APPENDIX B

Air Quality and GHG Emissions Calculations

EXISTING CONDITIONS -2013

Annual, Summer, and Winter Emissions

Orange Coast College Existing Conditions 2013

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	944.39	1000sqft	21.68	944,394.00	0
Parking Lot	9,832.00	Space	88.49	3,932,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2013
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Vehicle Trips - Modified based on Traffic Impact Analysis

Area Coating - SCAQMD Rule 1113

Energy Use - Modified based on OCC Natural Gas Consumption and Electricity usage from 2011-2012

Water And Wastewater - Modified based on OCC water use from 2011-2012

Solid Waste - Modididfed based on OCC solid waste generation for the year 2012

Water Mitigation - Outdoor Irrigation Recycled Water

Operational Off-Road Equipment - modified

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	5.23	4.03
tblEnergyUse	LightingElect	0.88	0.00

tblEnergyUse	NT24E	2.72	2.55
tblEnergyUse	NT24NG	5.21	8.53
tblEnergyUse	T24E	6.10	5.73
tblEnergyUse	T24NG	10.65	17.45
tblProjectCharacteristics	OperationalYear	2014	2013
tblSolidWaste	SolidWasteGenerationRate	1,227.71	200.00
tblVehicleTrips	ST_TR	11.23	11.77
tblVehicleTrips	SU_TR	1.21	1.27
tblVehicleTrips	WD_TR	27.49	28.82
tblWater	IndoorWaterUseRate	46,321,415.80	52,808,052.00
tblWater	OutdoorWaterUseRate	72,451,445.23	30,392,736.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	18.8698	1.4300e-003	0.1455	1.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	0.2674	0.2674	8.3000e-004	0.0000	0.2848
Energy	0.1323	1.2027	1.0103	7.2200e-003		0.0914	0.0914		0.0914	0.0914	0.0000	4,636.1304	4,636.1304	0.1780	0.0556	4,657.1182
Mobile	15.6376	39.4165	178.5632	0.3309	24.1701	0.6519	24.8220	6.4563	0.5986	7.0549	0.0000	28,239.2547	28,239.2547	1.3674	0.0000	28,267.9707
Waste						0.0000	0.0000		0.0000	0.0000	40.5982	0.0000	40.5982	2.3993	0.0000	90.9832
Water						0.0000	0.0000		0.0000	0.0000	16.7536	293.4003	310.1539	1.7342	0.0434	360.0334
Total	**34.6397**	**40.6207**	**179.7190**	**0.3382**	**24.1701**	**0.7438**	**24.9139**	**6.4563**	**0.6905**	**7.1468**	**57.3518**	**33,169.0528**	**33,226.4046**	**5.6798**	**0.0991**	**33,376.3903**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	18.8698	1.4300e-003	0.1455	1.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	0.2674	0.2674	8.3000e-004	0.0000	0.2848
Energy	0.1323	1.2027	1.0103	7.2200e-003		0.0914	0.0914		0.0914	0.0914	0.0000	4,636.1304	4,636.1304	0.1780	0.0556	4,657.1182
Mobile	15.6376	39.4165	178.5632	0.3309	24.1701	0.6519	24.8220	6.4563	0.5986	7.0549	0.0000	28,239.2547	28,239.2547	1.3674	0.0000	28,267.9707
Waste						0.0000	0.0000		0.0000	0.0000	40.5982	0.0000	40.5982	2.3993	0.0000	90.9832
Water						0.0000	0.0000		0.0000	0.0000	16.7536	281.3718	298.1254	1.7334	0.0432	347.9311
Total	**34.6397**	**40.6207**	**179.7190**	**0.3382**	**24.1701**	**0.7438**	**24.9139**	**6.4563**	**0.6905**	**7.1468**	**57.3518**	**33,157.0243**	**33,214.3761**	**5.6789**	**0.0989**	**33,364.2880**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.04**	**0.04**	**0.02**	**0.18**	**0.04**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Mitigated	15.6376	39.4165	178.5632	0.3309	24.1701	0.6519	24.8220	6.4563	0.5986	7.0549	0.0000	28,239.2547	28,239.2547	1.3674	0.0000	28,267.9707
Unmitigated	15.6376	39.4165	178.5632	0.3309	24.1701	0.6519	24.8220	6.4563	0.5986	7.0549	0.0000	28,239.2547	28,239.2547	1.3674	0.0000	28,267.9707

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	27,217.44	11,115.52	1199.38	64,032,489	64,032,489
Parking Lot	0.00	0.00	0.00		
Total	27,217.44	11,115.52	1,199.38	64,032,489	64,032,489

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.512383	0.057481	0.191072	0.155009	0.040497	0.005877	0.014205	0.012561	0.001412	0.002127	0.004643	0.000518	0.002213

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,326.8304	3,326.8304	0.1529	0.0316	3,339.8500
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3,326.8304	3,326.8304	0.1529	0.0316	3,339.8500
NaturalGas Mitigated	0.1323	1.2027	1.0103	7.2200e-003		0.0914	0.0914		0.0914	0.0914	0.0000	1,309.3000	1,309.3000	0.0251	0.0240	1,317.2682
NaturalGas Unmitigated	0.1323	1.2027	1.0103	7.2200e-003		0.0914	0.0914		0.0914	0.0914	0.0000	1,309.3000	1,309.3000	0.0251	0.0240	1,317.2682

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	2.45354e+007	0.1323	1.2027	1.0103	7.2200e-003		0.0914	0.0914		0.0914	0.0914	0.0000	1,309.3000	1,309.3000	0.0251	0.0240	1,317.2682
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1323**	**1.2027**	**1.0103**	**7.2200e-003**		**0.0914**	**0.0914**		**0.0914**	**0.0914**	**0.0000**	**1,309.3000**	**1,309.3000**	**0.0251**	**0.0240**	**1,317.2682**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	2.45354e+007	0.1323	1.2027	1.0103	7.2200e-003		0.0914	0.0914		0.0914	0.0914	0.0000	1,309.3000	1,309.3000	0.0251	0.0240	1,317.2682
Total		**0.1323**	**1.2027**	**1.0103**	**7.2200e-003**		**0.0914**	**0.0914**		**0.0914**	**0.0914**	**0.0000**	**1,309.3000**	**1,309.3000**	**0.0251**	**0.0240**	**1,317.2682**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	1.16255e+007	3,326.8304	0.1529	0.0316	3,339.8500
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**3,326.8304**	**0.1529**	**0.0316**	**3,339.8500**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	1.16255e+007	3,326.8304	0.1529	0.0316	3,339.8500
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**3,326.8304**	**0.1529**	**0.0316**	**3,339.8500**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	18.8698	1.4300e-003	0.1455	1.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	0.2674	0.2674	8.3000e-004	0.0000	0.2848
Unmitigated	18.8698	1.4300e-003	0.1455	1.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	0.2674	0.2674	8.3000e-004	0.0000	0.2848

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.2310					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	17.6237					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0150	1.4300e-003	0.1455	1.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	0.2674	0.2674	8.3000e-004	0.0000	0.2848
Total	**18.8698**	**1.4300e-003**	**0.1455**	**1.0000e-005**		**5.4000e-004**	**5.4000e-004**		**5.4000e-004**	**5.4000e-004**	**0.0000**	**0.2674**	**0.2674**	**8.3000e-004**	**0.0000**	**0.2848**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.2310					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	17.6237					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Landscaping	0.0150	1.4300e-003	0.1455	1.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004	0.0000	0.2674	0.2674	8.3000e-004	0.0000	0.2848
Total	**18.8698**	**1.4300e-003**	**0.1455**	**1.0000e-005**		**5.4000e-004**	**5.4000e-004**		**5.4000e-004**	**5.4000e-004**	**0.0000**	**0.2674**	**0.2674**	**8.3000e-004**	**0.0000**	**0.2848**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	298.1254	1.7334	0.0432	347.9311
Unmitigated	310.1539	1.7342	0.0434	360.0334

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	52.8081 / 30.3927	310.1539	1.7342	0.0434	360.0334
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**310.1539**	**1.7342**	**0.0434**	**360.0334**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	52.8081 / 26.6094	298.1254	1.7334	0.0432	347.9311
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**298.1254**	**1.7334**	**0.0432**	**347.9311**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	40.5982	2.3993	0.0000	90.9832
Unmitigated	40.5982	2.3993	0.0000	90.9832

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	200	40.5982	2.3993	0.0000	90.9832
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**40.5982**	**2.3993**	**0.0000**	**90.9832**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	200	40.5982	2.3993	0.0000	90.9832
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**40.5982**	**2.3993**	**0.0000**	**90.9832**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Orange Coast College Existing Conditions 2013

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	944.39	1000sqft	21.68	944,394.00	0
Parking Lot	9,832.00	Space	88.49	3,932,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2013
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

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Water Mitigation - Outdoor Irrigation Recycled Water

Table Name	Column Name	Default Value	New Value
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tblEnergyUse	LightingElect	0.88	0.00
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tblEnergyUse	T24E	6.10	5.73
tblEnergyUse	T24NG	10.65	17.45
tblProjectCharacteristics	OperationalYear	2014	2013
tblSolidWaste	SolidWasteGenerationRate	1,227.71	200.00
tblVehicleTrips	ST_TR	11.23	11.77
tblVehicleTrips	SU_TR	1.21	1.27
tblVehicleTrips	WD_TR	27.49	28.82
tblWater	IndoorWaterUseRate	46,321,415.80	52,808,052.00
tblWater	OutdoorWaterUseRate	72,451,445.23	30,392,736.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	103.4342	0.0114	1.1640	8.0000e-005		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003		2.3584	2.3584	7.3100e-003		2.5119
Energy	0.7249	6.5902	5.5358	0.0395		0.5009	0.5009		0.5009	0.5009		7,908.2534	7,908.2534	0.1516	0.1450	7,956.3817
Mobile	109.9243	257.8843	1,259.4928	2.4163	173.5630	4.5895	178.1524	46.2957	4.2142	50.5099		227,227.8550	227,227.8550	10.6435		227,451.3685
Total	**214.0833**	**264.4859**	**1,266.1926**	**2.4559**	**173.5630**	**5.0946**	**178.6576**	**46.2957**	**4.7194**	**51.0150**		**235,138.4668**	**235,138.4668**	**10.8024**	**0.1450**	**235,410.2620**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	103.4342	0.0114	1.1640	8.0000e-005		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003		2.3584	2.3584	7.3100e-003		2.5119
Energy	0.7249	6.5902	5.5358	0.0395		0.5009	0.5009		0.5009	0.5009		7,908.2534	7,908.2534	0.1516	0.1450	7,956.3817
Mobile	109.9243	257.8843	1,259.4928	2.4163	173.5630	4.5895	178.1524	46.2957	4.2142	50.5099		227,227.8550	227,227.8550	10.6435		227,451.3685
Total	**214.0833**	**264.4859**	**1,266.1926**	**2.4559**	**173.5630**	**5.0946**	**178.6576**	**46.2957**	**4.7194**	**51.0150**		**235,138.4668**	**235,138.4668**	**10.8024**	**0.1450**	**235,410.2620**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	109.9243	257.8843	1,259.4928	2.4163	173.5630	4.5895	178.1524	46.2957	4.2142	50.5099		227,227.8550	227,227.8550	10.6435		227,451.3685
Unmitigated	109.9243	257.8843	1,259.4928	2.4163	173.5630	4.5895	178.1524	46.2957	4.2142	50.5099		227,227.8550	227,227.8550	10.6435		227,451.3685

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	27,217.44	11,115.52	1199.38	64,032,489	64,032,489
Parking Lot	0.00	0.00	0.00		
Total	27,217.44	11,115.52	1,199.38	64,032,489	64,032,489

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.512383	0.057481	0.191072	0.155009	0.040497	0.005877	0.014205	0.012561	0.001412	0.002127	0.004643	0.000518	0.002213

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.7249	6.5902	5.5358	0.0395		0.5009	0.5009		0.5009	0.5009		7,908.2534	7,908.2534	0.1516	0.1450	7,956.3817
NaturalGas Unmitigated	0.7249	6.5902	5.5358	0.0395		0.5009	0.5009		0.5009	0.5009		7,908.2534	7,908.2534	0.1516	0.1450	7,956.3817

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	67220.2	0.7249	6.5902	5.5358	0.0395		0.5009	0.5009		0.5009	0.5009		7,908.2534	7,908.2534	0.1516	0.1450	7,956.3817
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.7249**	**6.5902**	**5.5358**	**0.0395**		**0.5009**	**0.5009**		**0.5009**	**0.5009**		**7,908.2534**	**7,908.2534**	**0.1516**	**0.1450**	**7,956.3817**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	67.2202	0.7249	6.5902	5.5358	0.0395		0.5009	0.5009		0.5009	0.5009		7,908.2534	7,908.2534	0.1516	0.1450	7,956.3817
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.7249**	**6.5902**	**5.5358**	**0.0395**		**0.5009**	**0.5009**		**0.5009**	**0.5009**		**7,908.2534**	**7,908.2534**	**0.1516**	**0.1450**	**7,956.3817**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	103.4342	0.0114	1.1640	8.0000e-005		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003		2.3584	2.3584	7.3100e-003		2.5119
Unmitigated	103.4342	0.0114	1.1640	8.0000e-005		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003		2.3584	2.3584	7.3100e-003		2.5119

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.7454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	96.5684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.1203	0.0114	1.1640	8.0000e-005		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003		2.3584	2.3584	7.3100e-003		2.5119
Total	**103.4341**	**0.0114**	**1.1640**	**8.0000e-005**		**4.2800e-003**	**4.2800e-003**		**4.2800e-003**	**4.2800e-003**		**2.3584**	**2.3584**	**7.3100e-003**		**2.5119**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.7454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	96.5684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	0.1203	0.0114	1.1640	8.0000e-005		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003		2.3584	2.3584	7.3100e-003		2.5119
Total	**103.4341**	**0.0114**	**1.1640**	**8.0000e-005**		**4.2800e-003**	**4.2800e-003**		**4.2800e-003**	**4.2800e-003**		**2.3584**	**2.3584**	**7.3100e-003**		**2.5119**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Orange Coast College Existing Conditions 2013

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	944.39	1000sqft	21.68	944,394.00	0
Parking Lot	9,832.00	Space	88.49	3,932,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2013
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Vehicle Trips - Modified based on Traffic Impact Analysis

Area Coating - SCAQMD Rule 1113

Energy Use - Modified based on OCC Natural Gas Consumption and Electricity usage from 2011-2012

Water And Wastewater - Modified based on OCC water use from 2011-2012

Solid Waste - Modididfed based on OCC solid waste generation for the year 2012

Water Mitigation - Outdoor Irrigation Recycled Water

Operational Off-Road Equipment - modified

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	5.23	4.03
tblEnergyUse	LightingElect	0.88	0.00

tblEnergyUse	NT24E	2.72	2.55
tblEnergyUse	NT24NG	5.21	8.53
tblEnergyUse	T24E	6.10	5.73
tblEnergyUse	T24NG	10.65	17.45
tblProjectCharacteristics	OperationalYear	2014	2013
tblSolidWaste	SolidWasteGenerationRate	1,227.71	200.00
tblVehicleTrips	ST_TR	11.23	11.77
tblVehicleTrips	SU_TR	1.21	1.27
tblVehicleTrips	WD_TR	27.49	28.82
tblWater	IndoorWaterUseRate	46,321,415.80	52,808,052.00
tblWater	OutdoorWaterUseRate	72,451,445.23	30,392,736.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	103.4342	0.0114	1.1640	8.0000e-005		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003		2.3584	2.3584	7.3100e-003		2.5119
Energy	0.7249	6.5902	5.5358	0.0395		0.5009	0.5009		0.5009	0.5009		7,908.2534	7,908.2534	0.1516	0.1450	7,956.3817
Mobile	117.1434	272.7632	1,251.8364	2.3071	173.5630	4.6235	178.1865	46.2957	4.2456	50.5412		217,053.0870	217,053.0870	10.6480		217,276.6938
Total	**221.3025**	**279.3648**	**1,258.5361**	**2.3467**	**173.5630**	**5.1287**	**178.6916**	**46.2957**	**4.7507**	**51.0463**		**224,963.6988**	**224,963.6988**	**10.8068**	**0.1450**	**225,235.5874**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	103.4342	0.0114	1.1640	8.0000e-005		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003		2.3584	2.3584	7.3100e-003		2.5119
Energy	0.7249	6.5902	5.5358	0.0395		0.5009	0.5009		0.5009	0.5009		7,908.2534	7,908.2534	0.1516	0.1450	7,956.3817
Mobile	117.1434	272.7632	1,251.8364	2.3071	173.5630	4.6235	178.1865	46.2957	4.2456	50.5412		217,053.0870	217,053.0870	10.6480		217,276.6938
Total	**221.3025**	**279.3648**	**1,258.5361**	**2.3467**	**173.5630**	**5.1287**	**178.6916**	**46.2957**	**4.7507**	**51.0463**		**224,963.6988**	**224,963.6988**	**10.8068**	**0.1450**	**225,235.5874**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	117.1434	272.7632	1,251.8364	2.3071	173.5630	4.6235	178.1865	46.2957	4.2456	50.5412		217,053.0870	217,053.0870	10.6480		217,276.6938
Unmitigated	117.1434	272.7632	1,251.8364	2.3071	173.5630	4.6235	178.1865	46.2957	4.2456	50.5412		217,053.0870	217,053.0870	10.6480		217,276.6938

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	27,217.44	11,115.52	1199.38	64,032,489	64,032,489
Parking Lot	0.00	0.00	0.00		
Total	27,217.44	11,115.52	1,199.38	64,032,489	64,032,489

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.512383	0.057481	0.191072	0.155009	0.040497	0.005877	0.014205	0.012561	0.001412	0.002127	0.004643	0.000518	0.002213

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.7249	6.5902	5.5358	0.0395		0.5009	0.5009		0.5009	0.5009		7,908.2534	7,908.2534	0.1516	0.1450	7,956.3817
NaturalGas Unmitigated	0.7249	6.5902	5.5358	0.0395		0.5009	0.5009		0.5009	0.5009		7,908.2534	7,908.2534	0.1516	0.1450	7,956.3817

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	67220.2	0.7249	6.5902	5.5358	0.0395		0.5009	0.5009		0.5009	0.5009		7,908.2534	7,908.2534	0.1516	0.1450	7,956.3817
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.7249**	**6.5902**	**5.5358**	**0.0395**		**0.5009**	**0.5009**		**0.5009**	**0.5009**		**7,908.2534**	**7,908.2534**	**0.1516**	**0.1450**	**7,956.3817**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	67.2202	0.7249	6.5902	5.5358	0.0395		0.5009	0.5009		0.5009	0.5009		7,908.2534	7,908.2534	0.1516	0.1450	7,956.3817
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.7249**	**6.5902**	**5.5358**	**0.0395**		**0.5009**	**0.5009**		**0.5009**	**0.5009**		**7,908.2534**	**7,908.2534**	**0.1516**	**0.1450**	**7,956.3817**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Mitigated	103.4342	0.0114	1.1640	8.0000e-005		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003		2.3584	2.3584	7.3100e-003		2.5119
Unmitigated	103.4342	0.0114	1.1640	8.0000e-005		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003		2.3584	2.3584	7.3100e-003		2.5119

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.7454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	96.5684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.1203	0.0114	1.1640	8.0000e-005		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003		2.3584	2.3584	7.3100e-003		2.5119
Total	**103.4341**	**0.0114**	**1.1640**	**8.0000e-005**		**4.2800e-003**	**4.2800e-003**		**4.2800e-003**	**4.2800e-003**		**2.3584**	**2.3584**	**7.3100e-003**		**2.5119**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.7454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	96.5684					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.1203	0.0114	1.1640	8.0000e-005		4.2800e-003	4.2800e-003		4.2800e-003	4.2800e-003		2.3584	2.3584	7.3100e-003		2.5119

Total	**103.4341**	**0.0114**	**1.1640**	**8.0000e-005**		**4.2800e-003**	**4.2800e-003**		**4.2800e-003**	**4.2800e-003**		**2.3584**	**2.3584**	**7.3100e-003**		**2.5119**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

PROPOSED PROJECT CONSTRUCTION

Annual, Summer, and Winter Emissions

Phase 3 - Chemistry Building

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	43.92	1000sqft	0.39	43,916.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Chemistry Building will be multiple stories

Construction Phase - modified

Off-road Equipment - modified

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value

tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblLandUse	LotAcreage	1.01	0.39
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblProjectCharacteristics	OperationalYear	2014	2022

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0410	0.3962	0.3769	6.6000e-004	0.0233	0.0226	0.0458	4.9800e-003	0.0209	0.0258	0.0000	55.6409	55.6409	0.0131	0.0000	55.9150
2021	0.2211	0.1668	0.1737	3.1000e-004	4.8200e-003	9.0400e-003	0.0139	1.2900e-003	8.3500e-003	9.6400e-003	0.0000	25.7047	25.7047	6.5000e-003	0.0000	25.8412
Total	**0.2621**	**0.5630**	**0.5506**	**9.7000e-004**	**0.0281**	**0.0316**	**0.0597**	**6.2700e-003**	**0.0292**	**0.0355**	**0.0000**	**81.3456**	**81.3456**	**0.0196**	**0.0000**	**81.7562**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					

2020	0.0410	0.3962	0.3769	6.6000e-004	0.0151	0.0226	0.0377	3.5700e-003	0.0209	0.0244	0.0000	55.6409	55.6409	0.0131	0.0000	55.9149
2021	0.2211	0.1668	0.1737	3.1000e-004	4.8200e-003	9.0400e-003	0.0139	1.2900e-003	8.3500e-003	9.6400e-003	0.0000	25.7046	25.7046	6.5000e-003	0.0000	25.8412
Total	**0.2621**	**0.5630**	**0.5506**	**9.7000e-004**	**0.0199**	**0.0316**	**0.0515**	**4.8600e-003**	**0.0292**	**0.0341**	**0.0000**	**81.3455**	**81.3455**	**0.0196**	**0.0000**	**81.7561**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**28.96**	**0.00**	**13.62**	**22.49**	**0.00**	**3.95**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2096	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1500e-003
Energy	3.7600e-003	0.0341	0.0287	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	213.7389	213.7389	8.8300e-003	2.3600e-003	214.6562
Mobile	0.3979	0.8550	4.2199	0.0149	1.0733	0.0150	1.0883	0.2868	0.0139	0.3007	0.0000	1,006.6175	1,006.6175	0.0347	0.0000	1,007.3465
Waste						0.0000	0.0000		0.0000	0.0000	11.5908	0.0000	11.5908	0.6850	0.0000	25.9757
Water						0.0000	0.0000		0.0000	0.0000	0.6834	18.7396	19.4230	0.0711	1.8400e-003	21.4843
Total	**0.6113**	**0.8891**	**4.2491**	**0.0151**	**1.0733**	**0.0176**	**1.0909**	**0.2868**	**0.0165**	**0.3033**	**12.2742**	**1,239.0971**	**1,251.3713**	**0.7996**	**4.2000e-003**	**1,269.4638**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Area	0.2096	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1500e-003
Energy	3.7600e-003	0.0341	0.0287	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	213.7389	213.7389	8.8300e-003	2.3600e-003	214.6562
Mobile	0.3979	0.8550	4.2199	0.0149	1.0733	0.0150	1.0883	0.2868	0.0139	0.3007	0.0000	1,006.6175	1,006.6175	0.0347	0.0000	1,007.3465
Waste						0.0000	0.0000		0.0000	0.0000	11.5908	0.0000	11.5908	0.6850	0.0000	25.9757
Water						0.0000	0.0000		0.0000	0.0000	0.6834	18.7396	19.4230	0.0710	1.8300e-003	21.4832
Total	**0.6113**	**0.8891**	**4.2491**	**0.0151**	**1.0733**	**0.0176**	**1.0909**	**0.2868**	**0.0165**	**0.3033**	**12.2742**	**1,239.0971**	**1,251.3713**	**0.7996**	**4.1900e-003**	**1,269.4627**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.24**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/14/2020	5	10	
2	Site Preparation	Site Preparation	9/15/2020	9/15/2020	5	1	
3	Grading	Grading	9/16/2020	9/17/2020	5	2	
4	Trenching	Trenching	9/18/2020	10/1/2020	5	10	
5	Building Construction	Building Construction	10/2/2020	2/18/2021	5	100	
6	Paving	Paving	2/19/2021	2/25/2021	5	5	
7	Architectural Coating	Architectural Coating	2/26/2021	3/4/2021	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 65,874; Non-Residential Outdoor: 21,958 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Trenchers	1	8.00	80	0.50
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	114.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	18.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0123	0.0000	0.0123	1.8600e-003	0.0000	1.8600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2600e-003	0.0386	0.0405	6.0000e-005		2.2800e-003	2.2800e-003		2.1800e-003	2.1800e-003	0.0000	5.2240	5.2240	9.9000e-004	0.0000	5.2448
Total	**4.2600e-003**	**0.0386**	**0.0405**	**6.0000e-005**	**0.0123**	**2.2800e-003**	**0.0146**	**1.8600e-003**	**2.1800e-003**	**4.0400e-003**	**0.0000**	**5.2240**	**5.2240**	**9.9000e-004**	**0.0000**	**5.2448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.1000e-004	0.0118	0.0111	4.0000e-005	9.8000e-004	2.1000e-004	1.1900e-003	2.7000e-004	1.9000e-004	4.6000e-004	0.0000	3.5683	3.5683	3.0000e-005	0.0000	3.5689
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	1.2000e-004	1.8000e-004	1.9200e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4257	0.4257	2.0000e-005	0.0000	0.4261
Total	**1.0300e-003**	**0.0120**	**0.0131**	**5.0000e-005**	**1.5300e-003**	**2.1000e-004**	**1.7400e-003**	**4.2000e-004**	**1.9000e-004**	**6.1000e-004**	**0.0000**	**3.9941**	**3.9941**	**5.0000e-005**	**0.0000**	**3.9951**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8000e-003	0.0000	4.8000e-003	7.3000e-004	0.0000	7.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2600e-003	0.0386	0.0405	6.0000e-005		2.2800e-003	2.2800e-003		2.1800e-003	2.1800e-003	0.0000	5.2240	5.2240	9.9000e-004	0.0000	5.2448
Total	**4.2600e-003**	**0.0386**	**0.0405**	**6.0000e-005**	**4.8000e-003**	**2.2800e-003**	**7.0800e-003**	**7.3000e-004**	**2.1800e-003**	**2.9100e-003**	**0.0000**	**5.2240**	**5.2240**	**9.9000e-004**	**0.0000**	**5.2448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.1000e-004	0.0118	0.0111	4.0000e-005	9.8000e-004	2.1000e-004	1.1900e-003	2.7000e-004	1.9000e-004	4.6000e-004	0.0000	3.5683	3.5683	3.0000e-005	0.0000	3.5689
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.8000e-004	1.9200e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4257	0.4257	2.0000e-005	0.0000	0.4261
Total	**1.0300e-003**	**0.0120**	**0.0131**	**5.0000e-005**	**1.5300e-003**	**2.1000e-004**	**1.7400e-003**	**4.2000e-004**	**1.9000e-004**	**6.1000e-004**	**0.0000**	**3.9941**	**3.9941**	**5.0000e-005**	**0.0000**	**3.9951**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	4.5300e-003	3.4200e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120
Total	**4.6000e-004**	**4.5300e-003**	**3.4200e-003**	**0.0000**	**2.7000e-004**	**2.6000e-004**	**5.3000e-004**	**3.0000e-005**	**2.4000e-004**	**2.7000e-004**	**0.0000**	**0.4093**	**0.4093**	**1.3000e-004**	**0.0000**	**0.4120**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0213	0.0213	0.0000	0.0000	0.0213
Total	**1.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0213**	**0.0213**	**0.0000**	**0.0000**	**0.0213**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	4.5300e-003	3.4200e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120
Total	**4.6000e-004**	**4.5300e-003**	**3.4200e-003**	**0.0000**	**1.0000e-004**	**2.6000e-004**	**3.6000e-004**	**1.0000e-005**	**2.4000e-004**	**2.5000e-004**	**0.0000**	**0.4093**	**0.4093**	**1.3000e-004**	**0.0000**	**0.4120**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0213	0.0213	0.0000	0.0000	0.0213
Total	**1.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0213**	**0.0213**	**0.0000**	**0.0000**	**0.0213**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	7.7200e-003	8.1000e-003	1.0000e-005		4.6000e-004	4.6000e-004		4.4000e-004	4.4000e-004	0.0000	1.0448	1.0448	2.0000e-004	0.0000	1.0490
Total	**8.5000e-004**	**7.7200e-003**	**8.1000e-003**	**1.0000e-005**	**7.5000e-004**	**4.6000e-004**	**1.2100e-003**	**4.1000e-004**	**4.4000e-004**	**8.5000e-004**	**0.0000**	**1.0448**	**1.0448**	**2.0000e-004**	**0.0000**	**1.0490**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	4.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0852	0.0852	0.0000	0.0000	0.0852
Total	**2.0000e-005**	**4.0000e-005**	**3.8000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0852**	**0.0852**	**0.0000**	**0.0000**	**0.0852**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.9000e-004	0.0000	2.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	7.7200e-003	8.1000e-003	1.0000e-005		4.6000e-004	4.6000e-004		4.4000e-004	4.4000e-004	0.0000	1.0448	1.0448	2.0000e-004	0.0000	1.0490
Total	**8.5000e-004**	**7.7200e-003**	**8.1000e-003**	**1.0000e-005**	**2.9000e-004**	**4.6000e-004**	**7.5000e-004**	**1.6000e-004**	**4.4000e-004**	**6.0000e-004**	**0.0000**	**1.0448**	**1.0448**	**2.0000e-004**	**0.0000**	**1.0490**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	4.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0852	0.0852	0.0000	0.0000	0.0852
Total	**2.0000e-005**	**4.0000e-005**	**3.8000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0852**	**0.0852**	**0.0000**	**0.0000**	**0.0852**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4100e-003	0.0313	0.0260	4.0000e-005		2.1800e-003	2.1800e-003		2.0100e-003	2.0100e-003	0.0000	3.0431	3.0431	9.5000e-004	0.0000	3.0631
Total	**3.4100e-003**	**0.0313**	**0.0260**	**4.0000e-005**		**2.1800e-003**	**2.1800e-003**		**2.0100e-003**	**2.0100e-003**	**0.0000**	**3.0431**	**3.0431**	**9.5000e-004**	**0.0000**	**3.0631**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	1.5000e-004	1.5300e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3406	0.3406	2.0000e-005	0.0000	0.3409

Total	**1.0000e-004**	**1.5000e-004**	**1.5300e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3406**	**0.3406**	**2.0000e-005**	**0.0000**	**0.3409**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4100e-003	0.0313	0.0260	4.0000e-005		2.1800e-003	2.1800e-003		2.0100e-003	2.0100e-003	0.0000	3.0431	3.0431	9.5000e-004	0.0000	3.0631
Total	**3.4100e-003**	**0.0313**	**0.0260**	**4.0000e-005**		**2.1800e-003**	**2.1800e-003**		**2.0100e-003**	**2.0100e-003**	**0.0000**	**3.0431**	**3.0431**	**9.5000e-004**	**0.0000**	**3.0631**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	1.5000e-004	1.5300e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3406	0.3406	2.0000e-005	0.0000	0.3409
Total	**1.0000e-004**	**1.5000e-004**	**1.5300e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3406**	**0.3406**	**2.0000e-005**	**0.0000**	**0.3409**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0279	0.2858	0.2394	3.7000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	32.3414	32.3414	0.0105	0.0000	32.5610
Total	**0.0279**	**0.2858**	**0.2394**	**3.7000e-004**		**0.0169**	**0.0169**		**0.0156**	**0.0156**	**0.0000**	**32.3414**	**32.3414**	**0.0105**	**0.0000**	**32.5610**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5700e-003	0.0139	0.0220	5.0000e-005	1.4000e-003	2.2000e-004	1.6300e-003	4.0000e-004	2.1000e-004	6.1000e-004	0.0000	4.1562	4.1562	3.0000e-005	0.0000	4.1568
Worker	1.4600e-003	2.1200e-003	0.0224	8.0000e-005	6.4200e-003	4.0000e-005	6.4700e-003	1.7100e-003	4.0000e-005	1.7500e-003	0.0000	4.9811	4.9811	2.2000e-004	0.0000	4.9858
Total	**3.0300e-003**	**0.0160**	**0.0445**	**1.3000e-004**	**7.8200e-003**	**2.6000e-004**	**8.1000e-003**	**2.1100e-003**	**2.5000e-004**	**2.3600e-003**	**0.0000**	**9.1372**	**9.1372**	**2.5000e-004**	**0.0000**	**9.1426**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0279	0.2858	0.2394	3.7000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	32.3413	32.3413	0.0105	0.0000	32.5610
Total	**0.0279**	**0.2858**	**0.2394**	**3.7000e-004**		**0.0169**	**0.0169**		**0.0156**	**0.0156**	**0.0000**	**32.3413**	**32.3413**	**0.0105**	**0.0000**	**32.5610**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5700e-003	0.0139	0.0220	5.0000e-005	1.4000e-003	2.2000e-004	1.6300e-003	4.0000e-004	2.1000e-004	6.1000e-004	0.0000	4.1562	4.1562	3.0000e-005	0.0000	4.1568
Worker	1.4600e-003	2.1200e-003	0.0224	8.0000e-005	6.4200e-003	4.0000e-005	6.4700e-003	1.7100e-003	4.0000e-005	1.7500e-003	0.0000	4.9811	4.9811	2.2000e-004	0.0000	4.9858
Total	**3.0300e-003**	**0.0160**	**0.0445**	**1.3000e-004**	**7.8200e-003**	**2.6000e-004**	**8.1000e-003**	**2.1100e-003**	**2.5000e-004**	**2.3600e-003**	**0.0000**	**9.1372**	**9.1372**	**2.5000e-004**	**0.0000**	**9.1426**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0135	0.1388	0.1267	2.0000e-004		7.7900e-003	7.7900e-003		7.1700e-003	7.1700e-003	0.0000	17.4184	17.4184	5.6300e-003	0.0000	17.5367
Total	**0.0135**	**0.1388**	**0.1267**	**2.0000e-004**		**7.7900e-003**	**7.7900e-003**		**7.1700e-003**	**7.1700e-003**	**0.0000**	**17.4184**	**17.4184**	**5.6300e-003**	**0.0000**	**17.5367**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2000e-004	6.3300e-003	0.0116	3.0000e-005	7.5000e-004	1.1000e-004	8.6000e-004	2.2000e-004	1.0000e-004	3.2000e-004	0.0000	2.2361	2.2361	2.0000e-005	0.0000	2.2364
Worker	7.5000e-004	1.0700e-003	0.0114	4.0000e-005	3.4600e-003	2.0000e-005	3.4800e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.6379	2.6379	1.2000e-004	0.0000	2.6404
Total	**1.5700e-003**	**7.4000e-003**	**0.0230**	**7.0000e-005**	**4.2100e-003**	**1.3000e-004**	**4.3400e-003**	**1.1400e-003**	**1.2000e-004**	**1.2600e-003**	**0.0000**	**4.8740**	**4.8740**	**1.4000e-004**	**0.0000**	**4.8768**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0135	0.1388	0.1267	2.0000e-004		7.7900e-003	7.7900e-003		7.1700e-003	7.1700e-003	0.0000	17.4183	17.4183	5.6300e-003	0.0000	17.5366
Total	**0.0135**	**0.1388**	**0.1267**	**2.0000e-004**		**7.7900e-003**	**7.7900e-003**		**7.1700e-003**	**7.1700e-003**	**0.0000**	**17.4183**	**17.4183**	**5.6300e-003**	**0.0000**	**17.5366**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2000e-004	6.3300e-003	0.0116	3.0000e-005	7.5000e-004	1.1000e-004	8.6000e-004	2.2000e-004	1.0000e-004	3.2000e-004	0.0000	2.2361	2.2361	2.0000e-005	0.0000	2.2364
Worker	7.5000e-004	1.0700e-003	0.0114	4.0000e-005	3.4600e-003	2.0000e-005	3.4800e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.6379	2.6379	1.2000e-004	0.0000	2.6404
Total	**1.5700e-003**	**7.4000e-003**	**0.0230**	**7.0000e-005**	**4.2100e-003**	**1.3000e-004**	**4.3400e-003**	**1.1400e-003**	**1.2000e-004**	**1.2600e-003**	**0.0000**	**4.8740**	**4.8740**	**1.4000e-004**	**0.0000**	**4.8768**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7800e-003	0.0166	0.0175	3.0000e-005		8.7000e-004	8.7000e-004		8.1000e-004	8.1000e-004	0.0000	2.3134	2.3134	6.7000e-004	0.0000	2.3275
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.7800e-003**	**0.0166**	**0.0175**	**3.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.1000e-004**	**8.1000e-004**	**0.0000**	**2.3134**	**2.3134**	**6.7000e-004**	**0.0000**	**2.3275**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.6300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3769	0.3769	2.0000e-005	0.0000	0.3772

Total	**1.1000e-004**	**1.5000e-004**	**1.6300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3769**	**0.3769**	**2.0000e-005**	**0.0000**	**0.3772**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7800e-003	0.0166	0.0175	3.0000e-005		8.7000e-004	8.7000e-004		8.1000e-004	8.1000e-004	0.0000	2.3134	2.3134	6.7000e-004	0.0000	2.3275
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.7800e-003**	**0.0166**	**0.0175**	**3.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.1000e-004**	**8.1000e-004**	**0.0000**	**2.3134**	**2.3134**	**6.7000e-004**	**0.0000**	**2.3275**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.6300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3769	0.3769	2.0000e-005	0.0000	0.3772
Total	**1.1000e-004**	**1.5000e-004**	**1.6300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3769**	**0.3769**	**2.0000e-005**	**0.0000**	**0.3772**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2036					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6392
Total	**0.2041**	**3.8200e-003**	**4.5400e-003**	**1.0000e-005**		**2.4000e-004**	**2.4000e-004**		**2.4000e-004**	**2.4000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6392**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	3.6000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0837	0.0837	0.0000	0.0000	0.0838
Total	**2.0000e-005**	**3.0000e-005**	**3.6000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0837**	**0.0837**	**0.0000**	**0.0000**	**0.0838**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Archit. Coating	0.2036					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6392
Total	**0.2041**	**3.8200e-003**	**4.5400e-003**	**1.0000e-005**		**2.4000e-004**	**2.4000e-004**		**2.4000e-004**	**2.4000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6392**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	3.6000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0837	0.0837	0.0000	0.0000	0.0838
Total	**2.0000e-005**	**3.0000e-005**	**3.6000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0837**	**0.0837**	**0.0000**	**0.0000**	**0.0838**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3979	0.8550	4.2199	0.0149	1.0733	0.0150	1.0883	0.2868	0.0139	0.3007	0.0000	1,006.6175	1,006.6175	0.0347	0.0000	1,007.3465
Unmitigated	0.3979	0.8550	4.2199	0.0149	1.0733	0.0150	1.0883	0.2868	0.0139	0.3007	0.0000	1,006.6175	1,006.6175	0.0347	0.0000	1,007.3465

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,207.25	493.18	53.14	2,840,245	2,840,245
Total	1,207.25	493.18	53.14	2,840,245	2,840,245

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	176.5706	176.5706	8.1200e-003	1.6800e-003	177.2617
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	176.5706	176.5706	8.1200e-003	1.6800e-003	177.2617
NaturalGas Mitigated	3.7600e-003	0.0341	0.0287	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	37.1683	37.1683	7.1000e-004	6.8000e-004	37.3945

NaturalGas Unmitigated	3.7600e-003	0.0341	0.0287	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	37.1683	37.1683	7.1000e-004	6.8000e-004	37.3945

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	696508	3.7600e-003	0.0341	0.0287	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	37.1683	37.1683	7.1000e-004	6.8000e-004	37.3945
Total		**3.7600e-003**	**0.0341**	**0.0287**	**2.0000e-004**		**2.5900e-003**	**2.5900e-003**		**2.5900e-003**	**2.5900e-003**	**0.0000**	**37.1683**	**37.1683**	**7.1000e-004**	**6.8000e-004**	**37.3945**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	696508	3.7600e-003	0.0341	0.0287	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	37.1683	37.1683	7.1000e-004	6.8000e-004	37.3945
Total		**3.7600e-003**	**0.0341**	**0.0287**	**2.0000e-004**		**2.5900e-003**	**2.5900e-003**		**2.5900e-003**	**2.5900e-003**	**0.0000**	**37.1683**	**37.1683**	**7.1000e-004**	**6.8000e-004**	**37.3945**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	617020	176.5706	8.1200e-003	1.6800e-003	177.2617
Total		**176.5706**	**8.1200e-003**	**1.6800e-003**	**177.2617**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	617020	176.5706	8.1200e-003	1.6800e-003	177.2617
Total		**176.5706**	**8.1200e-003**	**1.6800e-003**	**177.2617**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Mitigated	0.2096	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1500e-003
Unmitigated	0.2096	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1500e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0509					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1587					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1500e-003
Total	**0.2096**	**1.0000e-005**	**5.6000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.0900e-003**	**1.0900e-003**	**0.0000**	**0.0000**	**1.1500e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0509					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1587					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1500e-003

Total	**0.2096**	**1.0000e-005**	**5.6000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.0900e-003**	**1.0900e-003**	**0.0000**	**0.0000**	**1.1500e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	19.4230	0.0710	1.8300e-003	21.4832
Unmitigated	19.4230	0.0711	1.8400e-003	21.4843

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.15423 / 3.36944	19.4230	0.0711	1.8400e-003	21.4843
Total		**19.4230**	**0.0711**	**1.8400e-003**	**21.4843**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.15423 / 3.36944	19.4230	0.0710	1.8300e-003	21.4832
Total		**19.4230**	**0.0710**	**1.8300e-003**	**21.4832**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	11.5908	0.6850	0.0000	25.9757
Unmitigated	11.5908	0.6850	0.0000	25.9757

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr			
Junior College (2Yr)	57.1	11.5908	0.6850	0.0000	25.9757
Total		**11.5908**	**0.6850**	**0.0000**	**25.9757**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	57.1	11.5908	0.6850	0.0000	25.9757
Total		**11.5908**	**0.6850**	**0.0000**	**25.9757**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 3 - Chemistry Building

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	43.92	1000sqft	0.39	43,916.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Chemistry Building will be multiple stories

Construction Phase - modified

Off-road Equipment - modified

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value

tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblLandUse	LotAcreage	1.01	0.39
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblProjectCharacteristics	OperationalYear	2014	2022

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.0557	10.0019	10.4664	0.0218	2.7713	0.5282	3.2703	0.4567	0.4860	0.9315	0.0000	2,036.8206	2,036.8206	0.3634	0.0000	2,044.4511
2021	81.6489	8.3344	8.4837	0.0153	0.2450	0.4531	0.6980	0.0658	0.4168	0.4826	0.0000	1,411.3989	1,411.3989	0.3631	0.0000	1,419.0247
Total	**82.7046**	**18.3363**	**18.9500**	**0.0371**	**3.0163**	**0.9813**	**3.9683**	**0.5225**	**0.9028**	**1.4142**	**0.0000**	**3,448.2195**	**3,448.2195**	**0.7265**	**0.0000**	**3,463.4758**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2020	1.0557	10.0019	10.4664	0.0218	1.2702	0.5282	1.7691	0.2294	0.4860	0.7042	0.0000	2,036.8206	2,036.8206	0.3634	0.0000	2,044.4511
2021	81.6489	8.3344	8.4837	0.0153	0.2450	0.4531	0.6980	0.0658	0.4168	0.4826	0.0000	1,411.3989	1,411.3989	0.3631	0.0000	1,419.0247
Total	**82.7046**	**18.3363**	**18.9500**	**0.0371**	**1.5152**	**0.9813**	**2.4671**	**0.2952**	**0.9028**	**1.1869**	**0.0000**	**3,448.2195**	**3,448.2195**	**0.7265**	**0.0000**	**3,463.4758**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**49.77**	**0.00**	**37.83**	**43.50**	**0.00**	**16.07**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Energy	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Mobile	2.8237	5.6004	29.7587	0.1089	7.7073	0.1059	7.8131	2.0568	0.0978	2.1546		8,086.9416	8,086.9416	0.2701		8,092.6144
Total	**3.9930**	**5.7875**	**29.9204**	**0.1100**	**7.7073**	**0.1201**	**7.8274**	**2.0568**	**0.1120**	**2.1688**		**8,311.4501**	**8,311.4501**	**0.2745**	**4.1200e-003**	**8,318.4897**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101

Energy	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Mobile	2.8237	5.6004	29.7587	0.1089	7.7073	0.1059	7.8131	2.0568	0.0978	2.1546		8,086.9416	8,086.9416	0.2701		8,092.6144
Total	**3.9930**	**5.7875**	**29.9204**	**0.1100**	**7.7073**	**0.1201**	**7.8274**	**2.0568**	**0.1120**	**2.1688**		**8,311.4501**	**8,311.4501**	**0.2745**	**4.1200e-003**	**8,318.4897**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/14/2020	5	10	
2	Site Preparation	Site Preparation	9/15/2020	9/15/2020	5	1	
3	Grading	Grading	9/16/2020	9/17/2020	5	2	
4	Trenching	Trenching	9/18/2020	10/1/2020	5	10	
5	Building Construction	Building Construction	10/2/2020	2/18/2021	5	100	
6	Paving	Paving	2/19/2021	2/25/2021	5	5	
7	Architectural Coating	Architectural Coating	2/26/2021	3/4/2021	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 65,874; Non-Residential Outdoor: 21,958 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40

Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Trenchers	1	8.00	80	0.50
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	114.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	18.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4609	0.0000	2.4609	0.3726	0.0000	0.3726			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**2.4609**	**0.4561**	**2.9170**	**0.3726**	**0.4355**	**0.8081**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1775	2.2449	1.9662	8.3700e-003	0.1987	0.0421	0.2407	0.0544	0.0387	0.0931		787.4715	787.4715	6.1200e-003		787.6000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.2030**	**2.2771**	**2.3683**	**9.7300e-003**	**0.3105**	**0.0428**	**0.3533**	**0.0841**	**0.0394**	**0.1235**		**885.1196**	**885.1196**	**0.0103**		**885.3363**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9598	0.0000	0.9598	0.1453	0.0000	0.1453			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.9598**	**0.4561**	**1.4158**	**0.1453**	**0.4355**	**0.5808**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1775	2.2449	1.9662	8.3700e-003	0.1987	0.0421	0.2407	0.0544	0.0387	0.0931		787.4715	787.4715	6.1200e-003		787.6000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.2030**	**2.2771**	**2.3683**	**9.7300e-003**	**0.3105**	**0.0428**	**0.3533**	**0.0841**	**0.0394**	**0.1235**		**885.1196**	**885.1196**	**0.0103**		**885.3363**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796		902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.5303**	**0.5213**	**1.0516**	**0.0573**	**0.4796**	**0.5369**		**902.2494**	**902.2494**	**0.2918**		**908.3773**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0128	0.0161	0.2010	6.8000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		48.8240	48.8240	2.1000e-003		48.8681
Total	**0.0128**	**0.0161**	**0.2010**	**6.8000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**48.8240**	**48.8240**	**2.1000e-003**		**48.8681**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796	0.0000	902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.2068**	**0.5213**	**0.7281**	**0.0223**	**0.4796**	**0.5019**	**0.0000**	**902.2494**	**902.2494**	**0.2918**		**908.3773**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0128	0.0161	0.2010	6.8000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		48.8240	48.8240	2.1000e-003		48.8681
Total	**0.0128**	**0.0161**	**0.2010**	**6.8000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**48.8240**	**48.8240**	**2.1000e-003**		**48.8681**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.7528**	**0.4561**	**1.2089**	**0.4138**	**0.4355**	**0.8492**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.0255**	**0.0321**	**0.4020**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**97.6480**	**97.6480**	**4.2000e-003**		**97.7363**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.2936**	**0.4561**	**0.7497**	**0.1614**	**0.4355**	**0.5968**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363

Total	**0.0255**	**0.0321**	**0.4020**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**97.6480**	**97.6480**	**4.2000e-003**		**97.7363**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6814	6.2613	5.1984	7.0500e-003		0.4353	0.4353		0.4013	0.4013		670.8964	670.8964	0.2094		675.2940
Total	**0.6814**	**6.2613**	**5.1984**	**7.0500e-003**		**0.4353**	**0.4353**		**0.4013**	**0.4013**		**670.8964**	**670.8964**	**0.2094**		**675.2940**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0257	0.3216	1.0900e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		78.1184	78.1184	3.3600e-003		78.1890
Total	**0.0204**	**0.0257**	**0.3216**	**1.0900e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**78.1184**	**78.1184**	**3.3600e-003**		**78.1890**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6814	6.2613	5.1984	7.0500e-003		0.4353	0.4353		0.4013	0.4013	0.0000	670.8964	670.8964	0.2094		675.2940
Total	**0.6814**	**6.2613**	**5.1984**	**7.0500e-003**		**0.4353**	**0.4353**		**0.4013**	**0.4013**	**0.0000**	**670.8964**	**670.8964**	**0.2094**		**675.2940**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0257	0.3216	1.0900e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		78.1184	78.1184	3.3600e-003		78.1890
Total	**0.0204**	**0.0257**	**0.3216**	**1.0900e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**78.1184**	**78.1184**	**3.3600e-003**		**78.1890**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784		1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**		**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0459	0.4095	0.5726	1.5100e-003	0.0438	6.8800e-003	0.0506	0.0125	6.3300e-003	0.0188		141.4703	141.4703	1.0200e-003		141.4918
Worker	0.0459	0.0579	0.7237	2.4500e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		175.7665	175.7665	7.5600e-003		175.9253
Total	**0.0918**	**0.4674**	**1.2962**	**3.9600e-003**	**0.2450**	**8.2600e-003**	**0.2532**	**0.0658**	**7.6100e-003**	**0.0734**		**317.2367**	**317.2367**	**8.5800e-003**		**317.4171**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784	0.0000	1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**	**0.0000**	**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0459	0.4095	0.5726	1.5100e-003	0.0438	6.8800e-003	0.0506	0.0125	6.3300e-003	0.0188		141.4703	141.4703	1.0200e-003		141.4918
Worker	0.0459	0.0579	0.7237	2.4500e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		175.7665	175.7665	7.5600e-003		175.9253
Total	**0.0918**	**0.4674**	**1.2962**	**3.9600e-003**	**0.2450**	**8.2600e-003**	**0.2532**	**0.0658**	**7.6100e-003**	**0.0734**		**317.2367**	**317.2367**	**8.5800e-003**		**317.4171**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098		1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**		**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0444	0.3476	0.5577	1.5100e-003	0.0438	6.2500e-003	0.0500	0.0125	5.7500e-003	0.0182		141.3522	141.3522	1.0300e-003		141.3738
Worker	0.0437	0.0544	0.6838	2.4600e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		172.8779	172.8779	7.2600e-003		173.0302
Total	**0.0881**	**0.4019**	**1.2415**	**3.9700e-003**	**0.2450**	**7.6400e-003**	**0.2526**	**0.0658**	**7.0400e-003**	**0.0729**		**314.2301**	**314.2301**	**8.2900e-003**		**314.4041**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098	0.0000	1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**	**0.0000**	**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0444	0.3476	0.5577	1.5100e-003	0.0438	6.2500e-003	0.0500	0.0125	5.7500e-003	0.0182		141.3522	141.3522	1.0300e-003		141.3738
Worker	0.0437	0.0544	0.6838	2.4600e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		172.8779	172.8779	7.2600e-003		173.0302

Total	**0.0881**	**0.4019**	**1.2415**	**3.9700e-003**	**0.2450**	**7.6400e-003**	**0.2526**	**0.0658**	**7.0400e-003**	**0.0729**		**314.2301**	**314.2301**	**8.2900e-003**		**314.4041**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247		1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**		**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0544	0.6838	2.4600e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		172.8779	172.8779	7.2600e-003		173.0302
Total	**0.0437**	**0.0544**	**0.6838**	**2.4600e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**172.8779**	**172.8779**	**7.2600e-003**		**173.0302**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247	0.0000	1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**	**0.0000**	**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0544	0.6838	2.4600e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		172.8779	172.8779	7.2600e-003		173.0302
Total	**0.0437**	**0.0544**	**0.6838**	**2.4600e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**172.8779**	**172.8779**	**7.2600e-003**		**173.0302**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	81.4203					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	**81.6392**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.8537**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.7100e-003	0.0121	0.1520	5.5000e-004	0.0447	3.1000e-004	0.0450	0.0119	2.9000e-004	0.0121		38.4173	38.4173	1.6100e-003		38.4512
Total	**9.7100e-003**	**0.0121**	**0.1520**	**5.5000e-004**	**0.0447**	**3.1000e-004**	**0.0450**	**0.0119**	**2.9000e-004**	**0.0121**		**38.4173**	**38.4173**	**1.6100e-003**		**38.4512**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	81.4203					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	**81.6392**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.8537**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.7100e-003	0.0121	0.1520	5.5000e-004	0.0447	3.1000e-004	0.0450	0.0119	2.9000e-004	0.0121		38.4173	38.4173	1.6100e-003		38.4512
Total	**9.7100e-003**	**0.0121**	**0.1520**	**5.5000e-004**	**0.0447**	**3.1000e-004**	**0.0450**	**0.0119**	**2.9000e-004**	**0.0121**		**38.4173**	**38.4173**	**1.6100e-003**		**38.4512**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.8237	5.6004	29.7587	0.1089	7.7073	0.1059	7.8131	2.0568	0.0978	2.1546		8,086.9416	8,086.9416	0.2701		8,092.6144
Unmitigated	2.8237	5.6004	29.7587	0.1089	7.7073	0.1059	7.8131	2.0568	0.0978	2.1546		8,086.9416	8,086.9416	0.2701		8,092.6144

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Junior College (2Yr)	1,207.25	493.18	53.14	2,840,245	2,840,245
Total	1,207.25	493.18	53.14	2,840,245	2,840,245

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
NaturalGas Unmitigated	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1908.24	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Total		**0.0206**	**0.1871**	**0.1572**	**1.1200e-003**		**0.0142**	**0.0142**		**0.0142**	**0.0142**		**224.4989**	**224.4989**	**4.3000e-003**	**4.1200e-003**	**225.8651**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1.90824	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Total		**0.0206**	**0.1871**	**0.1572**	**1.1200e-003**		**0.0142**	**0.0142**		**0.0142**	**0.0142**		**224.4989**	**224.4989**	**4.3000e-003**	**4.1200e-003**	**225.8651**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101

Unmitigated	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2788					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.2000e-004	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Total	**1.1488**	**4.0000e-005**	**4.4900e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**9.6100e-003**	**9.6100e-003**	**3.0000e-005**		**0.0101**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2788					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.2000e-004	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Total	**1.1488**	**4.0000e-005**	**4.4900e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**9.6100e-003**	**9.6100e-003**	**3.0000e-005**		**0.0101**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 3 - Chemistry Building

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	43.92	1000sqft	0.39	43,916.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Chemistry Building will be multiple stories

Construction Phase - modified

Off-road Equipment - modified

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value

tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblLandUse	LotAcreage	1.01	0.39
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblProjectCharacteristics	OperationalYear	2014	2022

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.0653	10.0812	10.7829	0.0217	2.7713	0.5283	3.2704	0.4567	0.4860	0.9316	0.0000	2,029.7535	2,029.7535	0.3634	0.0000	2,037.3847
2021	81.6493	8.3472	8.5750	0.0152	0.2450	0.4531	0.6981	0.0658	0.4169	0.4827	0.0000	1,401.0025	1,401.0025	0.3632	0.0000	1,408.6291
Total	**82.7146**	**18.4284**	**19.3579**	**0.0368**	**3.0163**	**0.9814**	**3.9684**	**0.5225**	**0.9029**	**1.4143**	**0.0000**	**3,430.7560**	**3,430.7560**	**0.7266**	**0.0000**	**3,446.0138**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2020	1.0653	10.0812	10.7829	0.0217	1.2702	0.5283	1.7692	0.2294	0.4860	0.7043	0.0000	2,029.7534	2,029.7534	0.3634	0.0000	2,037.3847
2021	81.6493	8.3472	8.5750	0.0152	0.2450	0.4531	0.6981	0.0658	0.4169	0.4827	0.0000	1,401.0025	1,401.0025	0.3632	0.0000	1,408.6291
Total	**82.7146**	**18.4284**	**19.3579**	**0.0368**	**1.5152**	**0.9814**	**2.4673**	**0.2952**	**0.9029**	**1.1870**	**0.0000**	**3,430.7559**	**3,430.7559**	**0.7266**	**0.0000**	**3,446.0138**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**49.77**	**0.00**	**37.83**	**43.50**	**0.00**	**16.07**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Energy	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Mobile	2.9754	5.9168	29.6276	0.1040	7.7073	0.1062	7.8134	2.0568	0.0981	2.1548		7,740.8273	7,740.8273	0.2704		7,746.5050
Total	**4.1447**	**6.1039**	**29.7892**	**0.1051**	**7.7073**	**0.1204**	**7.8277**	**2.0568**	**0.1123**	**2.1691**		**7,965.3358**	**7,965.3358**	**0.2747**	**4.1200e-003**	**7,972.3803**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101

Energy	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Mobile	2.9754	5.9168	29.6276	0.1040	7.7073	0.1062	7.8134	2.0568	0.0981	2.1548		7,740.8273	7,740.8273	0.2704		7,746.5050
Total	**4.1447**	**6.1039**	**29.7892**	**0.1051**	**7.7073**	**0.1204**	**7.8277**	**2.0568**	**0.1123**	**2.1691**		**7,965.3358**	**7,965.3358**	**0.2747**	**4.1200e-003**	**7,972.3803**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/14/2020	5	10	
2	Site Preparation	Site Preparation	9/15/2020	9/15/2020	5	1	
3	Grading	Grading	9/16/2020	9/17/2020	5	2	
4	Trenching	Trenching	9/18/2020	10/1/2020	5	10	
5	Building Construction	Building Construction	10/2/2020	2/18/2021	5	100	
6	Paving	Paving	2/19/2021	2/25/2021	5	5	
7	Architectural Coating	Architectural Coating	2/26/2021	3/4/2021	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 65,874; Non-Residential Outdoor: 21,958 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40

Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Trenchers	1	8.00	80	0.50
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	114.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	18.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4609	0.0000	2.4609	0.3726	0.0000	0.3726			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**2.4609**	**0.4561**	**2.9170**	**0.3726**	**0.4355**	**0.8081**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1858	2.3210	2.3100	8.3600e-003	0.1987	0.0422	0.2408	0.0544	0.0388	0.0932		785.5936	785.5936	6.2100e-003		785.7240
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.2126**	**2.3563**	**2.6848**	**9.6500e-003**	**0.3105**	**0.0429**	**0.3534**	**0.0841**	**0.0395**	**0.1235**		**878.0524**	**878.0524**	**0.0104**		**878.2710**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9598	0.0000	0.9598	0.1453	0.0000	0.1453			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.9598**	**0.4561**	**1.4158**	**0.1453**	**0.4355**	**0.5808**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1858	2.3210	2.3100	8.3600e-003	0.1987	0.0422	0.2408	0.0544	0.0388	0.0932		785.5936	785.5936	6.2100e-003		785.7240
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.2126**	**2.3563**	**2.6848**	**9.6500e-003**	**0.3105**	**0.0429**	**0.3534**	**0.0841**	**0.0395**	**0.1235**		**878.0524**	**878.0524**	**0.0104**		**878.2710**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796		902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.5303**	**0.5213**	**1.0516**	**0.0573**	**0.4796**	**0.5369**		**902.2494**	**902.2494**	**0.2918**		**908.3773**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	0.0177	0.1874	6.4000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		46.2294	46.2294	2.1000e-003		46.2735
Total	**0.0134**	**0.0177**	**0.1874**	**6.4000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**46.2294**	**46.2294**	**2.1000e-003**		**46.2735**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796	0.0000	902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.2068**	**0.5213**	**0.7281**	**0.0223**	**0.4796**	**0.5019**	**0.0000**	**902.2494**	**902.2494**	**0.2918**		**908.3773**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	0.0177	0.1874	6.4000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		46.2294	46.2294	2.1000e-003		46.2735
Total	**0.0134**	**0.0177**	**0.1874**	**6.4000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**46.2294**	**46.2294**	**2.1000e-003**		**46.2735**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.7528**	**0.4561**	**1.2089**	**0.4138**	**0.4355**	**0.8492**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.0268**	**0.0353**	**0.3748**	**1.2900e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**92.4588**	**92.4588**	**4.2000e-003**		**92.5470**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.2936**	**0.4561**	**0.7497**	**0.1614**	**0.4355**	**0.5968**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470

Total	**0.0268**	**0.0353**	**0.3748**	**1.2900e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**92.4588**	**92.4588**	**4.2000e-003**		**92.5470**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6814	6.2613	5.1984	7.0500e-003		0.4353	0.4353		0.4013	0.4013		670.8964	670.8964	0.2094		675.2940
Total	**0.6814**	**6.2613**	**5.1984**	**7.0500e-003**		**0.4353**	**0.4353**		**0.4013**	**0.4013**		**670.8964**	**670.8964**	**0.2094**		**675.2940**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0214	0.0283	0.2999	1.0300e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		73.9670	73.9670	3.3600e-003		74.0376
Total	**0.0214**	**0.0283**	**0.2999**	**1.0300e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**73.9670**	**73.9670**	**3.3600e-003**		**74.0376**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6814	6.2613	5.1984	7.0500e-003		0.4353	0.4353		0.4013	0.4013	0.0000	670.8964	670.8964	0.2094		675.2940
Total	**0.6814**	**6.2613**	**5.1984**	**7.0500e-003**		**0.4353**	**0.4353**		**0.4013**	**0.4013**	**0.0000**	**670.8964**	**670.8964**	**0.2094**		**675.2940**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0214	0.0283	0.2999	1.0300e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		73.9670	73.9670	3.3600e-003		74.0376
Total	**0.0214**	**0.0283**	**0.2999**	**1.0300e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**73.9670**	**73.9670**	**3.3600e-003**		**74.0376**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784		1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**		**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0500	0.4182	0.7129	1.5000e-003	0.0438	6.9400e-003	0.0507	0.0125	6.3900e-003	0.0189		140.2693	140.2693	1.0600e-003		140.2916
Worker	0.0482	0.0636	0.6747	2.3200e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		166.4258	166.4258	7.5600e-003		166.5846
Total	**0.0981**	**0.4818**	**1.3876**	**3.8200e-003**	**0.2450**	**8.3200e-003**	**0.2533**	**0.0658**	**7.6700e-003**	**0.0735**		**306.6951**	**306.6951**	**8.6200e-003**		**306.8762**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784	0.0000	1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**	**0.0000**	**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0500	0.4182	0.7129	1.5000e-003	0.0438	6.9400e-003	0.0507	0.0125	6.3900e-003	0.0189		140.2693	140.2693	1.0600e-003		140.2916
Worker	0.0482	0.0636	0.6747	2.3200e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		166.4258	166.4258	7.5600e-003		166.5846
Total	**0.0981**	**0.4818**	**1.3876**	**3.8200e-003**	**0.2450**	**8.3200e-003**	**0.2533**	**0.0658**	**7.6700e-003**	**0.0735**		**306.6951**	**306.6951**	**8.6200e-003**		**306.8762**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098		1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**		**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0483	0.3550	0.6963	1.5000e-003	0.0438	6.3000e-003	0.0501	0.0125	5.8000e-003	0.0183		140.1512	140.1512	1.0700e-003		140.1736
Worker	0.0458	0.0597	0.6365	2.3200e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		163.6825	163.6825	7.2600e-003		163.8349
Total	**0.0941**	**0.4147**	**1.3328**	**3.8200e-003**	**0.2450**	**7.6900e-003**	**0.2527**	**0.0658**	**7.0900e-003**	**0.0729**		**303.8337**	**303.8337**	**8.3300e-003**		**304.0085**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098	0.0000	1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**	**0.0000**	**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0483	0.3550	0.6963	1.5000e-003	0.0438	6.3000e-003	0.0501	0.0125	5.8000e-003	0.0183		140.1512	140.1512	1.0700e-003		140.1736
Worker	0.0458	0.0597	0.6365	2.3200e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		163.6825	163.6825	7.2600e-003		163.8349

Total	**0.0941**	**0.4147**	**1.3328**	**3.8200e-003**	**0.2450**	**7.6900e-003**	**0.2527**	**0.0658**	**7.0900e-003**	**0.0729**		**303.8337**	**303.8337**	**8.3300e-003**		**304.0085**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247		1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**		**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0597	0.6365	2.3200e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		163.6825	163.6825	7.2600e-003		163.8349
Total	**0.0458**	**0.0597**	**0.6365**	**2.3200e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**163.6825**	**163.6825**	**7.2600e-003**		**163.8349**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247	0.0000	1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**	**0.0000**	**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0597	0.6365	2.3200e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		163.6825	163.6825	7.2600e-003		163.8349
Total	**0.0458**	**0.0597**	**0.6365**	**2.3200e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**163.6825**	**163.6825**	**7.2600e-003**		**163.8349**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	81.4203					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	**81.6392**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.8537**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0102	0.0133	0.1415	5.2000e-004	0.0447	3.1000e-004	0.0450	0.0119	2.9000e-004	0.0121		36.3739	36.3739	1.6100e-003		36.4078
Total	**0.0102**	**0.0133**	**0.1415**	**5.2000e-004**	**0.0447**	**3.1000e-004**	**0.0450**	**0.0119**	**2.9000e-004**	**0.0121**		**36.3739**	**36.3739**	**1.6100e-003**		**36.4078**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	81.4203					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	**81.6392**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.8537**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0102	0.0133	0.1415	5.2000e-004	0.0447	3.1000e-004	0.0450	0.0119	2.9000e-004	0.0121		36.3739	36.3739	1.6100e-003		36.4078
Total	**0.0102**	**0.0133**	**0.1415**	**5.2000e-004**	**0.0447**	**3.1000e-004**	**0.0450**	**0.0119**	**2.9000e-004**	**0.0121**		**36.3739**	**36.3739**	**1.6100e-003**		**36.4078**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.9754	5.9168	29.6276	0.1040	7.7073	0.1062	7.8134	2.0568	0.0981	2.1548		7,740.8273	7,740.8273	0.2704		7,746.5050
Unmitigated	2.9754	5.9168	29.6276	0.1040	7.7073	0.1062	7.8134	2.0568	0.0981	2.1548		7,740.8273	7,740.8273	0.2704		7,746.5050

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Junior College (2Yr)	1,207.25	493.18	53.14	2,840,245	2,840,245
Total	1,207.25	493.18	53.14	2,840,245	2,840,245

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
NaturalGas Unmitigated	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1908.24	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Total		**0.0206**	**0.1871**	**0.1572**	**1.1200e-003**		**0.0142**	**0.0142**		**0.0142**	**0.0142**		**224.4989**	**224.4989**	**4.3000e-003**	**4.1200e-003**	**225.8651**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1.90824	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Total		**0.0206**	**0.1871**	**0.1572**	**1.1200e-003**		**0.0142**	**0.0142**		**0.0142**	**0.0142**		**224.4989**	**224.4989**	**4.3000e-003**	**4.1200e-003**	**225.8651**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101

Unmitigated	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2788					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.2000e-004	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Total	**1.1488**	**4.0000e-005**	**4.4900e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**9.6100e-003**	**9.6100e-003**	**3.0000e-005**		**0.0101**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2788					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.2000e-004	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Total	**1.1488**	**4.0000e-005**	**4.4900e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**9.6100e-003**	**9.6100e-003**	**3.0000e-005**		**0.0101**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 3 - Dance Building

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	32.00	1000sqft	0.73	32,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Modified

Off-road Equipment - modified

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value

tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblProjectCharacteristics	OperationalYear	2014	2022

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0404	0.3945	0.3671	6.4000e-004	0.0244	0.0225	0.0470	4.9300e-003	0.0208	0.0258	0.0000	53.9462	53.9462	0.0130	0.0000	54.2190
2021	0.1654	0.1647	0.1672	2.9000e-004	3.6100e-003	9.0000e-003	0.0126	9.7000e-004	8.3100e-003	9.2800e-003	0.0000	24.3121	24.3121	6.4600e-003	0.0000	24.4478
Total	**0.2058**	**0.5592**	**0.5343**	**9.3000e-004**	**0.0280**	**0.0315**	**0.0596**	**5.9000e-003**	**0.0291**	**0.0350**	**0.0000**	**78.2583**	**78.2583**	**0.0195**	**0.0000**	**78.6668**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0404	0.3945	0.3671	6.4000e-004	0.0144	0.0225	0.0369	3.2300e-003	0.0208	0.0241	0.0000	53.9462	53.9462	0.0130	0.0000	54.2189

2021	0.1654	0.1647	0.1672	2.9000e-004	3.6100e-003	9.0000e-003	0.0126	9.7000e-004	8.3100e-003	9.2800e-003	0.0000	24.3121	24.3121	6.4600e-003	0.0000	24.4478
Total	**0.2058**	**0.5592**	**0.5343**	**9.3000e-004**	**0.0180**	**0.0315**	**0.0495**	**4.2000e-003**	**0.0291**	**0.0333**	**0.0000**	**78.2582**	**78.2582**	**0.0195**	**0.0000**	**78.6667**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**35.76**	**0.00**	**16.84**	**28.81**	**0.00**	**4.85**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1528	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.9000e-004	7.9000e-004	0.0000	0.0000	8.4000e-004
Energy	2.7400e-003	0.0249	0.0209	1.5000e-004		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	155.7438	155.7438	6.4300e-003	1.7200e-003	156.4122
Mobile	0.2899	0.6230	3.0749	0.0109	0.7821	0.0109	0.7930	0.2090	0.0101	0.2191	0.0000	733.4858	733.4858	0.0253	0.0000	734.0169
Waste						0.0000	0.0000		0.0000	0.0000	8.4444	0.0000	8.4444	0.4991	0.0000	18.9245
Water						0.0000	0.0000		0.0000	0.0000	0.4980	13.6536	14.1516	0.0518	1.3400e-003	15.6534
Total	**0.4454**	**0.6479**	**3.0962**	**0.0110**	**0.7821**	**0.0128**	**0.7949**	**0.2090**	**0.0120**	**0.2210**	**8.9424**	**902.8840**	**911.8264**	**0.5825**	**3.0600e-003**	**925.0078**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Area	0.1528	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.9000e-004	7.9000e-004	0.0000	0.0000	8.4000e-004
Energy	2.7400e-003	0.0249	0.0209	1.5000e-004		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	155.7438	155.7438	6.4300e-003	1.7200e-003	156.4122
Mobile	0.2899	0.6230	3.0749	0.0109	0.7821	0.0109	0.7930	0.2090	0.0101	0.2191	0.0000	733.4858	733.4858	0.0253	0.0000	734.0169
Waste						0.0000	0.0000		0.0000	0.0000	8.4444	0.0000	8.4444	0.4991	0.0000	18.9245
Water						0.0000	0.0000		0.0000	0.0000	0.4980	13.6536	14.1516	0.0518	1.3400e-003	15.6526
Total	**0.4454**	**0.6479**	**3.0962**	**0.0110**	**0.7821**	**0.0128**	**0.7949**	**0.2090**	**0.0120**	**0.2210**	**8.9424**	**902.8840**	**911.8264**	**0.5825**	**3.0600e-003**	**925.0070**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/14/2020	5	10	
2	Site Preparation	Site Preparation	9/15/2020	9/15/2020	5	1	
3	Grading	Grading	9/16/2020	9/17/2020	5	2	
4	Trenching	Trenching	9/18/2020	10/1/2020	5	10	
5	Building Construction	Building Construction	10/2/2020	2/18/2021	5	100	
6	Paving	Paving	2/19/2021	2/25/2021	5	5	
7	Architectural Coating	Architectural Coating	2/26/2021	3/4/2021	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 48,000; Non-Residential Outdoor: 16,000 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Trenchers	1	8.00	80	0.50
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	142.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2600e-003	0.0386	0.0405	6.0000e-005		2.2800e-003	2.2800e-003		2.1800e-003	2.1800e-003	0.0000	5.2240	5.2240	9.9000e-004	0.0000	5.2448
Total	**4.2600e-003**	**0.0386**	**0.0405**	**6.0000e-005**	**0.0154**	**2.2800e-003**	**0.0177**	**2.3300e-003**	**2.1800e-003**	**4.5100e-003**	**0.0000**	**5.2240**	**5.2240**	**9.9000e-004**	**0.0000**	**5.2448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1400e-003	0.0147	0.0139	5.0000e-005	1.2200e-003	2.6000e-004	1.4800e-003	3.3000e-004	2.4000e-004	5.8000e-004	0.0000	4.4448	4.4448	3.0000e-005	0.0000	4.4455
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.8000e-004	1.9200e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4257	0.4257	2.0000e-005	0.0000	0.4261

Total	**1.2600e-003**	**0.0149**	**0.0158**	**6.0000e-005**	**1.7700e-003**	**2.6000e-004**	**2.0300e-003**	**4.8000e-004**	**2.4000e-004**	**7.3000e-004**	**0.0000**	**4.8705**	**4.8705**	**5.0000e-005**	**0.0000**	**4.8716**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.0100e-003	0.0000	6.0100e-003	9.1000e-004	0.0000	9.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2600e-003	0.0386	0.0405	6.0000e-005		2.2800e-003	2.2800e-003		2.1800e-003	2.1800e-003	0.0000	5.2240	5.2240	9.9000e-004	0.0000	5.2448
Total	**4.2600e-003**	**0.0386**	**0.0405**	**6.0000e-005**	**6.0100e-003**	**2.2800e-003**	**8.2900e-003**	**9.1000e-004**	**2.1800e-003**	**3.0900e-003**	**0.0000**	**5.2240**	**5.2240**	**9.9000e-004**	**0.0000**	**5.2448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1400e-003	0.0147	0.0139	5.0000e-005	1.2200e-003	2.6000e-004	1.4800e-003	3.3000e-004	2.4000e-004	5.8000e-004	0.0000	4.4448	4.4448	3.0000e-005	0.0000	4.4455
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.8000e-004	1.9200e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4257	0.4257	2.0000e-005	0.0000	0.4261
Total	**1.2600e-003**	**0.0149**	**0.0158**	**6.0000e-005**	**1.7700e-003**	**2.6000e-004**	**2.0300e-003**	**4.8000e-004**	**2.4000e-004**	**7.3000e-004**	**0.0000**	**4.8705**	**4.8705**	**5.0000e-005**	**0.0000**	**4.8716**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	4.5300e-003	3.4200e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120
Total	**4.6000e-004**	**4.5300e-003**	**3.4200e-003**	**0.0000**	**2.7000e-004**	**2.6000e-004**	**5.3000e-004**	**3.0000e-005**	**2.4000e-004**	**2.7000e-004**	**0.0000**	**0.4093**	**0.4093**	**1.3000e-004**	**0.0000**	**0.4120**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0213	0.0213	0.0000	0.0000	0.0213
Total	**1.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0213**	**0.0213**	**0.0000**	**0.0000**	**0.0213**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	4.5300e-003	3.4200e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120
Total	**4.6000e-004**	**4.5300e-003**	**3.4200e-003**	**0.0000**	**1.0000e-004**	**2.6000e-004**	**3.6000e-004**	**1.0000e-005**	**2.4000e-004**	**2.5000e-004**	**0.0000**	**0.4093**	**0.4093**	**1.3000e-004**	**0.0000**	**0.4120**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0213	0.0213	0.0000	0.0000	0.0213
Total	**1.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0213**	**0.0213**	**0.0000**	**0.0000**	**0.0213**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	7.7200e-003	8.1000e-003	1.0000e-005		4.6000e-004	4.6000e-004		4.4000e-004	4.4000e-004	0.0000	1.0448	1.0448	2.0000e-004	0.0000	1.0490
Total	**8.5000e-004**	**7.7200e-003**	**8.1000e-003**	**1.0000e-005**	**7.5000e-004**	**4.6000e-004**	**1.2100e-003**	**4.1000e-004**	**4.4000e-004**	**8.5000e-004**	**0.0000**	**1.0448**	**1.0448**	**2.0000e-004**	**0.0000**	**1.0490**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	4.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0852	0.0852	0.0000	0.0000	0.0852
Total	**2.0000e-005**	**4.0000e-005**	**3.8000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0852**	**0.0852**	**0.0000**	**0.0000**	**0.0852**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.9000e-004	0.0000	2.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	7.7200e-003	8.1000e-003	1.0000e-005		4.6000e-004	4.6000e-004		4.4000e-004	4.4000e-004	0.0000	1.0448	1.0448	2.0000e-004	0.0000	1.0490
Total	**8.5000e-004**	**7.7200e-003**	**8.1000e-003**	**1.0000e-005**	**2.9000e-004**	**4.6000e-004**	**7.5000e-004**	**1.6000e-004**	**4.4000e-004**	**6.0000e-004**	**0.0000**	**1.0448**	**1.0448**	**2.0000e-004**	**0.0000**	**1.0490**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	4.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0852	0.0852	0.0000	0.0000	0.0852
Total	**2.0000e-005**	**4.0000e-005**	**3.8000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0852**	**0.0852**	**0.0000**	**0.0000**	**0.0852**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4100e-003	0.0313	0.0260	4.0000e-005		2.1800e-003	2.1800e-003		2.0100e-003	2.0100e-003	0.0000	3.0431	3.0431	9.5000e-004	0.0000	3.0631
Total	**3.4100e-003**	**0.0313**	**0.0260**	**4.0000e-005**		**2.1800e-003**	**2.1800e-003**		**2.0100e-003**	**2.0100e-003**	**0.0000**	**3.0431**	**3.0431**	**9.5000e-004**	**0.0000**	**3.0631**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	1.5000e-004	1.5300e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3406	0.3406	2.0000e-005	0.0000	0.3409

Total	**1.0000e-004**	**1.5000e-004**	**1.5300e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3406**	**0.3406**	**2.0000e-005**	**0.0000**	**0.3409**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4100e-003	0.0313	0.0260	4.0000e-005		2.1800e-003	2.1800e-003		2.0100e-003	2.0100e-003	0.0000	3.0431	3.0431	9.5000e-004	0.0000	3.0631
Total	**3.4100e-003**	**0.0313**	**0.0260**	**4.0000e-005**		**2.1800e-003**	**2.1800e-003**		**2.0100e-003**	**2.0100e-003**	**0.0000**	**3.0431**	**3.0431**	**9.5000e-004**	**0.0000**	**3.0631**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	1.5000e-004	1.5300e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3406	0.3406	2.0000e-005	0.0000	0.3409
Total	**1.0000e-004**	**1.5000e-004**	**1.5300e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3406**	**0.3406**	**2.0000e-005**	**0.0000**	**0.3409**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0279	0.2858	0.2394	3.7000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	32.3414	32.3414	0.0105	0.0000	32.5610
Total	**0.0279**	**0.2858**	**0.2394**	**3.7000e-004**		**0.0169**	**0.0169**		**0.0156**	**0.0156**	**0.0000**	**32.3414**	**32.3414**	**0.0105**	**0.0000**	**32.5610**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1200e-003	9.9000e-003	0.0157	3.0000e-005	1.0000e-003	1.6000e-004	1.1600e-003	2.9000e-004	1.5000e-004	4.3000e-004	0.0000	2.9687	2.9687	2.0000e-005	0.0000	2.9692
Worker	1.0600e-003	1.5300e-003	0.0162	6.0000e-005	4.6400e-003	3.0000e-005	4.6700e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.5974	3.5974	1.6000e-004	0.0000	3.6008
Total	**2.1800e-003**	**0.0114**	**0.0319**	**9.0000e-005**	**5.6400e-003**	**1.9000e-004**	**5.8300e-003**	**1.5200e-003**	**1.8000e-004**	**1.6900e-003**	**0.0000**	**6.5661**	**6.5661**	**1.8000e-004**	**0.0000**	**6.5700**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0279	0.2858	0.2394	3.7000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	32.3413	32.3413	0.0105	0.0000	32.5610
Total	**0.0279**	**0.2858**	**0.2394**	**3.7000e-004**		**0.0169**	**0.0169**		**0.0156**	**0.0156**	**0.0000**	**32.3413**	**32.3413**	**0.0105**	**0.0000**	**32.5610**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1200e-003	9.9000e-003	0.0157	3.0000e-005	1.0000e-003	1.6000e-004	1.1600e-003	2.9000e-004	1.5000e-004	4.3000e-004	0.0000	2.9687	2.9687	2.0000e-005	0.0000	2.9692
Worker	1.0600e-003	1.5300e-003	0.0162	6.0000e-005	4.6400e-003	3.0000e-005	4.6700e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.5974	3.5974	1.6000e-004	0.0000	3.6008
Total	**2.1800e-003**	**0.0114**	**0.0319**	**9.0000e-005**	**5.6400e-003**	**1.9000e-004**	**5.8300e-003**	**1.5200e-003**	**1.8000e-004**	**1.6900e-003**	**0.0000**	**6.5661**	**6.5661**	**1.8000e-004**	**0.0000**	**6.5700**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0135	0.1388	0.1267	2.0000e-004		7.7900e-003	7.7900e-003		7.1700e-003	7.1700e-003	0.0000	17.4184	17.4184	5.6300e-003	0.0000	17.5367
Total	**0.0135**	**0.1388**	**0.1267**	**2.0000e-004**		**7.7900e-003**	**7.7900e-003**		**7.1700e-003**	**7.1700e-003**	**0.0000**	**17.4184**	**17.4184**	**5.6300e-003**	**0.0000**	**17.5367**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.8000e-004	4.5200e-003	8.2600e-003	2.0000e-005	5.4000e-004	8.0000e-005	6.2000e-004	1.5000e-004	7.0000e-005	2.3000e-004	0.0000	1.5972	1.5972	1.0000e-005	0.0000	1.5974
Worker	5.4000e-004	7.8000e-004	8.2300e-003	3.0000e-005	2.5000e-003	2.0000e-005	2.5200e-003	6.6000e-004	2.0000e-005	6.8000e-004	0.0000	1.9052	1.9052	8.0000e-005	0.0000	1.9069
Total	**1.1200e-003**	**5.3000e-003**	**0.0165**	**5.0000e-005**	**3.0400e-003**	**1.0000e-004**	**3.1400e-003**	**8.1000e-004**	**9.0000e-005**	**9.1000e-004**	**0.0000**	**3.5024**	**3.5024**	**9.0000e-005**	**0.0000**	**3.5044**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0135	0.1388	0.1267	2.0000e-004		7.7900e-003	7.7900e-003		7.1700e-003	7.1700e-003	0.0000	17.4183	17.4183	5.6300e-003	0.0000	17.5366
Total	**0.0135**	**0.1388**	**0.1267**	**2.0000e-004**		**7.7900e-003**	**7.7900e-003**		**7.1700e-003**	**7.1700e-003**	**0.0000**	**17.4183**	**17.4183**	**5.6300e-003**	**0.0000**	**17.5366**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.8000e-004	4.5200e-003	8.2600e-003	2.0000e-005	5.4000e-004	8.0000e-005	6.2000e-004	1.5000e-004	7.0000e-005	2.3000e-004	0.0000	1.5972	1.5972	1.0000e-005	0.0000	1.5974
Worker	5.4000e-004	7.8000e-004	8.2300e-003	3.0000e-005	2.5000e-003	2.0000e-005	2.5200e-003	6.6000e-004	2.0000e-005	6.8000e-004	0.0000	1.9052	1.9052	8.0000e-005	0.0000	1.9069
Total	**1.1200e-003**	**5.3000e-003**	**0.0165**	**5.0000e-005**	**3.0400e-003**	**1.0000e-004**	**3.1400e-003**	**8.1000e-004**	**9.0000e-005**	**9.1000e-004**	**0.0000**	**3.5024**	**3.5024**	**9.0000e-005**	**0.0000**	**3.5044**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7800e-003	0.0166	0.0175	3.0000e-005		8.7000e-004	8.7000e-004		8.1000e-004	8.1000e-004	0.0000	2.3134	2.3134	6.7000e-004	0.0000	2.3275
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.7800e-003**	**0.0166**	**0.0175**	**3.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.1000e-004**	**8.1000e-004**	**0.0000**	**2.3134**	**2.3134**	**6.7000e-004**	**0.0000**	**2.3275**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.6300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3769	0.3769	2.0000e-005	0.0000	0.3772

Total	**1.1000e-004**	**1.5000e-004**	**1.6300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3769**	**0.3769**	**2.0000e-005**	**0.0000**	**0.3772**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7800e-003	0.0166	0.0175	3.0000e-005		8.7000e-004	8.7000e-004		8.1000e-004	8.1000e-004	0.0000	2.3134	2.3134	6.7000e-004	0.0000	2.3275
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.7800e-003**	**0.0166**	**0.0175**	**3.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.1000e-004**	**8.1000e-004**	**0.0000**	**2.3134**	**2.3134**	**6.7000e-004**	**0.0000**	**2.3275**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.6300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3769	0.3769	2.0000e-005	0.0000	0.3772
Total	**1.1000e-004**	**1.5000e-004**	**1.6300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3769**	**0.3769**	**2.0000e-005**	**0.0000**	**0.3772**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1483					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6392
Total	**0.1489**	**3.8200e-003**	**4.5400e-003**	**1.0000e-005**		**2.4000e-004**	**2.4000e-004**		**2.4000e-004**	**2.4000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6392**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	2.7000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0628	0.0628	0.0000	0.0000	0.0629
Total	**2.0000e-005**	**3.0000e-005**	**2.7000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0628**	**0.0628**	**0.0000**	**0.0000**	**0.0629**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Archit. Coating	0.1483					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6392
Total	**0.1489**	**3.8200e-003**	**4.5400e-003**	**1.0000e-005**		**2.4000e-004**	**2.4000e-004**		**2.4000e-004**	**2.4000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6392**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	2.7000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0628	0.0628	0.0000	0.0000	0.0629
Total	**2.0000e-005**	**3.0000e-005**	**2.7000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0628**	**0.0628**	**0.0000**	**0.0000**	**0.0629**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2899	0.6230	3.0749	0.0109	0.7821	0.0109	0.7930	0.2090	0.0101	0.2191	0.0000	733.4858	733.4858	0.0253	0.0000	734.0169
Unmitigated	0.2899	0.6230	3.0749	0.0109	0.7821	0.0109	0.7930	0.2090	0.0101	0.2191	0.0000	733.4858	733.4858	0.0253	0.0000	734.0169

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	879.68	359.36	38.72	2,069,584	2,069,584
Total	879.68	359.36	38.72	2,069,584	2,069,584

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	128.6606	128.6606	5.9100e-003	1.2200e-003	129.1642
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	128.6606	128.6606	5.9100e-003	1.2200e-003	129.1642
NaturalGas Mitigated	2.7400e-003	0.0249	0.0209	1.5000e-004		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	27.0832	27.0832	5.2000e-004	5.0000e-004	27.2480

NaturalGas Unmitigated	2.7400e-003	0.0249	0.0209	1.5000e-004		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	27.0832	27.0832	5.2000e-004	5.0000e-004	27.2480

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	507520	2.7400e-003	0.0249	0.0209	1.5000e-004		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	27.0832	27.0832	5.2000e-004	5.0000e-004	27.2480
Total		**2.7400e-003**	**0.0249**	**0.0209**	**1.5000e-004**		**1.8900e-003**	**1.8900e-003**		**1.8900e-003**	**1.8900e-003**	**0.0000**	**27.0832**	**27.0832**	**5.2000e-004**	**5.0000e-004**	**27.2480**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	507520	2.7400e-003	0.0249	0.0209	1.5000e-004		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	27.0832	27.0832	5.2000e-004	5.0000e-004	27.2480
Total		**2.7400e-003**	**0.0249**	**0.0209**	**1.5000e-004**		**1.8900e-003**	**1.8900e-003**		**1.8900e-003**	**1.8900e-003**	**0.0000**	**27.0832**	**27.0832**	**5.2000e-004**	**5.0000e-004**	**27.2480**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	449600	128.6606	5.9100e-003	1.2200e-003	129.1642
Total		**128.6606**	**5.9100e-003**	**1.2200e-003**	**129.1642**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	449600	128.6606	5.9100e-003	1.2200e-003	129.1642
Total		**128.6606**	**5.9100e-003**	**1.2200e-003**	**129.1642**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Mitigated	0.1528	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.9000e-004	7.9000e-004	0.0000	0.0000	8.4000e-004
Unmitigated	0.1528	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.9000e-004	7.9000e-004	0.0000	0.0000	8.4000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0371					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1156					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.9000e-004	7.9000e-004	0.0000	0.0000	8.4000e-004
Total	**0.1528**	**0.0000**	**4.1000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**7.9000e-004**	**7.9000e-004**	**0.0000**	**0.0000**	**8.4000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0371					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1156					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.9000e-004	7.9000e-004	0.0000	0.0000	8.4000e-004

Total	**0.1528**	**0.0000**	**4.1000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**7.9000e-004**	**7.9000e-004**	**0.0000**	**0.0000**	**8.4000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	14.1516	0.0518	1.3400e-003	15.6526
Unmitigated	14.1516	0.0518	1.3400e-003	15.6534

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	1.56957 / 2.45497	14.1516	0.0518	1.3400e-003	15.6534
Total		**14.1516**	**0.0518**	**1.3400e-003**	**15.6534**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	1.56957 / 2.45497	14.1516	0.0518	1.3400e-003	15.6526
Total		**14.1516**	**0.0518**	**1.3400e-003**	**15.6526**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.4444	0.4991	0.0000	18.9245
Unmitigated	8.4444	0.4991	0.0000	18.9245

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr			
Junior College (2Yr)	41.6	8.4444	0.4991	0.0000	18.9245
Total		**8.4444**	**0.4991**	**0.0000**	**18.9245**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	41.6	8.4444	0.4991	0.0000	18.9245
Total		**8.4444**	**0.4991**	**0.0000**	**18.9245**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 3 - Dance Building

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	32.00	1000sqft	0.73	32,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Modified

Off-road Equipment - modified

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value

tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblProjectCharacteristics	OperationalYear	2014	2022

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.0993	10.5533	10.9493	0.0238	3.4414	0.5259	3.9506	0.5641	0.4844	1.0484	0.0000	2,230.2347	2,230.2347	0.3610	0.0000	2,237.8149
2021	59.5542	8.2200	8.1344	0.0142	0.2012	0.4509	0.6274	0.0534	0.4148	0.4623	0.0000	1,322.9909	1,322.9909	0.3608	0.0000	1,330.5682
Total	**60.6535**	**18.7733**	**19.0837**	**0.0380**	**3.6426**	**0.9767**	**4.5781**	**0.6174**	**0.8992**	**1.5107**	**0.0000**	**3,553.2256**	**3,553.2256**	**0.7218**	**0.0000**	**3,568.3831**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.0993	10.5533	10.9493	0.0238	1.5613	0.5259	2.0705	0.2794	0.4844	0.7638	0.0000	2,230.2347	2,230.2347	0.3610	0.0000	2,237.8149

2021	59.5542	8.2200	8.1344	0.0142	0.2012	0.4509	0.6274	0.0534	0.4148	0.4623	0.0000	1,322.9909	1,322.9909	0.3608	0.0000	1,330.5682
Total	**60.6535**	**18.7733**	**19.0837**	**0.0380**	**1.7625**	**0.9767**	**2.6980**	**0.3328**	**0.8992**	**1.2260**	**0.0000**	**3,553.2256**	**3,553.2256**	**0.7218**	**0.0000**	**3,568.3831**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**51.61**	**0.00**	**41.07**	**46.10**	**0.00**	**18.84**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Energy	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
Mobile	2.0575	4.0808	21.6841	0.0793	5.6160	0.0772	5.6932	1.4987	0.0713	1.5699		5,892.6617	5,892.6617	0.1968		5,896.7953
Total	**2.9096**	**4.2172**	**21.8019**	**0.0801**	**5.6160**	**0.0875**	**5.7035**	**1.4987**	**0.0816**	**1.5803**		**6,056.2529**	**6,056.2529**	**0.2000**	**3.0000e-003**	**6,061.3824**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Energy	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798

Mobile	2.0575	4.0808	21.6841	0.0793	5.6160	0.0772	5.6932	1.4987	0.0713	1.5699		5,892.6617	5,892.6617	0.1968		5,896.7953
Total	**2.9096**	**4.2172**	**21.8019**	**0.0801**	**5.6160**	**0.0875**	**5.7035**	**1.4987**	**0.0816**	**1.5803**		**6,056.2529**	**6,056.2529**	**0.2000**	**3.0000e-003**	**6,061.3824**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/14/2020	5	10	
2	Site Preparation	Site Preparation	9/15/2020	9/15/2020	5	1	
3	Grading	Grading	9/16/2020	9/17/2020	5	2	
4	Trenching	Trenching	9/18/2020	10/1/2020	5	10	
5	Building Construction	Building Construction	10/2/2020	2/18/2021	5	100	
6	Paving	Paving	2/19/2021	2/25/2021	5	5	
7	Architectural Coating	Architectural Coating	2/26/2021	3/4/2021	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 48,000; Non-Residential Outdoor: 16,000 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37

Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Trenchers	1	8.00	80	0.50
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	142.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0821	0.0000	3.0821	0.4667	0.0000	0.4667			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**3.0821**	**0.4561**	**3.5382**	**0.4667**	**0.4355**	**0.9021**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2211	2.7963	2.4492	0.0104	0.2475	0.0524	0.2999	0.0678	0.0482	0.1160		980.8856	980.8856	7.6200e-003		981.0457
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.2466**	**2.8285**	**2.8512**	**0.0118**	**0.3593**	**0.0532**	**0.4124**	**0.0974**	**0.0489**	**0.1463**		**1,078.5336**	**1,078.5336**	**0.0118**		**1,078.7819**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2020	0.0000	1.2020	0.1820	0.0000	0.1820			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**1.2020**	**0.4561**	**1.6581**	**0.1820**	**0.4355**	**0.6175**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2211	2.7963	2.4492	0.0104	0.2475	0.0524	0.2999	0.0678	0.0482	0.1160		980.8856	980.8856	7.6200e-003		981.0457
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.2466**	**2.8285**	**2.8512**	**0.0118**	**0.3593**	**0.0532**	**0.4124**	**0.0974**	**0.0489**	**0.1463**		**1,078.5336**	**1,078.5336**	**0.0118**		**1,078.7819**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796		902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.5303**	**0.5213**	**1.0516**	**0.0573**	**0.4796**	**0.5369**		**902.2494**	**902.2494**	**0.2918**		**908.3773**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0128	0.0161	0.2010	6.8000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		48.8240	48.8240	2.1000e-003		48.8681
Total	**0.0128**	**0.0161**	**0.2010**	**6.8000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**48.8240**	**48.8240**	**2.1000e-003**		**48.8681**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796	0.0000	902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.2068**	**0.5213**	**0.7281**	**0.0223**	**0.4796**	**0.5019**	**0.0000**	**902.2494**	**902.2494**	**0.2918**		**908.3773**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0128	0.0161	0.2010	6.8000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		48.8240	48.8240	2.1000e-003		48.8681
Total	**0.0128**	**0.0161**	**0.2010**	**6.8000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**48.8240**	**48.8240**	**2.1000e-003**		**48.8681**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.7528**	**0.4561**	**1.2089**	**0.4138**	**0.4355**	**0.8492**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.0255**	**0.0321**	**0.4020**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**97.6480**	**97.6480**	**4.2000e-003**		**97.7363**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.2936**	**0.4561**	**0.7497**	**0.1614**	**0.4355**	**0.5968**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363

Total	**0.0255**	**0.0321**	**0.4020**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**97.6480**	**97.6480**	**4.2000e-003**		**97.7363**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6814	6.2613	5.1984	7.0500e-003		0.4353	0.4353		0.4013	0.4013		670.8964	670.8964	0.2094		675.2940
Total	**0.6814**	**6.2613**	**5.1984**	**7.0500e-003**		**0.4353**	**0.4353**		**0.4013**	**0.4013**		**670.8964**	**670.8964**	**0.2094**		**675.2940**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0257	0.3216	1.0900e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		78.1184	78.1184	3.3600e-003		78.1890
Total	**0.0204**	**0.0257**	**0.3216**	**1.0900e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**78.1184**	**78.1184**	**3.3600e-003**		**78.1890**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6814	6.2613	5.1984	7.0500e-003		0.4353	0.4353		0.4013	0.4013	0.0000	670.8964	670.8964	0.2094		675.2940
Total	**0.6814**	**6.2613**	**5.1984**	**7.0500e-003**		**0.4353**	**0.4353**		**0.4013**	**0.4013**	**0.0000**	**670.8964**	**670.8964**	**0.2094**		**675.2940**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0257	0.3216	1.0900e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		78.1184	78.1184	3.3600e-003		78.1890
Total	**0.0204**	**0.0257**	**0.3216**	**1.0900e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**78.1184**	**78.1184**	**3.3600e-003**		**78.1890**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784		1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**		**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0328	0.2925	0.4090	1.0800e-003	0.0313	4.9100e-003	0.0362	8.9000e-003	4.5200e-003	0.0134		101.0502	101.0502	7.3000e-004		101.0655
Worker	0.0332	0.0418	0.5226	1.7700e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		126.9424	126.9424	5.4600e-003		127.0572
Total	**0.0659**	**0.3343**	**0.9316**	**2.8500e-003**	**0.1766**	**5.9000e-003**	**0.1825**	**0.0474**	**5.4400e-003**	**0.0529**		**227.9926**	**227.9926**	**6.1900e-003**		**228.1227**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784	0.0000	1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**	**0.0000**	**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0328	0.2925	0.4090	1.0800e-003	0.0313	4.9100e-003	0.0362	8.9000e-003	4.5200e-003	0.0134		101.0502	101.0502	7.3000e-004		101.0655
Worker	0.0332	0.0418	0.5226	1.7700e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		126.9424	126.9424	5.4600e-003		127.0572
Total	**0.0659**	**0.3343**	**0.9316**	**2.8500e-003**	**0.1766**	**5.9000e-003**	**0.1825**	**0.0474**	**5.4400e-003**	**0.0529**		**227.9926**	**227.9926**	**6.1900e-003**		**228.1227**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098		1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**		**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0317	0.2483	0.3983	1.0800e-003	0.0313	4.4700e-003	0.0357	8.9000e-003	4.1100e-003	0.0130		100.9659	100.9659	7.4000e-004		100.9813
Worker	0.0316	0.0393	0.4939	1.7700e-003	0.1453	1.0000e-003	0.1463	0.0385	9.3000e-004	0.0395		124.8562	124.8562	5.2400e-003		124.9663
Total	**0.0633**	**0.2875**	**0.8922**	**2.8500e-003**	**0.1766**	**5.4700e-003**	**0.1820**	**0.0474**	**5.0400e-003**	**0.0525**		**225.8221**	**225.8221**	**5.9800e-003**		**225.9476**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098	0.0000	1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**	**0.0000**	**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0317	0.2483	0.3983	1.0800e-003	0.0313	4.4700e-003	0.0357	8.9000e-003	4.1100e-003	0.0130		100.9659	100.9659	7.4000e-004		100.9813
Worker	0.0316	0.0393	0.4939	1.7700e-003	0.1453	1.0000e-003	0.1463	0.0385	9.3000e-004	0.0395		124.8562	124.8562	5.2400e-003		124.9663

Total	**0.0633**	**0.2875**	**0.8922**	**2.8500e-003**	**0.1766**	**5.4700e-003**	**0.1820**	**0.0474**	**5.0400e-003**	**0.0525**		**225.8221**	**225.8221**	**5.9800e-003**		**225.9476**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247		1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**		**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0544	0.6838	2.4600e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		172.8779	172.8779	7.2600e-003		173.0302
Total	**0.0437**	**0.0544**	**0.6838**	**2.4600e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**172.8779**	**172.8779**	**7.2600e-003**		**173.0302**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247	0.0000	1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**	**0.0000**	**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0544	0.6838	2.4600e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		172.8779	172.8779	7.2600e-003		173.0302
Total	**0.0437**	**0.0544**	**0.6838**	**2.4600e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**172.8779**	**172.8779**	**7.2600e-003**		**173.0302**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	59.3280					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	**59.5469**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.8537**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.2800e-003	9.0600e-003	0.1140	4.1000e-004	0.0335	2.3000e-004	0.0338	8.8900e-003	2.1000e-004	9.1100e-003		28.8130	28.8130	1.2100e-003		28.8384
Total	**7.2800e-003**	**9.0600e-003**	**0.1140**	**4.1000e-004**	**0.0335**	**2.3000e-004**	**0.0338**	**8.8900e-003**	**2.1000e-004**	**9.1100e-003**		**28.8130**	**28.8130**	**1.2100e-003**		**28.8384**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	59.3280					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	**59.5469**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.8537**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.2800e-003	9.0600e-003	0.1140	4.1000e-004	0.0335	2.3000e-004	0.0338	8.8900e-003	2.1000e-004	9.1100e-003		28.8130	28.8130	1.2100e-003		28.8384
Total	**7.2800e-003**	**9.0600e-003**	**0.1140**	**4.1000e-004**	**0.0335**	**2.3000e-004**	**0.0338**	**8.8900e-003**	**2.1000e-004**	**9.1100e-003**		**28.8130**	**28.8130**	**1.2100e-003**		**28.8384**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0575	4.0808	21.6841	0.0793	5.6160	0.0772	5.6932	1.4987	0.0713	1.5699		5,892.6617	5,892.6617	0.1968		5,896.7953
Unmitigated	2.0575	4.0808	21.6841	0.0793	5.6160	0.0772	5.6932	1.4987	0.0713	1.5699		5,892.6617	5,892.6617	0.1968		5,896.7953

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Junior College (2Yr)	879.68	359.36	38.72	2,069,584	2,069,584
Total	879.68	359.36	38.72	2,069,584	2,069,584

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
NaturalGas Unmitigated	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1390.47	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
Total		**0.0150**	**0.1363**	**0.1145**	**8.2000e-004**		**0.0104**	**0.0104**		**0.0104**	**0.0104**		**163.5842**	**163.5842**	**3.1400e-003**	**3.0000e-003**	**164.5798**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1.39047	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
Total		**0.0150**	**0.1363**	**0.1145**	**8.2000e-004**		**0.0104**	**0.0104**		**0.0104**	**0.0104**		**163.5842**	**163.5842**	**3.1400e-003**	**3.0000e-003**	**164.5798**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003

Unmitigated	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2032					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6336					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Total	**0.8371**	**3.0000e-005**	**3.2700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**7.0000e-003**	**7.0000e-003**	**2.0000e-005**		**7.3900e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2032					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6336					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Total	**0.8371**	**3.0000e-005**	**3.2700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**7.0000e-003**	**7.0000e-003**	**2.0000e-005**		**7.3900e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 3 - Dance Building

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	32.00	1000sqft	0.73	32,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Modified

Off-road Equipment - modified

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value

tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblProjectCharacteristics	OperationalYear	2014	2022

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.1109	10.6512	11.3503	0.0237	3.4414	0.5259	3.9507	0.5641	0.4845	1.0486	0.0000	2,222.7063	2,222.7063	0.3610	0.0000	2,230.2871
2021	59.5545	8.2292	8.1993	0.0141	0.2012	0.4509	0.6275	0.0534	0.4148	0.4623	0.0000	1,315.4920	1,315.4920	0.3609	0.0000	1,323.0698
Total	**60.6655**	**18.8804**	**19.5495**	**0.0378**	**3.6426**	**0.9768**	**4.5782**	**0.6174**	**0.8993**	**1.5108**	**0.0000**	**3,538.1982**	**3,538.1982**	**0.7218**	**0.0000**	**3,553.3568**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.1109	10.6512	11.3503	0.0237	1.5613	0.5259	2.0706	0.2794	0.4845	0.7639	0.0000	2,222.7063	2,222.7063	0.3610	0.0000	2,230.2871

2021	59.5545	8.2292	8.1993	0.0141	0.2012	0.4509	0.6275	0.0534	0.4148	0.4623	0.0000	1,315.4920	1,315.4920	0.3609	0.0000	1,323.0698
Total	**60.6655**	**18.8804**	**19.5495**	**0.0378**	**1.7625**	**0.9768**	**2.6981**	**0.3328**	**0.8993**	**1.2262**	**0.0000**	**3,538.1982**	**3,538.1982**	**0.7218**	**0.0000**	**3,553.3568**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**51.61**	**0.00**	**41.07**	**46.10**	**0.00**	**18.84**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Energy	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
Mobile	2.1680	4.3113	21.5885	0.0758	5.6160	0.0774	5.6934	1.4987	0.0715	1.5701		5,640.4607	5,640.4607	0.1970		5,644.5979
Total	**3.0201**	**4.4477**	**21.7063**	**0.0766**	**5.6160**	**0.0877**	**5.7037**	**1.4987**	**0.0818**	**1.5805**		**5,804.0520**	**5,804.0520**	**0.2002**	**3.0000e-003**	**5,809.1850**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Energy	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798

Mobile	2.1680	4.3113	21.5885	0.0758	5.6160	0.0774	5.6934	1.4987	0.0715	1.5701		5,640.4607	5,640.4607	0.1970		5,644.5979
Total	**3.0201**	**4.4477**	**21.7063**	**0.0766**	**5.6160**	**0.0877**	**5.7037**	**1.4987**	**0.0818**	**1.5805**		**5,804.0520**	**5,804.0520**	**0.2002**	**3.0000e-003**	**5,809.1850**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/14/2020	5	10	
2	Site Preparation	Site Preparation	9/15/2020	9/15/2020	5	1	
3	Grading	Grading	9/16/2020	9/17/2020	5	2	
4	Trenching	Trenching	9/18/2020	10/1/2020	5	10	
5	Building Construction	Building Construction	10/2/2020	2/18/2021	5	100	
6	Paving	Paving	2/19/2021	2/25/2021	5	5	
7	Architectural Coating	Architectural Coating	2/26/2021	3/4/2021	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 48,000; Non-Residential Outdoor: 16,000 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37

Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Trenchers	1	8.00	80	0.50
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	142.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0821	0.0000	3.0821	0.4667	0.0000	0.4667			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**3.0821**	**0.4561**	**3.5382**	**0.4667**	**0.4355**	**0.9021**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2314	2.8911	2.8774	0.0104	0.2475	0.0525	0.3000	0.0678	0.0483	0.1161		978.5464	978.5464	7.7300e-003		978.7089
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.2582**	**2.9264**	**3.2522**	**0.0117**	**0.3593**	**0.0533**	**0.4125**	**0.0974**	**0.0490**	**0.1464**		**1,071.0052**	**1,071.0052**	**0.0119**		**1,071.2559**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2020	0.0000	1.2020	0.1820	0.0000	0.1820			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**1.2020**	**0.4561**	**1.6581**	**0.1820**	**0.4355**	**0.6175**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2314	2.8911	2.8774	0.0104	0.2475	0.0525	0.3000	0.0678	0.0483	0.1161		978.5464	978.5464	7.7300e-003		978.7089
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.2582**	**2.9264**	**3.2522**	**0.0117**	**0.3593**	**0.0533**	**0.4125**	**0.0974**	**0.0490**	**0.1464**		**1,071.0052**	**1,071.0052**	**0.0119**		**1,071.2559**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796		902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.5303**	**0.5213**	**1.0516**	**0.0573**	**0.4796**	**0.5369**		**902.2494**	**902.2494**	**0.2918**		**908.3773**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	0.0177	0.1874	6.4000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		46.2294	46.2294	2.1000e-003		46.2735
Total	**0.0134**	**0.0177**	**0.1874**	**6.4000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**46.2294**	**46.2294**	**2.1000e-003**		**46.2735**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796	0.0000	902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.2068**	**0.5213**	**0.7281**	**0.0223**	**0.4796**	**0.5019**	**0.0000**	**902.2494**	**902.2494**	**0.2918**		**908.3773**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	0.0177	0.1874	6.4000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		46.2294	46.2294	2.1000e-003		46.2735
Total	**0.0134**	**0.0177**	**0.1874**	**6.4000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**46.2294**	**46.2294**	**2.1000e-003**		**46.2735**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.7528**	**0.4561**	**1.2089**	**0.4138**	**0.4355**	**0.8492**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.0268**	**0.0353**	**0.3748**	**1.2900e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**92.4588**	**92.4588**	**4.2000e-003**		**92.5470**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.2936**	**0.4561**	**0.7497**	**0.1614**	**0.4355**	**0.5968**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470

Total	**0.0268**	**0.0353**	**0.3748**	**1.2900e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**92.4588**	**92.4588**	**4.2000e-003**		**92.5470**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6814	6.2613	5.1984	7.0500e-003		0.4353	0.4353		0.4013	0.4013		670.8964	670.8964	0.2094		675.2940
Total	**0.6814**	**6.2613**	**5.1984**	**7.0500e-003**		**0.4353**	**0.4353**		**0.4013**	**0.4013**		**670.8964**	**670.8964**	**0.2094**		**675.2940**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0214	0.0283	0.2999	1.0300e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		73.9670	73.9670	3.3600e-003		74.0376
Total	**0.0214**	**0.0283**	**0.2999**	**1.0300e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**73.9670**	**73.9670**	**3.3600e-003**		**74.0376**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6814	6.2613	5.1984	7.0500e-003		0.4353	0.4353		0.4013	0.4013	0.0000	670.8964	670.8964	0.2094		675.2940
Total	**0.6814**	**6.2613**	**5.1984**	**7.0500e-003**		**0.4353**	**0.4353**		**0.4013**	**0.4013**	**0.0000**	**670.8964**	**670.8964**	**0.2094**		**675.2940**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0214	0.0283	0.2999	1.0300e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		73.9670	73.9670	3.3600e-003		74.0376
Total	**0.0214**	**0.0283**	**0.2999**	**1.0300e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**73.9670**	**73.9670**	**3.3600e-003**		**74.0376**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784		1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**		**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0357	0.2988	0.5093	1.0700e-003	0.0313	4.9600e-003	0.0362	8.9000e-003	4.5600e-003	0.0135		100.1924	100.1924	7.6000e-004		100.2083
Worker	0.0348	0.0459	0.4873	1.6800e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		120.1964	120.1964	5.4600e-003		120.3111
Total	**0.0705**	**0.3447**	**0.9965**	**2.7500e-003**	**0.1766**	**5.9500e-003**	**0.1825**	**0.0474**	**5.4800e-003**	**0.0529**		**220.3888**	**220.3888**	**6.2200e-003**		**220.5194**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784	0.0000	1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**	**0.0000**	**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0357	0.2988	0.5093	1.0700e-003	0.0313	4.9600e-003	0.0362	8.9000e-003	4.5600e-003	0.0135		100.1924	100.1924	7.6000e-004		100.2083
Worker	0.0348	0.0459	0.4873	1.6800e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		120.1964	120.1964	5.4600e-003		120.3111
Total	**0.0705**	**0.3447**	**0.9965**	**2.7500e-003**	**0.1766**	**5.9500e-003**	**0.1825**	**0.0474**	**5.4800e-003**	**0.0529**		**220.3888**	**220.3888**	**6.2200e-003**		**220.5194**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098		1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**		**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0345	0.2536	0.4973	1.0700e-003	0.0313	4.5000e-003	0.0358	8.9000e-003	4.1400e-003	0.0131		100.1080	100.1080	7.6000e-004		100.1240
Worker	0.0331	0.0431	0.4597	1.6800e-003	0.1453	1.0000e-003	0.1463	0.0385	9.3000e-004	0.0395		118.2152	118.2152	5.2400e-003		118.3252
Total	**0.0676**	**0.2967**	**0.9570**	**2.7500e-003**	**0.1766**	**5.5000e-003**	**0.1821**	**0.0474**	**5.0700e-003**	**0.0525**		**218.3231**	**218.3231**	**6.0000e-003**		**218.4492**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098	0.0000	1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**	**0.0000**	**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0345	0.2536	0.4973	1.0700e-003	0.0313	4.5000e-003	0.0358	8.9000e-003	4.1400e-003	0.0131		100.1080	100.1080	7.6000e-004		100.1240
Worker	0.0331	0.0431	0.4597	1.6800e-003	0.1453	1.0000e-003	0.1463	0.0385	9.3000e-004	0.0395		118.2152	118.2152	5.2400e-003		118.3252

Total	**0.0676**	**0.2967**	**0.9570**	**2.7500e-003**	**0.1766**	**5.5000e-003**	**0.1821**	**0.0474**	**5.0700e-003**	**0.0525**		**218.3231**	**218.3231**	**6.0000e-003**		**218.4492**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247		1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**		**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0597	0.6365	2.3200e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		163.6825	163.6825	7.2600e-003		163.8349
Total	**0.0458**	**0.0597**	**0.6365**	**2.3200e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**163.6825**	**163.6825**	**7.2600e-003**		**163.8349**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247	0.0000	1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**	**0.0000**	**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0597	0.6365	2.3200e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		163.6825	163.6825	7.2600e-003		163.8349
Total	**0.0458**	**0.0597**	**0.6365**	**2.3200e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**163.6825**	**163.6825**	**7.2600e-003**		**163.8349**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	59.3280					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	**59.5469**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.8537**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.6300e-003	9.9500e-003	0.1061	3.9000e-004	0.0335	2.3000e-004	0.0338	8.8900e-003	2.1000e-004	9.1100e-003		27.2804	27.2804	1.2100e-003		27.3058
Total	**7.6300e-003**	**9.9500e-003**	**0.1061**	**3.9000e-004**	**0.0335**	**2.3000e-004**	**0.0338**	**8.8900e-003**	**2.1000e-004**	**9.1100e-003**		**27.2804**	**27.2804**	**1.2100e-003**		**27.3058**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	59.3280					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	**59.5469**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.8537**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.6300e-003	9.9500e-003	0.1061	3.9000e-004	0.0335	2.3000e-004	0.0338	8.8900e-003	2.1000e-004	9.1100e-003		27.2804	27.2804	1.2100e-003		27.3058
Total	**7.6300e-003**	**9.9500e-003**	**0.1061**	**3.9000e-004**	**0.0335**	**2.3000e-004**	**0.0338**	**8.8900e-003**	**2.1000e-004**	**9.1100e-003**		**27.2804**	**27.2804**	**1.2100e-003**		**27.3058**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.1680	4.3113	21.5885	0.0758	5.6160	0.0774	5.6934	1.4987	0.0715	1.5701		5,640.4607	5,640.4607	0.1970		5,644.5979
Unmitigated	2.1680	4.3113	21.5885	0.0758	5.6160	0.0774	5.6934	1.4987	0.0715	1.5701		5,640.4607	5,640.4607	0.1970		5,644.5979

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Junior College (2Yr)	879.68	359.36	38.72	2,069,584	2,069,584
Total	879.68	359.36	38.72	2,069,584	2,069,584

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
NaturalGas Unmitigated	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1390.47	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
Total		**0.0150**	**0.1363**	**0.1145**	**8.2000e-004**		**0.0104**	**0.0104**		**0.0104**	**0.0104**		**163.5842**	**163.5842**	**3.1400e-003**	**3.0000e-003**	**164.5798**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1.39047	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
Total		**0.0150**	**0.1363**	**0.1145**	**8.2000e-004**		**0.0104**	**0.0104**		**0.0104**	**0.0104**		**163.5842**	**163.5842**	**3.1400e-003**	**3.0000e-003**	**164.5798**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003

Unmitigated	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2032					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6336					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Total	**0.8371**	**3.0000e-005**	**3.2700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**7.0000e-003**	**7.0000e-003**	**2.0000e-005**		**7.3900e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2032					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6336					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Total	**0.8371**	**3.0000e-005**	**3.2700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**7.0000e-003**	**7.0000e-003**	**2.0000e-005**		**7.3900e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Unscheduled Phase - Demolition

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	99.67	1000sqft	2.29	99,672.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Demolition -

Architectural Coating - Would only include parking lot striping

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	49,836.00	3,627.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	149,508.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2024

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0386	0.2745	0.3441	6.5000e-004	0.0781	0.0124	0.0905	0.0197	0.0115	0.0312	0.0000	55.2471	55.2471	0.0109	0.0000	55.4761
Total	**0.0386**	**0.2745**	**0.3441**	**6.5000e-004**	**0.0781**	**0.0124**	**0.0905**	**0.0197**	**0.0115**	**0.0312**	**0.0000**	**55.2471**	**55.2471**	**0.0109**	**0.0000**	**55.4761**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0386	0.2745	0.3441	6.5000e-004	0.0348	0.0124	0.0471	8.8400e-003	0.0115	0.0203	0.0000	55.2471	55.2471	0.0109	0.0000	55.4761
Total	**0.0386**	**0.2745**	**0.3441**	**6.5000e-004**	**0.0348**	**0.0124**	**0.0471**	**8.8400e-003**	**0.0115**	**0.0203**	**0.0000**	**55.2471**	**55.2471**	**0.0109**	**0.0000**	**55.4761**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**55.50**	**0.00**	**47.92**	**55.10**	**0.00**	**34.79**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4758	1.0000e-005	1.2700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4700e-003	2.4700e-003	1.0000e-005	0.0000	2.6100e-003
Energy	8.5200e-003	0.0775	0.0651	4.6000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003	0.0000	485.1031	485.1031	0.0200	5.3600e-003	487.1848
Mobile	0.8401	1.6945	8.7901	0.0339	2.4365	0.0349	2.4714	0.6512	0.0323	0.6835	0.0000	2,244.3017	2,244.3017	0.0734	0.0000	2,245.8420
Waste						0.0000	0.0000		0.0000	0.0000	26.3015	0.0000	26.3015	1.5544	0.0000	58.9434
Water						0.0000	0.0000		0.0000	0.0000	1.5510	42.5267	44.0777	0.1613	4.1700e-003	48.7554
Total	**1.3244**	**1.7720**	**8.8565**	**0.0344**	**2.4365**	**0.0408**	**2.4773**	**0.6512**	**0.0382**	**0.6894**	**27.8525**	**2,771.9340**	**2,799.7865**	**1.8090**	**9.5300e-003**	**2,840.7283**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4758	1.0000e-005	1.2700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4700e-003	2.4700e-003	1.0000e-005	0.0000	2.6100e-003
Energy	8.5200e-003	0.0775	0.0651	4.6000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003	0.0000	485.1031	485.1031	0.0200	5.3600e-003	487.1848
Mobile	0.8401	1.6945	8.7901	0.0339	2.4365	0.0349	2.4714	0.6512	0.0323	0.6835	0.0000	2,244.3017	2,244.3017	0.0734	0.0000	2,245.8420
Waste						0.0000	0.0000		0.0000	0.0000	26.3015	0.0000	26.3015	1.5544	0.0000	58.9434
Water						0.0000	0.0000		0.0000	0.0000	1.5510	42.5267	44.0777	0.1612	4.1600e-003	48.7530

Total	**1.3244**	**1.7720**	**8.8565**	**0.0344**	**2.4365**	**0.0408**	**2.4773**	**0.6512**	**0.0382**	**0.6894**	**27.8525**	**2,771.9340**	**2,799.7865**	**1.8090**	**9.5200e-003**	**2,840.7259**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.10**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2024	6/28/2024	5	20	
2	Site Preparation	Site Preparation	6/29/2024	7/3/2024	5	3	
3	Grading	Grading	7/4/2024	7/11/2024	5	6	
4	Paving	Paving	7/12/2024	7/25/2024	5	10	
5	Architectural Coating	Architectural Coating	7/26/2024	8/8/2024	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 3,627 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Rubber Tired Dozers	1	8.00	255	0.40

Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Graders	1	8.00	174	0.41
Paving	Paving Equipment	1	8.00	130	0.36
Site Preparation	Scrapers	1	8.00	361	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	453.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.0491	0.0000	0.0491	7.4300e-003	0.0000	7.4300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1401	0.1658	2.5000e-004		6.3800e-003	6.3800e-003		5.9600e-003	5.9600e-003	0.0000	21.4130	21.4130	5.4400e-003	0.0000	21.5273
Total	**0.0149**	**0.1401**	**0.1658**	**2.5000e-004**	**0.0491**	**6.3800e-003**	**0.0554**	**7.4300e-003**	**5.9600e-003**	**0.0134**	**0.0000**	**21.4130**	**21.4130**	**5.4400e-003**	**0.0000**	**21.5273**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1700e-003	0.0267	0.0411	1.6000e-004	3.8900e-003	8.3000e-004	4.7200e-003	1.0700e-003	7.7000e-004	1.8300e-003	0.0000	14.0425	14.0425	1.0000e-004	0.0000	14.0446
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	3.8000e-004	4.0000e-003	2.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0401	1.0401	4.0000e-005	0.0000	1.0410
Total	**3.4400e-003**	**0.0270**	**0.0451**	**1.8000e-004**	**5.3200e-003**	**8.4000e-004**	**6.1600e-003**	**1.4500e-003**	**7.8000e-004**	**2.2200e-003**	**0.0000**	**15.0826**	**15.0826**	**1.4000e-004**	**0.0000**	**15.0856**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0191	0.0000	0.0191	2.9000e-003	0.0000	2.9000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1401	0.1658	2.5000e-004		6.3800e-003	6.3800e-003		5.9600e-003	5.9600e-003	0.0000	21.4130	21.4130	5.4400e-003	0.0000	21.5273
Total	**0.0149**	**0.1401**	**0.1658**	**2.5000e-004**	**0.0191**	**6.3800e-003**	**0.0255**	**2.9000e-003**	**5.9600e-003**	**8.8600e-003**	**0.0000**	**21.4130**	**21.4130**	**5.4400e-003**	**0.0000**	**21.5273**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1700e-003	0.0267	0.0411	1.6000e-004	3.8900e-003	8.3000e-004	4.7200e-003	1.0700e-003	7.7000e-004	1.8300e-003	0.0000	14.0425	14.0425	1.0000e-004	0.0000	14.0446
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	3.8000e-004	4.0000e-003	2.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.0401	1.0401	4.0000e-005	0.0000	1.0410
Total	**3.4400e-003**	**0.0270**	**0.0451**	**1.8000e-004**	**5.3200e-003**	**8.4000e-004**	**6.1600e-003**	**1.4500e-003**	**7.8000e-004**	**2.2200e-003**	**0.0000**	**15.0826**	**15.0826**	**1.4000e-004**	**0.0000**	**15.0856**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0000e-003	0.0193	0.0182	4.0000e-005		8.7000e-004	8.7000e-004		8.0000e-004	8.0000e-004	0.0000	3.1450	3.1450	1.0200e-003	0.0000	3.1664
Total	**2.0000e-003**	**0.0193**	**0.0182**	**4.0000e-005**	**2.3900e-003**	**8.7000e-004**	**3.2600e-003**	**2.6000e-004**	**8.0000e-004**	**1.0600e-003**	**0.0000**	**3.1450**	**3.1450**	**1.0200e-003**	**0.0000**	**3.1664**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	3.7000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.0960	0.0960	0.0000	0.0000	0.0961
Total	**2.0000e-005**	**3.0000e-005**	**3.7000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**3.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.0960**	**0.0960**	**0.0000**	**0.0000**	**0.0961**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.3000e-004	0.0000	9.3000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0000e-003	0.0193	0.0182	4.0000e-005		8.7000e-004	8.7000e-004		8.0000e-004	8.0000e-004	0.0000	3.1450	3.1450	1.0200e-003	0.0000	3.1664
Total	**2.0000e-003**	**0.0193**	**0.0182**	**4.0000e-005**	**9.3000e-004**	**8.7000e-004**	**1.8000e-003**	**1.0000e-004**	**8.0000e-004**	**9.0000e-004**	**0.0000**	**3.1450**	**3.1450**	**1.0200e-003**	**0.0000**	**3.1664**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	3.7000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	4.0000e-005	0.0000	0.0960	0.0960	0.0000	0.0000	0.0961

Total	**2.0000e-005**	**3.0000e-005**	**3.7000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**3.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.0960**	**0.0960**	**0.0000**	**0.0000**	**0.0961**

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0197	0.0000	0.0197	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3800e-003	0.0414	0.0434	6.0000e-005		2.0000e-003	2.0000e-003		1.8400e-003	1.8400e-003	0.0000	5.4229	5.4229	1.7500e-003	0.0000	5.4597
Total	**4.3800e-003**	**0.0414**	**0.0434**	**6.0000e-005**	**0.0197**	**2.0000e-003**	**0.0217**	**0.0101**	**1.8400e-003**	**0.0119**	**0.0000**	**5.4229**	**5.4229**	**1.7500e-003**	**0.0000**	**5.4597**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	9.0000e-005	9.2000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2400	0.2400	1.0000e-005	0.0000	0.2402
Total	**6.0000e-005**	**9.0000e-005**	**9.2000e-004**	**0.0000**	**3.3000e-004**	**0.0000**	**3.3000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2400**	**0.2400**	**1.0000e-005**	**0.0000**	**0.2402**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.6700e-003	0.0000	7.6700e-003	3.9400e-003	0.0000	3.9400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3800e-003	0.0414	0.0434	6.0000e-005		2.0000e-003	2.0000e-003		1.8400e-003	1.8400e-003	0.0000	5.4229	5.4229	1.7500e-003	0.0000	5.4597
Total	**4.3800e-003**	**0.0414**	**0.0434**	**6.0000e-005**	**7.6700e-003**	**2.0000e-003**	**9.6700e-003**	**3.9400e-003**	**1.8400e-003**	**5.7800e-003**	**0.0000**	**5.4229**	**5.4229**	**1.7500e-003**	**0.0000**	**5.4597**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	9.0000e-005	9.2000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2400	0.2400	1.0000e-005	0.0000	0.2402
Total	**6.0000e-005**	**9.0000e-005**	**9.2000e-004**	**0.0000**	**3.3000e-004**	**0.0000**	**3.3000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.2400**	**0.2400**	**1.0000e-005**	**0.0000**	**0.2402**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	4.1600e-003	0.0401	0.0578	9.0000e-005		1.9600e-003	1.9600e-003		1.8100e-003	1.8100e-003	0.0000	7.6508	7.6508	2.4200e-003	0.0000	7.7017
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.1600e-003**	**0.0401**	**0.0578**	**9.0000e-005**		**1.9600e-003**	**1.9600e-003**		**1.8100e-003**	**1.8100e-003**	**0.0000**	**7.6508**	**7.6508**	**2.4200e-003**	**0.0000**	**7.7017**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	2.2000e-004	2.3100e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6001	0.6001	2.0000e-005	0.0000	0.6006
Total	**1.5000e-004**	**2.2000e-004**	**2.3100e-003**	**1.0000e-005**	**8.2000e-004**	**1.0000e-005**	**8.3000e-004**	**2.2000e-004**	**1.0000e-005**	**2.2000e-004**	**0.0000**	**0.6001**	**0.6001**	**2.0000e-005**	**0.0000**	**0.6006**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.1600e-003	0.0401	0.0578	9.0000e-005		1.9600e-003	1.9600e-003		1.8100e-003	1.8100e-003	0.0000	7.6508	7.6508	2.4200e-003	0.0000	7.7017
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.1600e-003**	**0.0401**	**0.0578**	**9.0000e-005**		**1.9600e-003**	**1.9600e-003**		**1.8100e-003**	**1.8100e-003**	**0.0000**	**7.6508**	**7.6508**	**2.4200e-003**	**0.0000**	**7.7017**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	2.2000e-004	2.3100e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6001	0.6001	2.0000e-005	0.0000	0.6006
Total	**1.5000e-004**	**2.2000e-004**	**2.3100e-003**	**1.0000e-005**	**8.2000e-004**	**1.0000e-005**	**8.3000e-004**	**2.2000e-004**	**1.0000e-005**	**2.2000e-004**	**0.0000**	**0.6001**	**0.6001**	**2.0000e-005**	**0.0000**	**0.6006**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	8.4100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-004	6.0900e-003	9.0500e-003	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2781
Total	**9.3100e-003**	**6.0900e-003**	**9.0500e-003**	**1.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2781**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	1.2000e-004	1.2300e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3200	0.3200	1.0000e-005	0.0000	0.3203
Total	**8.0000e-005**	**1.2000e-004**	**1.2300e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3200**	**0.3200**	**1.0000e-005**	**0.0000**	**0.3203**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	8.4100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.0000e-004	6.0900e-003	9.0500e-003	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2781
Total	**9.3100e-003**	**6.0900e-003**	**9.0500e-003**	**1.0000e-005**		**3.0000e-004**	**3.0000e-004**		**3.0000e-004**	**3.0000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2781**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	1.2000e-004	1.2300e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3200	0.3200	1.0000e-005	0.0000	0.3203

Total	**8.0000e-005**	**1.2000e-004**	**1.2300e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3200**	**0.3200**	**1.0000e-005**	**0.0000**	**0.3203**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.8401	1.6945	8.7901	0.0339	2.4365	0.0349	2.4714	0.6512	0.0323	0.6835	0.0000	2,244.3017	2,244.3017	0.0734	0.0000	2,245.8420
Unmitigated	0.8401	1.6945	8.7901	0.0339	2.4365	0.0349	2.4714	0.6512	0.0323	0.6835	0.0000	2,244.3017	2,244.3017	0.0734	0.0000	2,245.8420

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	2,739.98	1,119.32	120.60	6,446,237	6,446,237
Total	2,739.98	1,119.32	120.60	6,446,237	6,446,237

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.501871	0.056875	0.196091	0.152579	0.042282	0.006031	0.016253	0.017122	0.001469	0.002194	0.004230	0.000489	0.002515

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	400.7457	400.7457	0.0184	3.8100e-003	402.3140
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	400.7457	400.7457	0.0184	3.8100e-003	402.3140
NaturalGas Mitigated	8.5200e-003	0.0775	0.0651	4.6000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003	0.0000	84.3574	84.3574	1.6200e-003	1.5500e-003	84.8708
NaturalGas Unmitigated	8.5200e-003	0.0775	0.0651	4.6000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003	0.0000	84.3574	84.3574	1.6200e-003	1.5500e-003	84.8708

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	1.5808e+006	8.5200e-003	0.0775	0.0651	4.6000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003	0.0000	84.3574	84.3574	1.6200e-003	1.5500e-003	84.8708
Total		**8.5200e-003**	**0.0775**	**0.0651**	**4.6000e-004**		**5.8900e-003**	**5.8900e-003**		**5.8900e-003**	**5.8900e-003**	**0.0000**	**84.3574**	**84.3574**	**1.6200e-003**	**1.5500e-003**	**84.8708**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	1.5808e+006	8.5200e-003	0.0775	0.0651	4.6000e-004		5.8900e-003	5.8900e-003		5.8900e-003	5.8900e-003	0.0000	84.3574	84.3574	1.6200e-003	1.5500e-003	84.8708
Total		**8.5200e-003**	**0.0775**	**0.0651**	**4.6000e-004**		**5.8900e-003**	**5.8900e-003**		**5.8900e-003**	**5.8900e-003**	**0.0000**	**84.3574**	**84.3574**	**1.6200e-003**	**1.5500e-003**	**84.8708**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	1.40039e+006	400.7457	0.0184	3.8100e-003	402.3140
Total		**400.7457**	**0.0184**	**3.8100e-003**	**402.3140**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e

Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	1.40039e+006	400.7457	0.0184	3.8100e-003	402.3140
Total		**400.7457**	**0.0184**	**3.8100e-003**	**402.3140**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4758	1.0000e-005	1.2700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4700e-003	2.4700e-003	1.0000e-005	0.0000	2.6100e-003
Unmitigated	0.4758	1.0000e-005	1.2700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4700e-003	2.4700e-003	1.0000e-005	0.0000	2.6100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1155					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3602					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Landscaping	1.2000e-004	1.0000e-005	1.2700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4700e-003	2.4700e-003	1.0000e-005	0.0000	2.6100e-003
Total	**0.4758**	**1.0000e-005**	**1.2700e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.4700e-003**	**2.4700e-003**	**1.0000e-005**	**0.0000**	**2.6100e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1155					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3602					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	1.2700e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.4700e-003	2.4700e-003	1.0000e-005	0.0000	2.6100e-003
Total	**0.4758**	**1.0000e-005**	**1.2700e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.4700e-003**	**2.4700e-003**	**1.0000e-005**	**0.0000**	**2.6100e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	44.0777	0.1612	4.1600e-003	48.7530
Unmitigated	44.0777	0.1613	4.1700e-003	48.7554

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	4.88872 / 7.64645	44.0777	0.1613	4.1700e-003	48.7554
Total		**44.0777**	**0.1613**	**4.1700e-003**	**48.7554**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	4.88872 / 7.64645	44.0777	0.1612	4.1600e-003	48.7530
Total		**44.0777**	**0.1612**	**4.1600e-003**	**48.7530**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	26.3015	1.5544	0.0000	58.9434
Unmitigated	26.3015	1.5544	0.0000	58.9434

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	129.57	26.3015	1.5544	0.0000	58.9434
Total		**26.3015**	**1.5544**	**0.0000**	**58.9434**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	129.57	26.3015	1.5544	0.0000	58.9434
Total		**26.3015**	**1.5544**	**0.0000**	**58.9434**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Unscheduled Phase - Demolition

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	99.67	1000sqft	2.29	99,672.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Demolition -

Architectural Coating - Would only include parking lot striping

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	49,836.00	3,627.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	149,508.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2024

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.8787	16.5798	20.6160	0.0428	6.6641	0.7221	7.3316	3.3971	0.6732	4.0112	0.0000	4,029.1732	4,029.1732	0.7504	0.0000	4,044.9309
Total	**1.8787**	**16.5798**	**20.6160**	**0.0428**	**6.6641**	**0.7221**	**7.3316**	**3.3971**	**0.6732**	**4.0112**	**0.0000**	**4,029.1732**	**4,029.1732**	**0.7504**	**0.0000**	**4,044.9309**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.8787	16.5798	20.6160	0.0428	2.6672	0.7221	3.3347	1.3430	0.6732	1.9571	0.0000	4,029.1732	4,029.1732	0.7504	0.0000	4,044.9309
Total	**1.8787**	**16.5798**	**20.6160**	**0.0428**	**2.6672**	**0.7221**	**3.3347**	**1.3430**	**0.6732**	**1.9571**	**0.0000**	**4,029.1732**	**4,029.1732**	**0.7504**	**0.0000**	**4,044.9309**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**59.98**	**0.00**	**54.52**	**60.47**	**0.00**	**51.21**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.6073	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0218	0.0218	6.0000e-005		0.0230
Energy	0.0467	0.4246	0.3567	2.5500e-003		0.0323	0.0323		0.0323	0.0323		509.5239	509.5239	9.7700e-003	9.3400e-003	512.6248
Mobile	5.9646	11.0989	61.9800	0.2477	17.4954	0.2465	17.7419	4.6692	0.2277	4.8968		18,026.4751	18,026.4751	0.5708		18,038.4614
Total	**8.6186**	**11.5236**	**62.3468**	**0.2503**	**17.4954**	**0.2788**	**17.7742**	**4.6692**	**0.2600**	**4.9292**		**18,536.0208**	**18,536.0208**	**0.5806**	**9.3400e-003**	**18,551.1092**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.6073	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0218	0.0218	6.0000e-005		0.0230
Energy	0.0467	0.4246	0.3567	2.5500e-003		0.0323	0.0323		0.0323	0.0323		509.5239	509.5239	9.7700e-003	9.3400e-003	512.6248
Mobile	5.9646	11.0989	61.9800	0.2477	17.4954	0.2465	17.7419	4.6692	0.2277	4.8968		18,026.4751	18,026.4751	0.5708		18,038.4614
Total	**8.6186**	**11.5236**	**62.3468**	**0.2503**	**17.4954**	**0.2788**	**17.7742**	**4.6692**	**0.2600**	**4.9292**		**18,536.0208**	**18,536.0208**	**0.5806**	**9.3400e-003**	**18,551.1092**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2024	6/28/2024	5	20	
2	Site Preparation	Site Preparation	6/29/2024	7/3/2024	5	3	
3	Grading	Grading	7/4/2024	7/11/2024	5	6	
4	Paving	Paving	7/12/2024	7/25/2024	5	10	
5	Architectural Coating	Architectural Coating	7/26/2024	8/8/2024	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 3,627 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Grading	Graders	1	8.00	174	0.41
Paving	Paving Equipment	1	8.00	130	0.36
Site Preparation	Scrapers	1	8.00	361	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	453.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9056	0.0000	4.9056	0.7428	0.0000	0.7428			0.0000			0.0000
Off-Road	1.4940	14.0097	16.5767	0.0245		0.6379	0.6379		0.5957	0.5957		2,360.3808	2,360.3808	0.5999		2,372.9782
Total	**1.4940**	**14.0097**	**16.5767**	**0.0245**	**4.9056**	**0.6379**	**5.5436**	**0.7428**	**0.5957**	**1.3385**		**2,360.3808**	**2,360.3808**	**0.5999**		**2,372.9782**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3084	2.5368	3.6183	0.0165	0.3948	0.0832	0.4780	0.1081	0.0765	0.1847		1,549.4854	1,549.4854	0.0109		1,549.7150
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0274	0.0333	0.4209	1.7700e-003	0.1453	1.0300e-003	0.1463	0.0385	9.5000e-004	0.0395		119.3069	119.3069	4.6900e-003		119.4055
Total	**0.3357**	**2.5701**	**4.0393**	**0.0182**	**0.5401**	**0.0842**	**0.6243**	**0.1467**	**0.0775**	**0.2242**		**1,668.7923**	**1,668.7923**	**0.0156**		**1,669.1204**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9132	0.0000	1.9132	0.2897	0.0000	0.2897			0.0000			0.0000
Off-Road	1.4940	14.0097	16.5767	0.0245		0.6379	0.6379		0.5957	0.5957	0.0000	2,360.3808	2,360.3808	0.5999		2,372.9782
Total	**1.4940**	**14.0097**	**16.5767**	**0.0245**	**1.9132**	**0.6379**	**2.5511**	**0.2897**	**0.5957**	**0.8854**	**0.0000**	**2,360.3808**	**2,360.3808**	**0.5999**		**2,372.9782**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.3084	2.5368	3.6183	0.0165	0.3948	0.0832	0.4780	0.1081	0.0765	0.1847		1,549.4854	1,549.4854	0.0109		1,549.7150
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0274	0.0333	0.4209	1.7700e-003	0.1453	1.0300e-003	0.1463	0.0385	9.5000e-004	0.0395		119.3069	119.3069	4.6900e-003		119.4055
Total	**0.3357**	**2.5701**	**4.0393**	**0.0182**	**0.5401**	**0.0842**	**0.6243**	**0.1467**	**0.0775**	**0.2242**		**1,668.7923**	**1,668.7923**	**0.0156**		**1,669.1204**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3314	12.8662	12.1443	0.0239		0.5798	0.5798		0.5334	0.5334		2,311.1810	2,311.1810	0.7475		2,326.8781
Total	**1.3314**	**12.8662**	**12.1443**	**0.0239**	**1.5908**	**0.5798**	**2.1705**	**0.1718**	**0.5334**	**0.7052**		**2,311.1810**	**2,311.1810**	**0.7475**		**2,326.8781**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0168	0.0205	0.2590	1.0900e-003	0.0894	6.3000e-004	0.0901	0.0237	5.9000e-004	0.0243		73.4196	73.4196	2.8900e-003		73.4803

Total	**0.0168**	**0.0205**	**0.2590**	**1.0900e-003**	**0.0894**	**6.3000e-004**	**0.0901**	**0.0237**	**5.9000e-004**	**0.0243**		**73.4196**	**73.4196**	**2.8900e-003**		**73.4803**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6204	0.0000	0.6204	0.0670	0.0000	0.0670			0.0000			0.0000
Off-Road	1.3314	12.8662	12.1443	0.0239		0.5798	0.5798		0.5334	0.5334	0.0000	2,311.1810	2,311.1810	0.7475		2,326.8781
Total	**1.3314**	**12.8662**	**12.1443**	**0.0239**	**0.6204**	**0.5798**	**1.2002**	**0.0670**	**0.5334**	**0.6004**	**0.0000**	**2,311.1810**	**2,311.1810**	**0.7475**		**2,326.8781**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0168	0.0205	0.2590	1.0900e-003	0.0894	6.3000e-004	0.0901	0.0237	5.9000e-004	0.0243		73.4196	73.4196	2.8900e-003		73.4803
Total	**0.0168**	**0.0205**	**0.2590**	**1.0900e-003**	**0.0894**	**6.3000e-004**	**0.0901**	**0.0237**	**5.9000e-004**	**0.0243**		**73.4196**	**73.4196**	**2.8900e-003**		**73.4803**

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.4590	13.8142	14.4509	0.0206		0.6667	0.6667		0.6134	0.6134		1,992.5628	1,992.5628	0.6444		2,006.0960
Total	**1.4590**	**13.8142**	**14.4509**	**0.0206**	**6.5523**	**0.6667**	**7.2191**	**3.3675**	**0.6134**	**3.9809**		**1,992.5628**	**1,992.5628**	**0.6444**		**2,006.0960**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0210	0.0256	0.3238	1.3600e-003	0.1118	7.9000e-004	0.1126	0.0296	7.3000e-004	0.0304		91.7745	91.7745	3.6100e-003		91.8504
Total	**0.0210**	**0.0256**	**0.3238**	**1.3600e-003**	**0.1118**	**7.9000e-004**	**0.1126**	**0.0296**	**7.3000e-004**	**0.0304**		**91.7745**	**91.7745**	**3.6100e-003**		**91.8504**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.4590	13.8142	14.4509	0.0206		0.6667	0.6667		0.6134	0.6134	0.0000	1,992.5628	1,992.5628	0.6444		2,006.0960
Total	**1.4590**	**13.8142**	**14.4509**	**0.0206**	**2.5554**	**0.6667**	**3.2221**	**1.3133**	**0.6134**	**1.9267**	**0.0000**	**1,992.5628**	**1,992.5628**	**0.6444**		**2,006.0960**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0210	0.0256	0.3238	1.3600e-003	0.1118	7.9000e-004	0.1126	0.0296	7.3000e-004	0.0304		91.7745	91.7745	3.6100e-003		91.8504
Total	**0.0210**	**0.0256**	**0.3238**	**1.3600e-003**	**0.1118**	**7.9000e-004**	**0.1126**	**0.0296**	**7.3000e-004**	**0.0304**		**91.7745**	**91.7745**	**3.6100e-003**		**91.8504**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8329	8.0134	11.5567	0.0176		0.3915	0.3915		0.3613	0.3613		1,686.7194	1,686.7194	0.5344		1,697.9423
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8329**	**8.0134**	**11.5567**	**0.0176**		**0.3915**	**0.3915**		**0.3613**	**0.3613**		**1,686.7194**	**1,686.7194**	**0.5344**		**1,697.9423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0316	0.0384	0.4857	2.0500e-003	0.1677	1.1800e-003	0.1689	0.0445	1.1000e-003	0.0456		137.6618	137.6618	5.4200e-003		137.7755
Total	**0.0316**	**0.0384**	**0.4857**	**2.0500e-003**	**0.1677**	**1.1800e-003**	**0.1689**	**0.0445**	**1.1000e-003**	**0.0456**		**137.6618**	**137.6618**	**5.4200e-003**		**137.7755**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8329	8.0134	11.5567	0.0176		0.3915	0.3915		0.3613	0.3613	0.0000	1,686.7194	1,686.7194	0.5344		1,697.9423
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8329**	**8.0134**	**11.5567**	**0.0176**		**0.3915**	**0.3915**		**0.3613**	**0.3613**	**0.0000**	**1,686.7194**	**1,686.7194**	**0.5344**		**1,697.9423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0316	0.0384	0.4857	2.0500e-003	0.1677	1.1800e-003	0.1689	0.0445	1.1000e-003	0.0456		137.6618	137.6618	5.4200e-003		137.7755
Total	**0.0316**	**0.0384**	**0.4857**	**2.0500e-003**	**0.1677**	**1.1800e-003**	**0.1689**	**0.0445**	**1.1000e-003**	**0.0456**		**137.6618**	**137.6618**	**5.4200e-003**		**137.7755**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809
Total	**1.8619**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.7809**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0168	0.0205	0.2590	1.0900e-003	0.0894	6.3000e-004	0.0901	0.0237	5.9000e-004	0.0243		73.4196	73.4196	2.8900e-003		73.4803

Total	**0.0168**	**0.0205**	**0.2590**	**1.0900e-003**	**0.0894**	**6.3000e-004**	**0.0901**	**0.0237**	**5.9000e-004**	**0.0243**		**73.4196**	**73.4196**	**2.8900e-003**		**73.4803**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.7809
Total	**1.8619**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.7809**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0168	0.0205	0.2590	1.0900e-003	0.0894	6.3000e-004	0.0901	0.0237	5.9000e-004	0.0243		73.4196	73.4196	2.8900e-003		73.4803
Total	**0.0168**	**0.0205**	**0.2590**	**1.0900e-003**	**0.0894**	**6.3000e-004**	**0.0901**	**0.0237**	**5.9000e-004**	**0.0243**		**73.4196**	**73.4196**	**2.8900e-003**		**73.4803**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.9646	11.0989	61.9800	0.2477	17.4954	0.2465	17.7419	4.6692	0.2277	4.8968		18,026.4751	18,026.4751	0.5708		18,038.4614
Unmitigated	5.9646	11.0989	61.9800	0.2477	17.4954	0.2465	17.7419	4.6692	0.2277	4.8968		18,026.4751	18,026.4751	0.5708		18,038.4614

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	2,739.98	1,119.32	120.60	6,446,237	6,446,237
Total	2,739.98	1,119.32	120.60	6,446,237	6,446,237

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.501871	0.056875	0.196091	0.152579	0.042282	0.006031	0.016253	0.017122	0.001469	0.002194	0.004230	0.000489	0.002515

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0467	0.4246	0.3567	2.5500e-003		0.0323	0.0323		0.0323	0.0323		509.5239	509.5239	9.7700e-003	9.3400e-003	512.6248
NaturalGas Unmitigated	0.0467	0.4246	0.3567	2.5500e-003		0.0323	0.0323		0.0323	0.0323		509.5239	509.5239	9.7700e-003	9.3400e-003	512.6248

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4330.95	0.0467	0.4246	0.3567	2.5500e-003		0.0323	0.0323		0.0323	0.0323		509.5239	509.5239	9.7700e-003	9.3400e-003	512.6248
Total		**0.0467**	**0.4246**	**0.3567**	**2.5500e-003**		**0.0323**	**0.0323**		**0.0323**	**0.0323**		**509.5239**	**509.5239**	**9.7700e-003**	**9.3400e-003**	**512.6248**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4.33095	0.0467	0.4246	0.3567	2.5500e-003		0.0323	0.0323		0.0323	0.0323		509.5239	509.5239	9.7700e-003	9.3400e-003	512.6248

Total		**0.0467**	**0.4246**	**0.3567**	**2.5500e-003**		**0.0323**	**0.0323**		**0.0323**	**0.0323**		**509.5239**	**509.5239**	**9.7700e-003**	**9.3400e-003**	**512.6248**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.6073	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0218	0.0218	6.0000e-005		0.0230
Unmitigated	2.6073	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0218	0.0218	6.0000e-005		0.0230

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6329					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4000e-004	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0218	0.0218	6.0000e-005		0.0230
Total	**2.6073**	**9.0000e-005**	**0.0102**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0218**	**0.0218**	**6.0000e-005**		**0.0230**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Consumer Products	1.9735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4000e-004	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0218	0.0218	6.0000e-005		0.0230
Architectural Coating	0.6329					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.6073**	**9.0000e-005**	**0.0102**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0218**	**0.0218**	**6.0000e-005**		**0.0230**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Unscheduled Phase - Demolition

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	99.67	1000sqft	2.29	99,672.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Demolition -

Architectural Coating - Would only include parking lot striping

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	49,836.00	3,627.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	149,508.00	0.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2024

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.8795	16.6653	21.2323	0.0426	6.6641	0.7223	7.3316	3.3971	0.6734	4.0112	0.0000	4,019.0781	4,019.0781	0.7504	0.0000	4,034.8359
Total	**1.8795**	**16.6653**	**21.2323**	**0.0426**	**6.6641**	**0.7223**	**7.3316**	**3.3971**	**0.6734**	**4.0112**	**0.0000**	**4,019.0781**	**4,019.0781**	**0.7504**	**0.0000**	**4,034.8359**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.8795	16.6653	21.2323	0.0426	2.6672	0.7223	3.3347	1.3430	0.6734	1.9571	0.0000	4,019.0781	4,019.0781	0.7504	0.0000	4,034.8359
Total	**1.8795**	**16.6653**	**21.2323**	**0.0426**	**2.6672**	**0.7223**	**3.3347**	**1.3430**	**0.6734**	**1.9571**	**0.0000**	**4,019.0781**	**4,019.0781**	**0.7504**	**0.0000**	**4,034.8359**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**59.98**	**0.00**	**54.52**	**60.47**	**0.00**	**51.21**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.6073	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0218	0.0218	6.0000e-005		0.0230
Energy	0.0467	0.4246	0.3567	2.5500e-003		0.0323	0.0323		0.0323	0.0323		509.5239	509.5239	9.7700e-003	9.3400e-003	512.6248
Mobile	6.2878	11.7229	61.7383	0.2366	17.4954	0.2472	17.7426	4.6692	0.2283	4.8975		17,259.6531	17,259.6531	0.5713		17,271.6509
Total	**8.9418**	**12.1476**	**62.1051**	**0.2391**	**17.4954**	**0.2795**	**17.7749**	**4.6692**	**0.2606**	**4.9298**		**17,769.1989**	**17,769.1989**	**0.5812**	**9.3400e-003**	**17,784.2987**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.6073	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0218	0.0218	6.0000e-005		0.0230
Energy	0.0467	0.4246	0.3567	2.5500e-003		0.0323	0.0323		0.0323	0.0323		509.5239	509.5239	9.7700e-003	9.3400e-003	512.6248
Mobile	6.2878	11.7229	61.7383	0.2366	17.4954	0.2472	17.7426	4.6692	0.2283	4.8975		17,259.6531	17,259.6531	0.5713		17,271.6509
Total	**8.9418**	**12.1476**	**62.1051**	**0.2391**	**17.4954**	**0.2795**	**17.7749**	**4.6692**	**0.2606**	**4.9298**		**17,769.1989**	**17,769.1989**	**0.5812**	**9.3400e-003**	**17,784.2987**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2024	6/28/2024	5	20	
2	Site Preparation	Site Preparation	6/29/2024	7/3/2024	5	3	
3	Grading	Grading	7/4/2024	7/11/2024	5	6	
4	Paving	Paving	7/12/2024	7/25/2024	5	10	
5	Architectural Coating	Architectural Coating	7/26/2024	8/8/2024	5	10	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 3,627 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Grading	Graders	1	8.00	174	0.41
Paving	Paving Equipment	1	8.00	130	0.36
Site Preparation	Scrapers	1	8.00	361	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	453.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9056	0.0000	4.9056	0.7428	0.0000	0.7428			0.0000			0.0000
Off-Road	1.4940	14.0097	16.5767	0.0245		0.6379	0.6379		0.5957	0.5957		2,360.3808	2,360.3808	0.5999		2,372.9782
Total	**1.4940**	**14.0097**	**16.5767**	**0.0245**	**4.9056**	**0.6379**	**5.5436**	**0.7428**	**0.5957**	**1.3385**		**2,360.3808**	**2,360.3808**	**0.5999**		**2,372.9782**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3222	2.6191	4.2654	0.0164	0.3948	0.0834	0.4782	0.1081	0.0767	0.1848		1,545.7588	1,545.7588	0.0111		1,545.9924
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0287	0.0366	0.3902	1.6800e-003	0.1453	1.0300e-003	0.1463	0.0385	9.5000e-004	0.0395		112.9385	112.9385	4.6900e-003		113.0371
Total	**0.3509**	**2.6556**	**4.6555**	**0.0181**	**0.5401**	**0.0844**	**0.6245**	**0.1467**	**0.0776**	**0.2243**		**1,658.6973**	**1,658.6973**	**0.0158**		**1,659.0295**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9132	0.0000	1.9132	0.2897	0.0000	0.2897			0.0000			0.0000
Off-Road	1.4940	14.0097	16.5767	0.0245		0.6379	0.6379		0.5957	0.5957	0.0000	2,360.3808	2,360.3808	0.5999		2,372.9782
Total	**1.4940**	**14.0097**	**16.5767**	**0.0245**	**1.9132**	**0.6379**	**2.5511**	**0.2897**	**0.5957**	**0.8854**	**0.0000**	**2,360.3808**	**2,360.3808**	**0.5999**		**2,372.9782**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.3222	2.6191	4.2654	0.0164	0.3948	0.0834	0.4782	0.1081	0.0767	0.1848		1,545.7588	1,545.7588	0.0111		1,545.9924
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0287	0.0366	0.3902	1.6800e-003	0.1453	1.0300e-003	0.1463	0.0385	9.5000e-004	0.0395		112.9385	112.9385	4.6900e-003		113.0371
Total	**0.3509**	**2.6556**	**4.6555**	**0.0181**	**0.5401**	**0.0844**	**0.6245**	**0.1467**	**0.0776**	**0.2243**		**1,658.6973**	**1,658.6973**	**0.0158**		**1,659.0295**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3314	12.8662	12.1443	0.0239		0.5798	0.5798		0.5334	0.5334		2,311.1810	2,311.1810	0.7475		2,326.8781
Total	**1.3314**	**12.8662**	**12.1443**	**0.0239**	**1.5908**	**0.5798**	**2.1705**	**0.1718**	**0.5334**	**0.7052**		**2,311.1810**	**2,311.1810**	**0.7475**		**2,326.8781**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0177	0.0225	0.2401	1.0300e-003	0.0894	6.3000e-004	0.0901	0.0237	5.9000e-004	0.0243		69.5006	69.5006	2.8900e-003		69.5613

Total	**0.0177**	**0.0225**	**0.2401**	**1.0300e-003**	**0.0894**	**6.3000e-004**	**0.0901**	**0.0237**	**5.9000e-004**	**0.0243**		**69.5006**	**69.5006**	**2.8900e-003**		**69.5613**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6204	0.0000	0.6204	0.0670	0.0000	0.0670			0.0000			0.0000
Off-Road	1.3314	12.8662	12.1443	0.0239		0.5798	0.5798		0.5334	0.5334	0.0000	2,311.1810	2,311.1810	0.7475		2,326.8781
Total	**1.3314**	**12.8662**	**12.1443**	**0.0239**	**0.6204**	**0.5798**	**1.2002**	**0.0670**	**0.5334**	**0.6004**	**0.0000**	**2,311.1810**	**2,311.1810**	**0.7475**		**2,326.8781**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0177	0.0225	0.2401	1.0300e-003	0.0894	6.3000e-004	0.0901	0.0237	5.9000e-004	0.0243		69.5006	69.5006	2.8900e-003		69.5613
Total	**0.0177**	**0.0225**	**0.2401**	**1.0300e-003**	**0.0894**	**6.3000e-004**	**0.0901**	**0.0237**	**5.9000e-004**	**0.0243**		**69.5006**	**69.5006**	**2.8900e-003**		**69.5613**

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.4590	13.8142	14.4509	0.0206		0.6667	0.6667		0.6134	0.6134		1,992.5628	1,992.5628	0.6444		2,006.0960
Total	**1.4590**	**13.8142**	**14.4509**	**0.0206**	**6.5523**	**0.6667**	**7.2191**	**3.3675**	**0.6134**	**3.9809**		**1,992.5628**	**1,992.5628**	**0.6444**		**2,006.0960**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0221	0.0281	0.3001	1.2900e-003	0.1118	7.9000e-004	0.1126	0.0296	7.3000e-004	0.0304		86.8758	86.8758	3.6100e-003		86.9516
Total	**0.0221**	**0.0281**	**0.3001**	**1.2900e-003**	**0.1118**	**7.9000e-004**	**0.1126**	**0.0296**	**7.3000e-004**	**0.0304**		**86.8758**	**86.8758**	**3.6100e-003**		**86.9516**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.4590	13.8142	14.4509	0.0206		0.6667	0.6667		0.6134	0.6134	0.0000	1,992.5628	1,992.5628	0.6444		2,006.0960
Total	**1.4590**	**13.8142**	**14.4509**	**0.0206**	**2.5554**	**0.6667**	**3.2221**	**1.3133**	**0.6134**	**1.9267**	**0.0000**	**1,992.5628**	**1,992.5628**	**0.6444**		**2,006.0960**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0221	0.0281	0.3001	1.2900e-003	0.1118	7.9000e-004	0.1126	0.0296	7.3000e-004	0.0304		86.8758	86.8758	3.6100e-003		86.9516
Total	**0.0221**	**0.0281**	**0.3001**	**1.2900e-003**	**0.1118**	**7.9000e-004**	**0.1126**	**0.0296**	**7.3000e-004**	**0.0304**		**86.8758**	**86.8758**	**3.6100e-003**		**86.9516**

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8329	8.0134	11.5567	0.0176		0.3915	0.3915		0.3613	0.3613		1,686.7194	1,686.7194	0.5344		1,697.9423
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8329**	**8.0134**	**11.5567**	**0.0176**		**0.3915**	**0.3915**		**0.3613**	**0.3613**		**1,686.7194**	**1,686.7194**	**0.5344**		**1,697.9423**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0331	0.0422	0.4502	1.9400e-003	0.1677	1.1800e-003	0.1689	0.0445	1.1000e-003	0.0456		130.3137	130.3137	5.4200e-003		130.4274
Total	**0.0331**	**0.0422**	**0.4502**	**1.9400e-003**	**0.1677**	**1.1800e-003**	**0.1689**	**0.0445**	**1.1000e-003**	**0.0456**		**130.3137**	**130.3137**	**5.4200e-003**		**130.4274**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8329	8.0134	11.5567	0.0176		0.3915	0.3915		0.3613	0.3613	0.0000	1,686.7194	1,686.7194	0.5344		1,697.9423
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8329**	**8.0134**	**11.5567**	**0.0176**		**0.3915**	**0.3915**		**0.3613**	**0.3613**	**0.0000**	**1,686.7194**	**1,686.7194**	**0.5344**		**1,697.9423**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0331	0.0422	0.4502	1.9400e-003	0.1677	1.1800e-003	0.1689	0.0445	1.1000e-003	0.0456		130.3137	130.3137	5.4200e-003		130.4274
Total	**0.0331**	**0.0422**	**0.4502**	**1.9400e-003**	**0.1677**	**1.1800e-003**	**0.1689**	**0.0445**	**1.1000e-003**	**0.0456**		**130.3137**	**130.3137**	**5.4200e-003**		**130.4274**

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809
Total	**1.8619**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.7809**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0177	0.0225	0.2401	1.0300e-003	0.0894	6.3000e-004	0.0901	0.0237	5.9000e-004	0.0243		69.5006	69.5006	2.8900e-003		69.5613

Total	**0.0177**	**0.0225**	**0.2401**	**1.0300e-003**	**0.0894**	**6.3000e-004**	**0.0901**	**0.0237**	**5.9000e-004**	**0.0243**		**69.5006**	**69.5006**	**2.8900e-003**		**69.5613**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.6811					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.7809
Total	**1.8619**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.7809**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0177	0.0225	0.2401	1.0300e-003	0.0894	6.3000e-004	0.0901	0.0237	5.9000e-004	0.0243		69.5006	69.5006	2.8900e-003		69.5613
Total	**0.0177**	**0.0225**	**0.2401**	**1.0300e-003**	**0.0894**	**6.3000e-004**	**0.0901**	**0.0237**	**5.9000e-004**	**0.0243**		**69.5006**	**69.5006**	**2.8900e-003**		**69.5613**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.2878	11.7229	61.7383	0.2366	17.4954	0.2472	17.7426	4.6692	0.2283	4.8975		17,259.6531	17,259.6531	0.5713		17,271.6509
Unmitigated	6.2878	11.7229	61.7383	0.2366	17.4954	0.2472	17.7426	4.6692	0.2283	4.8975		17,259.6531	17,259.6531	0.5713		17,271.6509

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	2,739.98	1,119.32	120.60	6,446,237	6,446,237
Total	2,739.98	1,119.32	120.60	6,446,237	6,446,237

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.501871	0.056875	0.196091	0.152579	0.042282	0.006031	0.016253	0.017122	0.001469	0.002194	0.004230	0.000489	0.002515

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0467	0.4246	0.3567	2.5500e-003		0.0323	0.0323		0.0323	0.0323		509.5239	509.5239	9.7700e-003	9.3400e-003	512.6248
NaturalGas Unmitigated	0.0467	0.4246	0.3567	2.5500e-003		0.0323	0.0323		0.0323	0.0323		509.5239	509.5239	9.7700e-003	9.3400e-003	512.6248

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4330.95	0.0467	0.4246	0.3567	2.5500e-003		0.0323	0.0323		0.0323	0.0323		509.5239	509.5239	9.7700e-003	9.3400e-003	512.6248
Total		**0.0467**	**0.4246**	**0.3567**	**2.5500e-003**		**0.0323**	**0.0323**		**0.0323**	**0.0323**		**509.5239**	**509.5239**	**9.7700e-003**	**9.3400e-003**	**512.6248**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4.33095	0.0467	0.4246	0.3567	2.5500e-003		0.0323	0.0323		0.0323	0.0323		509.5239	509.5239	9.7700e-003	9.3400e-003	512.6248

Total		**0.0467**	**0.4246**	**0.3567**	**2.5500e-003**		**0.0323**	**0.0323**		**0.0323**	**0.0323**		**509.5239**	**509.5239**	**9.7700e-003**	**9.3400e-003**	**512.6248**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.6073	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0218	0.0218	6.0000e-005		0.0230
Unmitigated	2.6073	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0218	0.0218	6.0000e-005		0.0230

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6329					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4000e-004	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0218	0.0218	6.0000e-005		0.0230
Total	**2.6073**	**9.0000e-005**	**0.0102**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0218**	**0.0218**	**6.0000e-005**		**0.0230**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Consumer Products	1.9735					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.4000e-004	9.0000e-005	0.0102	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0218	0.0218	6.0000e-005		0.0230
Architectural Coating	0.6329					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.6073**	**9.0000e-005**	**0.0102**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0218**	**0.0218**	**6.0000e-005**		**0.0230**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 3 - Language Arts

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	107.76	1000sqft	0.83	107,760.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Demolition - Demolition of Social and Behavioral Sciences, Virgil D Sessions Lit and Lang Bldg, Writer's Row, Journalism, and 150 Annex

Grading - modified

Architectural Coating - scaqmd rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	10.00	20.00
tblLandUse	LotAcreage	2.47	0.83
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblProjectCharacteristics	OperationalYear	2014	2022
tblTripsAndVMT	HaulingTripNumber	287.00	331.00
tblTripsAndVMT	VendorTripNumber	0.00	18.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.5739	0.6863	0.7334	1.4400e-003	0.0697	0.0365	0.1062	0.0153	0.0338	0.0490	0.0000	117.4771	117.4771	0.0213	0.0000	117.9234
Total	**0.5739**	**0.6863**	**0.7334**	**1.4400e-003**	**0.0697**	**0.0365**	**0.1062**	**0.0153**	**0.0338**	**0.0490**	**0.0000**	**117.4771**	**117.4771**	**0.0213**	**0.0000**	**117.9234**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.5739	0.6863	0.7334	1.4400e-003	0.0502	0.0365	0.0866	0.0121	0.0338	0.0459	0.0000	117.4771	117.4771	0.0213	0.0000	117.9233
Total	**0.5739**	**0.6863**	**0.7334**	**1.4400e-003**	**0.0502**	**0.0365**	**0.0866**	**0.0121**	**0.0338**	**0.0459**	**0.0000**	**117.4771**	**117.4771**	**0.0213**	**0.0000**	**117.9233**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**28.05**	**0.00**	**18.41**	**20.51**	**0.00**	**6.38**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5144	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8200e-003
Energy	9.2200e-003	0.0838	0.0704	5.0000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	524.4674	524.4674	0.0217	5.7900e-003	526.7180
Mobile	0.9764	2.0979	10.3546	0.0366	2.6337	0.0368	2.6706	0.7039	0.0340	0.7379	0.0000	2,470.0133	2,470.0133	0.0852	0.0000	2,471.8020
Waste						0.0000	0.0000		0.0000	0.0000	28.4370	0.0000	28.4370	1.6806	0.0000	63.7292
Water						0.0000	0.0000		0.0000	0.0000	1.6769	45.9785	47.6554	0.1743	4.5000e-003	52.7128
Total	**1.5000**	**2.1817**	**10.4264**	**0.0371**	**2.6337**	**0.0432**	**2.6769**	**0.7039**	**0.0404**	**0.7442**	**30.1139**	**3,040.4618**	**3,070.5757**	**1.9618**	**0.0103**	**3,114.9647**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5144	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8200e-003
Energy	9.2200e-003	0.0838	0.0704	5.0000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	524.4674	524.4674	0.0217	5.7900e-003	526.7180
Mobile	0.9764	2.0979	10.3546	0.0366	2.6337	0.0368	2.6706	0.7039	0.0340	0.7379	0.0000	2,470.0133	2,470.0133	0.0852	0.0000	2,471.8020
Waste						0.0000	0.0000		0.0000	0.0000	28.4370	0.0000	28.4370	1.6806	0.0000	63.7292
Water						0.0000	0.0000		0.0000	0.0000	1.6769	45.9785	47.6554	0.1743	4.5000e-003	52.7101
Total	**1.5000**	**2.1817**	**10.4264**	**0.0371**	**2.6337**	**0.0432**	**2.6769**	**0.7039**	**0.0404**	**0.7442**	**30.1139**	**3,040.4618**	**3,070.5757**	**1.9617**	**0.0103**	**3,114.9621**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Site Preparation	Site Preparation	1/29/2020	1/29/2020	5	1	
3	Grading	Grading	1/30/2020	1/31/2020	5	2	
4	Trenching	Trenching	2/1/2020	2/14/2020	5	10	
5	Building Construction	Building Construction	2/15/2020	7/3/2020	5	100	
6	Paving	Paving	7/4/2020	7/10/2020	5	5	
7	Architectural Coating	Architectural Coating	7/11/2020	7/17/2020	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 161,640; Non-Residential Outdoor: 53,880 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Trenching	Cranes	0	4.00	226	0.29
Trenching	Forklifts	0	6.00	89	0.20
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Trenchers	1	8.00	80	0.50

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	331.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	45.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0310	0.0000	0.0310	4.7000e-003	0.0000	4.7000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5300e-003	0.0773	0.0810	1.2000e-004		4.5600e-003	4.5600e-003		4.3500e-003	4.3500e-003	0.0000	10.4481	10.4481	1.9800e-003	0.0000	10.4897
Total	**8.5300e-003**	**0.0773**	**0.0810**	**1.2000e-004**	**0.0310**	**4.5600e-003**	**0.0356**	**4.7000e-003**	**4.3500e-003**	**9.0500e-003**	**0.0000**	**10.4481**	**10.4481**	**1.9800e-003**	**0.0000**	**10.4897**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.6600e-003	0.0343	0.0324	1.2000e-004	2.8400e-003	6.1000e-004	3.4500e-003	7.8000e-004	5.6000e-004	1.3400e-003	0.0000	10.3607	10.3607	8.0000e-005	0.0000	10.3624
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	3.6000e-004	3.8300e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8515	0.8515	4.0000e-005	0.0000	0.8523
Total	**2.9100e-003**	**0.0346**	**0.0362**	**1.3000e-004**	**3.9400e-003**	**6.2000e-004**	**4.5600e-003**	**1.0700e-003**	**5.7000e-004**	**1.6400e-003**	**0.0000**	**11.2122**	**11.2122**	**1.2000e-004**	**0.0000**	**11.2147**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0121	0.0000	0.0121	1.8300e-003	0.0000	1.8300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5300e-003	0.0773	0.0810	1.2000e-004		4.5600e-003	4.5600e-003		4.3500e-003	4.3500e-003	0.0000	10.4480	10.4480	1.9800e-003	0.0000	10.4896
Total	**8.5300e-003**	**0.0773**	**0.0810**	**1.2000e-004**	**0.0121**	**4.5600e-003**	**0.0167**	**1.8300e-003**	**4.3500e-003**	**6.1800e-003**	**0.0000**	**10.4480**	**10.4480**	**1.9800e-003**	**0.0000**	**10.4896**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	2.6600e-003	0.0343	0.0324	1.2000e-004	2.8400e-003	6.1000e-004	3.4500e-003	7.8000e-004	5.6000e-004	1.3400e-003	0.0000	10.3607	10.3607	8.0000e-005	0.0000	10.3624
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	3.6000e-004	3.8300e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8515	0.8515	4.0000e-005	0.0000	0.8523
Total	**2.9100e-003**	**0.0346**	**0.0362**	**1.3000e-004**	**3.9400e-003**	**6.2000e-004**	**4.5600e-003**	**1.0700e-003**	**5.7000e-004**	**1.6400e-003**	**0.0000**	**11.2122**	**11.2122**	**1.2000e-004**	**0.0000**	**11.2147**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	4.5300e-003	3.4200e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120
Total	**4.6000e-004**	**4.5300e-003**	**3.4200e-003**	**0.0000**	**2.7000e-004**	**2.6000e-004**	**5.3000e-004**	**3.0000e-005**	**2.4000e-004**	**2.7000e-004**	**0.0000**	**0.4093**	**0.4093**	**1.3000e-004**	**0.0000**	**0.4120**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0213	0.0213	0.0000	0.0000	0.0213
Total	**1.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0213**	**0.0213**	**0.0000**	**0.0000**	**0.0213**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	4.5300e-003	3.4200e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120
Total	**4.6000e-004**	**4.5300e-003**	**3.4200e-003**	**0.0000**	**1.0000e-004**	**2.6000e-004**	**3.6000e-004**	**1.0000e-005**	**2.4000e-004**	**2.5000e-004**	**0.0000**	**0.4093**	**0.4093**	**1.3000e-004**	**0.0000**	**0.4120**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0213	0.0213	0.0000	0.0000	0.0213
Total	**1.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0213**	**0.0213**	**0.0000**	**0.0000**	**0.0213**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	7.7200e-003	8.1000e-003	1.0000e-005		4.6000e-004	4.6000e-004		4.4000e-004	4.4000e-004	0.0000	1.0448	1.0448	2.0000e-004	0.0000	1.0490
Total	**8.5000e-004**	**7.7200e-003**	**8.1000e-003**	**1.0000e-005**	**7.5000e-004**	**4.6000e-004**	**1.2100e-003**	**4.1000e-004**	**4.4000e-004**	**8.5000e-004**	**0.0000**	**1.0448**	**1.0448**	**2.0000e-004**	**0.0000**	**1.0490**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	4.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0852	0.0852	0.0000	0.0000	0.0852
Total	**2.0000e-005**	**4.0000e-005**	**3.8000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0852**	**0.0852**	**0.0000**	**0.0000**	**0.0852**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.9000e-004	0.0000	2.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	8.5000e-004	7.7200e-003	8.1000e-003	1.0000e-005		4.6000e-004	4.6000e-004		4.4000e-004	4.4000e-004	0.0000	1.0448	1.0448	2.0000e-004	0.0000	1.0490
Total	**8.5000e-004**	**7.7200e-003**	**8.1000e-003**	**1.0000e-005**	**2.9000e-004**	**4.6000e-004**	**7.5000e-004**	**1.6000e-004**	**4.4000e-004**	**6.0000e-004**	**0.0000**	**1.0448**	**1.0448**	**2.0000e-004**	**0.0000**	**1.0490**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	4.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0852	0.0852	0.0000	0.0000	0.0852
Total	**2.0000e-005**	**4.0000e-005**	**3.8000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0852**	**0.0852**	**0.0000**	**0.0000**	**0.0852**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4100e-003	0.0314	0.0260	4.0000e-005		2.1800e-003	2.1800e-003		2.0100e-003	2.0100e-003	0.0000	3.0487	3.0487	9.5000e-004	0.0000	3.0687
Total	**3.4100e-003**	**0.0314**	**0.0260**	**4.0000e-005**		**2.1800e-003**	**2.1800e-003**		**2.0100e-003**	**2.0100e-003**	**0.0000**	**3.0487**	**3.0487**	**9.5000e-004**	**0.0000**	**3.0687**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2000e-004	5.4800e-003	8.7200e-003	2.0000e-005	9.6000e-004	9.0000e-005	1.0500e-003	2.6000e-004	8.0000e-005	3.4000e-004	0.0000	1.6442	1.6442	1.0000e-005	0.0000	1.6445
Worker	2.0000e-004	2.9000e-004	3.0700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	0.6812	0.6812	3.0000e-005	0.0000	0.6818
Total	**8.2000e-004**	**5.7700e-003**	**0.0118**	**3.0000e-005**	**2.6000e-003**	**1.0000e-004**	**2.7000e-003**	**6.8000e-004**	**9.0000e-005**	**7.7000e-004**	**0.0000**	**2.3254**	**2.3254**	**4.0000e-005**	**0.0000**	**2.3263**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4100e-003	0.0314	0.0260	4.0000e-005		2.1800e-003	2.1800e-003		2.0100e-003	2.0100e-003	0.0000	3.0487	3.0487	9.5000e-004	0.0000	3.0687
Total	**3.4100e-003**	**0.0314**	**0.0260**	**4.0000e-005**		**2.1800e-003**	**2.1800e-003**		**2.0100e-003**	**2.0100e-003**	**0.0000**	**3.0487**	**3.0487**	**9.5000e-004**	**0.0000**	**3.0687**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2000e-004	5.4800e-003	8.7200e-003	2.0000e-005	9.6000e-004	9.0000e-005	1.0500e-003	2.6000e-004	8.0000e-005	3.4000e-004	0.0000	1.6442	1.6442	1.0000e-005	0.0000	1.6445
Worker	2.0000e-004	2.9000e-004	3.0700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	0.6812	0.6812	3.0000e-005	0.0000	0.6818
Total	**8.2000e-004**	**5.7700e-003**	**0.0118**	**3.0000e-005**	**2.6000e-003**	**1.0000e-004**	**2.7000e-003**	**6.8000e-004**	**9.0000e-005**	**7.7000e-004**	**0.0000**	**2.3254**	**2.3254**	**4.0000e-005**	**0.0000**	**2.3263**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0428	0.4397	0.3682	5.7000e-004		0.0260	0.0260		0.0239	0.0239	0.0000	49.7559	49.7559	0.0161	0.0000	50.0939
Total	**0.0428**	**0.4397**	**0.3682**	**5.7000e-004**		**0.0260**	**0.0260**		**0.0239**	**0.0239**	**0.0000**	**49.7559**	**49.7559**	**0.0161**	**0.0000**	**50.0939**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2300e-003	0.0548	0.0872	1.9000e-004	5.5400e-003	8.9000e-004	6.4300e-003	1.5800e-003	8.2000e-004	2.4000e-003	0.0000	16.4420	16.4420	1.2000e-004	0.0000	16.4445
Worker	5.6200e-003	8.1700e-003	0.0863	2.9000e-004	0.0247	1.7000e-004	0.0249	6.5600e-003	1.6000e-004	6.7200e-003	0.0000	19.1579	19.1579	8.6000e-004	0.0000	19.1760
Total	**0.0119**	**0.0630**	**0.1735**	**4.8000e-004**	**0.0302**	**1.0600e-003**	**0.0313**	**8.1400e-003**	**9.8000e-004**	**9.1200e-003**	**0.0000**	**35.5999**	**35.5999**	**9.8000e-004**	**0.0000**	**35.6205**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0428	0.4397	0.3682	5.7000e-004		0.0260	0.0260		0.0239	0.0239	0.0000	49.7559	49.7559	0.0161	0.0000	50.0938
Total	**0.0428**	**0.4397**	**0.3682**	**5.7000e-004**		**0.0260**	**0.0260**		**0.0239**	**0.0239**	**0.0000**	**49.7559**	**49.7559**	**0.0161**	**0.0000**	**50.0938**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2300e-003	0.0548	0.0872	1.9000e-004	5.5400e-003	8.9000e-004	6.4300e-003	1.5800e-003	8.2000e-004	2.4000e-003	0.0000	16.4420	16.4420	1.2000e-004	0.0000	16.4445
Worker	5.6200e-003	8.1700e-003	0.0863	2.9000e-004	0.0247	1.7000e-004	0.0249	6.5600e-003	1.6000e-004	6.7200e-003	0.0000	19.1579	19.1579	8.6000e-004	0.0000	19.1760
Total	**0.0119**	**0.0630**	**0.1735**	**4.8000e-004**	**0.0302**	**1.0600e-003**	**0.0313**	**8.1400e-003**	**9.8000e-004**	**9.1200e-003**	**0.0000**	**35.5999**	**35.5999**	**9.8000e-004**	**0.0000**	**35.6205**

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9100e-003	0.0178	0.0175	3.0000e-005		9.8000e-004	9.8000e-004		9.1000e-004	9.1000e-004	0.0000	2.3135	2.3135	6.7000e-004	0.0000	2.3276
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.9100e-003**	**0.0178**	**0.0175**	**3.0000e-005**		**9.8000e-004**	**9.8000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**2.3135**	**2.3135**	**6.7000e-004**	**0.0000**	**2.3276**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.6000e-004	1.7300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3832	0.3832	2.0000e-005	0.0000	0.3835
Total	**1.1000e-004**	**1.6000e-004**	**1.7300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3832**	**0.3832**	**2.0000e-005**	**0.0000**	**0.3835**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9100e-003	0.0178	0.0175	3.0000e-005		9.8000e-004	9.8000e-004		9.1000e-004	9.1000e-004	0.0000	2.3135	2.3135	6.7000e-004	0.0000	2.3276

Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.9100e-003**	**0.0178**	**0.0175**	**3.0000e-005**		**9.8000e-004**	**9.8000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**2.3135**	**2.3135**	**6.7000e-004**	**0.0000**	**2.3276**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.6000e-004	1.7300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3832	0.3832	2.0000e-005	0.0000	0.3835
Total	**1.1000e-004**	**1.6000e-004**	**1.7300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3832**	**0.3832**	**2.0000e-005**	**0.0000**	**0.3835**

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4995					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-004	4.2100e-003	4.5800e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6394
Total	**0.5001**	**4.2100e-003**	**4.5800e-003**	**1.0000e-005**		**2.8000e-004**	**2.8000e-004**		**2.8000e-004**	**2.8000e-004**	**0.0000**	**0.6383**	**0.6383**	**5.0000e-005**	**0.0000**	**0.6394**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	8.0000e-005	8.6000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1916	0.1916	1.0000e-005	0.0000	0.1918
Total	**6.0000e-005**	**8.0000e-005**	**8.6000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1916**	**0.1916**	**1.0000e-005**	**0.0000**	**0.1918**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4995					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-004	4.2100e-003	4.5800e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6394
Total	**0.5001**	**4.2100e-003**	**4.5800e-003**	**1.0000e-005**		**2.8000e-004**	**2.8000e-004**		**2.8000e-004**	**2.8000e-004**	**0.0000**	**0.6383**	**0.6383**	**5.0000e-005**	**0.0000**	**0.6394**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	8.0000e-005	8.6000e-004	0.0000	2.5000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1916	0.1916	1.0000e-005	0.0000	0.1918
Total	**6.0000e-005**	**8.0000e-005**	**8.6000e-004**	**0.0000**	**2.5000e-004**	**0.0000**	**2.5000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1916**	**0.1916**	**1.0000e-005**	**0.0000**	**0.1918**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9764	2.0979	10.3546	0.0366	2.6337	0.0368	2.6706	0.7039	0.0340	0.7379	0.0000	2,470.0133	2,470.0133	0.0852	0.0000	2,471.8020
Unmitigated	0.9764	2.0979	10.3546	0.0366	2.6337	0.0368	2.6706	0.7039	0.0340	0.7379	0.0000	2,470.0133	2,470.0133	0.0852	0.0000	2,471.8020

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	2,962.32	1,210.14	130.39	6,969,324	6,969,324
Total	2,962.32	1,210.14	130.39	6,969,324	6,969,324

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	433.2647	433.2647	0.0199	4.1200e-003	434.9603
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	433.2647	433.2647	0.0199	4.1200e-003	434.9603
NaturalGas Mitigated	9.2200e-003	0.0838	0.0704	5.0000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	91.2027	91.2027	1.7500e-003	1.6700e-003	91.7577
NaturalGas Unmitigated	9.2200e-003	0.0838	0.0704	5.0000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	91.2027	91.2027	1.7500e-003	1.6700e-003	91.7577

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	1.70907e+006	9.2200e-003	0.0838	0.0704	5.0000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	91.2027	91.2027	1.7500e-003	1.6700e-003	91.7577

Total		**9.2200e-003**	**0.0838**	**0.0704**	**5.0000e-004**		**6.3700e-003**	**6.3700e-003**		**6.3700e-003**	**6.3700e-003**	**0.0000**	**91.2027**	**91.2027**	**1.7500e-003**	**1.6700e-003**	**91.7577**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	1.70907e+006	9.2200e-003	0.0838	0.0704	5.0000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	91.2027	91.2027	1.7500e-003	1.6700e-003	91.7577
Total		**9.2200e-003**	**0.0838**	**0.0704**	**5.0000e-004**		**6.3700e-003**	**6.3700e-003**		**6.3700e-003**	**6.3700e-003**	**0.0000**	**91.2027**	**91.2027**	**1.7500e-003**	**1.6700e-003**	**91.7577**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	1.51403e+006	433.2647	0.0199	4.1200e-003	434.9603
Total		**433.2647**	**0.0199**	**4.1200e-003**	**434.9603**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	1.51403e+006	433.2647	0.0199	4.1200e-003	434.9603
Total		**433.2647**	**0.0199**	**4.1200e-003**	**434.9603**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5144	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8200e-003
Unmitigated	0.5144	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					

Architectural Coating	0.1249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3894					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8200e-003
Total	**0.5144**	**1.0000e-005**	**1.3800e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.6700e-003**	**2.6700e-003**	**1.0000e-005**	**0.0000**	**2.8200e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3894					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8200e-003
Total	**0.5144**	**1.0000e-005**	**1.3800e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.6700e-003**	**2.6700e-003**	**1.0000e-005**	**0.0000**	**2.8200e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	47.6554	0.1743	4.5000e-003	52.7101
Unmitigated	47.6554	0.1743	4.5000e-003	52.7128

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	5.28552 / 8.2671	47.6554	0.1743	4.5000e-003	52.7128
Total		**47.6554**	**0.1743**	**4.5000e-003**	**52.7128**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	5.28552 / 8.2671	47.6554	0.1743	4.5000e-003	52.7101
Total		**47.6554**	**0.1743**	**4.5000e-003**	**52.7101**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	28.4370	1.6806	0.0000	63.7292
Unmitigated	28.4370	1.6806	0.0000	63.7292

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	140.09	28.4370	1.6806	0.0000	63.7292
Total		**28.4370**	**1.6806**	**0.0000**	**63.7292**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

Junior College (2Yr)	140.09	28.4370	1.6806	0.0000	63.7292
Total		**28.4370**	**1.6806**	**0.0000**	**63.7292**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 3 - Language Arts

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	107.76	1000sqft	0.83	107,760.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Demolition - Demolition of Social and Behavioral Sciences, Virgil D Sessions Lit and Lang Bldg, Writer's Row, Journalism, and 150 Annex

Grading - modified

Architectural Coating - scaqmd rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	10.00	20.00
tblLandUse	LotAcreage	2.47	0.83
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblProjectCharacteristics	OperationalYear	2014	2022
tblTripsAndVMT	HaulingTripNumber	287.00	331.00
tblTripsAndVMT	VendorTripNumber	0.00	18.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	200.0522	11.0160	11.3546	0.0256	3.5028	0.5411	4.0208	0.5784	0.4978	1.0708	0.0000	2,392.5643	2,392.5643	0.3763	0.0000	2,400.4669
Total	**200.0522**	**11.0160**	**11.3546**	**0.0256**	**3.5028**	**0.5411**	**4.0208**	**0.5784**	**0.4978**	**1.0708**	**0.0000**	**2,392.5643**	**2,392.5643**	**0.3763**	**0.0000**	**2,400.4669**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	200.0522	11.0160	11.3546	0.0256	1.6102	0.5411	2.1282	0.2918	0.4978	0.7842	0.0000	2,392.5643	2,392.5643	0.3763	0.0000	2,400.4669
Total	**200.0522**	**11.0160**	**11.3546**	**0.0256**	**1.6102**	**0.5411**	**2.1282**	**0.2918**	**0.4978**	**0.7842**	**0.0000**	**2,392.5643**	**2,392.5643**	**0.3763**	**0.0000**	**2,400.4669**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.03**	**0.00**	**47.07**	**49.54**	**0.00**	**26.76**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Energy	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Mobile	6.9286	13.7421	73.0213	0.2671	18.9119	0.2598	19.1717	5.0468	0.2400	5.2868		19,843.5383	19,843.5383	0.6629		19,857.4582
Total	**9.7980**	**14.2013**	**73.4179**	**0.2699**	**18.9119**	**0.2947**	**19.2066**	**5.0468**	**0.2749**	**5.3217**		**20,394.4317**	**20,394.4317**	**0.6735**	**0.0101**	**20,411.7054**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Energy	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Mobile	6.9286	13.7421	73.0213	0.2671	18.9119	0.2598	19.1717	5.0468	0.2400	5.2868		19,843.5383	19,843.5383	0.6629		19,857.4582
Total	**9.7980**	**14.2013**	**73.4179**	**0.2699**	**18.9119**	**0.2947**	**19.2066**	**5.0468**	**0.2749**	**5.3217**		**20,394.4317**	**20,394.4317**	**0.6735**	**0.0101**	**20,411.7054**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Site Preparation	Site Preparation	1/29/2020	1/29/2020	5	1	
3	Grading	Grading	1/30/2020	1/31/2020	5	2	
4	Trenching	Trenching	2/1/2020	2/14/2020	5	10	
5	Building Construction	Building Construction	2/15/2020	7/3/2020	5	100	
6	Paving	Paving	7/4/2020	7/10/2020	5	5	
7	Architectural Coating	Architectural Coating	7/11/2020	7/17/2020	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 161,640; Non-Residential Outdoor: 53,880 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Trenching	Cranes	0	4.00	226	0.29
Trenching	Forklifts	0	6.00	89	0.20
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Trenchers	1	8.00	80	0.50

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

Demolition	4	10.00	0.00	331.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	45.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1026	0.0000	3.1026	0.4698	0.0000	0.4698			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**3.1026**	**0.4561**	**3.5587**	**0.4698**	**0.4355**	**0.9052**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.2576	3.2591	2.8545	0.0122	0.2884	0.0611	0.3495	0.0790	0.0562	0.1352		1,143.2153	1,143.2153	8.8800e-003		1,143.4018
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.2832**	**3.2912**	**3.2565**	**0.0135**	**0.4002**	**0.0618**	**0.4620**	**0.1086**	**0.0569**	**0.1655**		**1,240.8633**	**1,240.8633**	**0.0131**		**1,241.1381**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2100	0.0000	1.2100	0.1832	0.0000	0.1832			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**1.2100**	**0.4561**	**1.6661**	**0.1832**	**0.4355**	**0.6187**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2576	3.2591	2.8545	0.0122	0.2884	0.0611	0.3495	0.0790	0.0562	0.1352		1,143.2153	1,143.2153	8.8800e-003		1,143.4018
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363

Total	**0.2832**	**3.2912**	**3.2565**	**0.0135**	**0.4002**	**0.0618**	**0.4620**	**0.1086**	**0.0569**	**0.1655**		**1,240.8633**	**1,240.8633**	**0.0131**		**1,241.1381**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796		902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.5303**	**0.5213**	**1.0516**	**0.0573**	**0.4796**	**0.5369**		**902.2494**	**902.2494**	**0.2918**		**908.3773**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0128	0.0161	0.2010	6.8000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		48.8240	48.8240	2.1000e-003		48.8681
Total	**0.0128**	**0.0161**	**0.2010**	**6.8000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**48.8240**	**48.8240**	**2.1000e-003**		**48.8681**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796	0.0000	902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.2068**	**0.5213**	**0.7281**	**0.0223**	**0.4796**	**0.5019**	**0.0000**	**902.2494**	**902.2494**	**0.2918**		**908.3773**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0128	0.0161	0.2010	6.8000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		48.8240	48.8240	2.1000e-003		48.8681
Total	**0.0128**	**0.0161**	**0.2010**	**6.8000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**48.8240**	**48.8240**	**2.1000e-003**		**48.8681**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.7528**	**0.4561**	**1.2089**	**0.4138**	**0.4355**	**0.8492**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.0255**	**0.0321**	**0.4020**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**97.6480**	**97.6480**	**4.2000e-003**		**97.7363**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.2936**	**0.4561**	**0.7497**	**0.1614**	**0.4355**	**0.5968**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.0255**	**0.0321**	**0.4020**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**97.6480**	**97.6480**	**4.2000e-003**		**97.7363**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6823	6.2698	5.2076	7.0600e-003		0.4359	0.4359		0.4018	0.4018		672.1157	672.1157	0.2098		676.5216
Total	**0.6823**	**6.2698**	**5.2076**	**7.0600e-003**		**0.4359**	**0.4359**		**0.4018**	**0.4018**		**672.1157**	**672.1157**	**0.2098**		**676.5216**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1179	1.0530	1.4723	3.8800e-003	0.1946	0.0177	0.2123	0.0522	0.0163	0.0685		363.7806	363.7806	2.6300e-003		363.8360
Worker	0.0408	0.0514	0.6432	2.1800e-003	0.3343	1.2200e-003	0.3356	0.0856	1.1300e-003	0.0867		156.2368	156.2368	6.7200e-003		156.3780
Total	**0.1588**	**1.1044**	**2.1156**	**6.0600e-003**	**0.5290**	**0.0189**	**0.5479**	**0.1378**	**0.0174**	**0.1552**		**520.0175**	**520.0175**	**9.3500e-003**		**520.2140**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6823	6.2698	5.2076	7.0600e-003		0.4359	0.4359		0.4018	0.4018	0.0000	672.1157	672.1157	0.2098		676.5216
Total	**0.6823**	**6.2698**	**5.2076**	**7.0600e-003**		**0.4359**	**0.4359**		**0.4018**	**0.4018**	**0.0000**	**672.1157**	**672.1157**	**0.2098**		**676.5216**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1179	1.0530	1.4723	3.8800e-003	0.1946	0.0177	0.2123	0.0522	0.0163	0.0685		363.7806	363.7806	2.6300e-003		363.8360
Worker	0.0408	0.0514	0.6432	2.1800e-003	0.3343	1.2200e-003	0.3356	0.0856	1.1300e-003	0.0867		156.2368	156.2368	6.7200e-003		156.3780

Total	**0.1588**	**1.1044**	**2.1156**	**6.0600e-003**	**0.5290**	**0.0189**	**0.5479**	**0.1378**	**0.0174**	**0.1552**		**520.0175**	**520.0175**	**9.3500e-003**		**520.2140**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784		1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**		**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1179	1.0530	1.4723	3.8800e-003	0.1125	0.0177	0.1302	0.0321	0.0163	0.0483		363.7806	363.7806	2.6300e-003		363.8360
Worker	0.1149	0.1446	1.8091	6.1300e-003	0.5030	3.4400e-003	0.5064	0.1334	3.1900e-003	0.1366		439.4161	439.4161	0.0189		439.8132
Total	**0.2328**	**1.1976**	**3.2815**	**0.0100**	**0.6155**	**0.0211**	**0.6367**	**0.1655**	**0.0195**	**0.1849**		**803.1968**	**803.1968**	**0.0215**		**803.6492**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784	0.0000	1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**	**0.0000**	**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1179	1.0530	1.4723	3.8800e-003	0.1125	0.0177	0.1302	0.0321	0.0163	0.0483		363.7806	363.7806	2.6300e-003		363.8360
Worker	0.1149	0.1446	1.8091	6.1300e-003	0.5030	3.4400e-003	0.5064	0.1334	3.1900e-003	0.1366		439.4161	439.4161	0.0189		439.8132
Total	**0.2328**	**1.1976**	**3.2815**	**0.0100**	**0.6155**	**0.0211**	**0.6367**	**0.1655**	**0.0195**	**0.1849**		**803.1968**	**803.1968**	**0.0215**		**803.6492**

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.7627	7.1320	7.0153	0.0111		0.3905	0.3905		0.3626	0.3626		1,020.0710	1,020.0710	0.2966		1,026.3002
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7627**	**7.1320**	**7.0153**	**0.0111**		**0.3905**	**0.3905**		**0.3626**	**0.3626**		**1,020.0710**	**1,020.0710**	**0.2966**		**1,026.3002**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0459	0.0579	0.7237	2.4500e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		175.7665	175.7665	7.5600e-003		175.9253
Total	**0.0459**	**0.0579**	**0.7237**	**2.4500e-003**	**0.2012**	**1.3800e-003**	**0.2026**	**0.0534**	**1.2800e-003**	**0.0546**		**175.7665**	**175.7665**	**7.5600e-003**		**175.9253**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7627	7.1320	7.0153	0.0111		0.3905	0.3905		0.3626	0.3626	0.0000	1,020.0710	1,020.0710	0.2966		1,026.3002
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7627**	**7.1320**	**7.0153**	**0.0111**		**0.3905**	**0.3905**		**0.3626**	**0.3626**	**0.0000**	**1,020.0710**	**1,020.0710**	**0.2966**		**1,026.3002**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0459	0.0579	0.7237	2.4500e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		175.7665	175.7665	7.5600e-003		175.9253
Total	**0.0459**	**0.0579**	**0.7237**	**2.4500e-003**	**0.2012**	**1.3800e-003**	**0.2026**	**0.0534**	**1.2800e-003**	**0.0546**		**175.7665**	**175.7665**	**7.5600e-003**		**175.9253**

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	199.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	**200.0292**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9057**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0230	0.0289	0.3618	1.2300e-003	0.1006	6.9000e-004	0.1013	0.0267	6.4000e-004	0.0273		87.8832	87.8832	3.7800e-003		87.9627
Total	**0.0230**	**0.0289**	**0.3618**	**1.2300e-003**	**0.1006**	**6.9000e-004**	**0.1013**	**0.0267**	**6.4000e-004**	**0.0273**		**87.8832**	**87.8832**	**3.7800e-003**		**87.9627**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	199.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057
Total	**200.0292**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9057**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0230	0.0289	0.3618	1.2300e-003	0.1006	6.9000e-004	0.1013	0.0267	6.4000e-004	0.0273		87.8832	87.8832	3.7800e-003		87.9627

Total	**0.0230**	**0.0289**	**0.3618**	**1.2300e-003**	**0.1006**	**6.9000e-004**	**0.1013**	**0.0267**	**6.4000e-004**	**0.0273**		**87.8832**	**87.8832**	**3.7800e-003**		**87.9627**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.9286	13.7421	73.0213	0.2671	18.9119	0.2598	19.1717	5.0468	0.2400	5.2868		19,843.5383	19,843.5383	0.6629		19,857.4582
Unmitigated	6.9286	13.7421	73.0213	0.2671	18.9119	0.2598	19.1717	5.0468	0.2400	5.2868		19,843.5383	19,843.5383	0.6629		19,857.4582

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	2,962.32	1,210.14	130.39	6,969,324	6,969,324
Total	2,962.32	1,210.14	130.39	6,969,324	6,969,324

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
NaturalGas Unmitigated	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4682.39	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Total		**0.0505**	**0.4591**	**0.3856**	**2.7500e-003**		**0.0349**	**0.0349**		**0.0349**	**0.0349**		**550.8698**	**550.8698**	**0.0106**	**0.0101**	**554.2223**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4.68239	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Total		**0.0505**	**0.4591**	**0.3856**	**2.7500e-003**		**0.0349**	**0.0349**		**0.0349**	**0.0349**		**550.8698**	**550.8698**	**0.0106**	**0.0101**	**554.2223**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Unmitigated	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Architectural Coating	0.6842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Total	**2.8189**	**1.0000e-004**	**0.0110**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0236**	**0.0236**	**6.0000e-005**		**0.0249**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Total	**2.8189**	**1.0000e-004**	**0.0110**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0236**	**0.0236**	**6.0000e-005**		**0.0249**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

Phase 3 - Language Arts

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	107.76	1000sqft	0.83	107,760.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Demolition - Demolition of Social and Behavioral Sciences, Virgil D Sessions Lit and Lang Bldg, Writer's Row, Journalism, and 150 Annex

Grading - modified

Architectural Coating - scaqmd rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	10.00	20.00
tblLandUse	LotAcreage	2.47	0.83
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblProjectCharacteristics	OperationalYear	2014	2022
tblTripsAndVMT	HaulingTripNumber	287.00	331.00
tblTripsAndVMT	VendorTripNumber	0.00	18.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	200.0533	11.1297	11.8265	0.0255	3.5028	0.5413	4.0209	0.5784	0.4980	1.0709	0.0000	2,384.6488	2,384.6488	0.3764	0.0000	2,392.5533
Total	**200.0533**	**11.1297**	**11.8265**	**0.0255**	**3.5028**	**0.5413**	**4.0209**	**0.5784**	**0.4980**	**1.0709**	**0.0000**	**2,384.6488**	**2,384.6488**	**0.3764**	**0.0000**	**2,392.5533**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	200.0533	11.1297	11.8265	0.0255	1.6102	0.5413	2.1283	0.2918	0.4980	0.7843	0.0000	2,384.6488	2,384.6488	0.3764	0.0000	2,392.5533
Total	**200.0533**	**11.1297**	**11.8265**	**0.0255**	**1.6102**	**0.5413**	**2.1283**	**0.2918**	**0.4980**	**0.7843**	**0.0000**	**2,384.6488**	**2,384.6488**	**0.3764**	**0.0000**	**2,392.5533**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.03**	**0.00**	**47.07**	**49.54**	**0.00**	**26.76**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Energy	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Mobile	7.3009	14.5185	72.6994	0.2551	18.9119	0.2606	19.1724	5.0468	0.2406	5.2875		18,994.2515	18,994.2515	0.6634		19,008.1833
Total	**10.1703**	**14.9776**	**73.0960**	**0.2579**	**18.9119**	**0.2955**	**19.2073**	**5.0468**	**0.2756**	**5.3224**		**19,545.1449**	**19,545.1449**	**0.6740**	**0.0101**	**19,562.4305**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Energy	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Mobile	7.3009	14.5185	72.6994	0.2551	18.9119	0.2606	19.1724	5.0468	0.2406	5.2875		18,994.2515	18,994.2515	0.6634		19,008.1833
Total	**10.1703**	**14.9776**	**73.0960**	**0.2579**	**18.9119**	**0.2955**	**19.2073**	**5.0468**	**0.2756**	**5.3224**		**19,545.1449**	**19,545.1449**	**0.6740**	**0.0101**	**19,562.4305**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Site Preparation	Site Preparation	1/29/2020	1/29/2020	5	1	
3	Grading	Grading	1/30/2020	1/31/2020	5	2	
4	Trenching	Trenching	2/1/2020	2/14/2020	5	10	
5	Building Construction	Building Construction	2/15/2020	7/3/2020	5	100	
6	Paving	Paving	7/4/2020	7/10/2020	5	5	
7	Architectural Coating	Architectural Coating	7/11/2020	7/17/2020	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 161,640; Non-Residential Outdoor: 53,880 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Trenching	Cranes	0	4.00	226	0.29
Trenching	Forklifts	0	6.00	89	0.20
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Trenchers	1	8.00	80	0.50

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

Demolition	4	10.00	0.00	331.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	45.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1026	0.0000	3.1026	0.4698	0.0000	0.4698			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**3.1026**	**0.4561**	**3.5587**	**0.4698**	**0.4355**	**0.9052**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.2698	3.3695	3.3536	0.0121	0.2884	0.0612	0.3496	0.0790	0.0563	0.1353		1,140.4890	1,140.4890	9.0100e-003		1,140.6783
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.2965**	**3.4049**	**3.7284**	**0.0134**	**0.4002**	**0.0620**	**0.4622**	**0.1086**	**0.0570**	**0.1656**		**1,232.9478**	**1,232.9478**	**0.0132**		**1,233.2253**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2100	0.0000	1.2100	0.1832	0.0000	0.1832			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**1.2100**	**0.4561**	**1.6661**	**0.1832**	**0.4355**	**0.6187**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2698	3.3695	3.3536	0.0121	0.2884	0.0612	0.3496	0.0790	0.0563	0.1353		1,140.4890	1,140.4890	9.0100e-003		1,140.6783
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470

Total	**0.2965**	**3.4049**	**3.7284**	**0.0134**	**0.4002**	**0.0620**	**0.4622**	**0.1086**	**0.0570**	**0.1656**		**1,232.9478**	**1,232.9478**	**0.0132**		**1,233.2253**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796		902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.5303**	**0.5213**	**1.0516**	**0.0573**	**0.4796**	**0.5369**		**902.2494**	**902.2494**	**0.2918**		**908.3773**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	0.0177	0.1874	6.4000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		46.2294	46.2294	2.1000e-003		46.2735
Total	**0.0134**	**0.0177**	**0.1874**	**6.4000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**46.2294**	**46.2294**	**2.1000e-003**		**46.2735**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796	0.0000	902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.2068**	**0.5213**	**0.7281**	**0.0223**	**0.4796**	**0.5019**	**0.0000**	**902.2494**	**902.2494**	**0.2918**		**908.3773**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	0.0177	0.1874	6.4000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		46.2294	46.2294	2.1000e-003		46.2735
Total	**0.0134**	**0.0177**	**0.1874**	**6.4000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**46.2294**	**46.2294**	**2.1000e-003**		**46.2735**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.7528**	**0.4561**	**1.2089**	**0.4138**	**0.4355**	**0.8492**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.0268**	**0.0353**	**0.3748**	**1.2900e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**92.4588**	**92.4588**	**4.2000e-003**		**92.5470**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.2936**	**0.4561**	**0.7497**	**0.1614**	**0.4355**	**0.5968**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.0268**	**0.0353**	**0.3748**	**1.2900e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**92.4588**	**92.4588**	**4.2000e-003**		**92.5470**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6823	6.2698	5.2076	7.0600e-003		0.4359	0.4359		0.4018	0.4018		672.1157	672.1157	0.2098		676.5216
Total	**0.6823**	**6.2698**	**5.2076**	**7.0600e-003**		**0.4359**	**0.4359**		**0.4018**	**0.4018**		**672.1157**	**672.1157**	**0.2098**		**676.5216**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1285	1.0755	1.8333	3.8600e-003	0.1946	0.0179	0.2125	0.0522	0.0164	0.0686		360.6926	360.6926	2.7300e-003		360.7498
Worker	0.0428	0.0565	0.5997	2.0600e-003	0.3343	1.2200e-003	0.3356	0.0856	1.1300e-003	0.0867		147.9340	147.9340	6.7200e-003		148.0752
Total	**0.1713**	**1.1320**	**2.4330**	**5.9200e-003**	**0.5290**	**0.0191**	**0.5480**	**0.1378**	**0.0176**	**0.1554**		**508.6266**	**508.6266**	**9.4500e-003**		**508.8251**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6823	6.2698	5.2076	7.0600e-003		0.4359	0.4359		0.4018	0.4018	0.0000	672.1157	672.1157	0.2098		676.5216
Total	**0.6823**	**6.2698**	**5.2076**	**7.0600e-003**		**0.4359**	**0.4359**		**0.4018**	**0.4018**	**0.0000**	**672.1157**	**672.1157**	**0.2098**		**676.5216**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1285	1.0755	1.8333	3.8600e-003	0.1946	0.0179	0.2125	0.0522	0.0164	0.0686		360.6926	360.6926	2.7300e-003		360.7498
Worker	0.0428	0.0565	0.5997	2.0600e-003	0.3343	1.2200e-003	0.3356	0.0856	1.1300e-003	0.0867		147.9340	147.9340	6.7200e-003		148.0752

Total	**0.1713**	**1.1320**	**2.4330**	**5.9200e-003**	**0.5290**	**0.0191**	**0.5480**	**0.1378**	**0.0176**	**0.1554**		**508.6266**	**508.6266**	**9.4500e-003**		**508.8251**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784		1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**		**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1285	1.0755	1.8333	3.8600e-003	0.1125	0.0179	0.1304	0.0321	0.0164	0.0485		360.6926	360.6926	2.7300e-003		360.7498
Worker	0.1204	0.1590	1.6867	5.8000e-003	0.5030	3.4400e-003	0.5064	0.1334	3.1900e-003	0.1366		416.0645	416.0645	0.0189		416.4616
Total	**0.2489**	**1.2345**	**3.5199**	**9.6600e-003**	**0.6155**	**0.0213**	**0.6368**	**0.1655**	**0.0196**	**0.1851**		**776.7571**	**776.7571**	**0.0216**		**777.2114**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784	0.0000	1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**	**0.0000**	**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1285	1.0755	1.8333	3.8600e-003	0.1125	0.0179	0.1304	0.0321	0.0164	0.0485		360.6926	360.6926	2.7300e-003		360.7498
Worker	0.1204	0.1590	1.6867	5.8000e-003	0.5030	3.4400e-003	0.5064	0.1334	3.1900e-003	0.1366		416.0645	416.0645	0.0189		416.4616
Total	**0.2489**	**1.2345**	**3.5199**	**9.6600e-003**	**0.6155**	**0.0213**	**0.6368**	**0.1655**	**0.0196**	**0.1851**		**776.7571**	**776.7571**	**0.0216**		**777.2114**

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.7627	7.1320	7.0153	0.0111		0.3905	0.3905		0.3626	0.3626		1,020.0710	1,020.0710	0.2966		1,026.3002
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7627**	**7.1320**	**7.0153**	**0.0111**		**0.3905**	**0.3905**		**0.3626**	**0.3626**		**1,020.0710**	**1,020.0710**	**0.2966**		**1,026.3002**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0482	0.0636	0.6747	2.3200e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		166.4258	166.4258	7.5600e-003		166.5846
Total	**0.0482**	**0.0636**	**0.6747**	**2.3200e-003**	**0.2012**	**1.3800e-003**	**0.2026**	**0.0534**	**1.2800e-003**	**0.0546**		**166.4258**	**166.4258**	**7.5600e-003**		**166.5846**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7627	7.1320	7.0153	0.0111		0.3905	0.3905		0.3626	0.3626	0.0000	1,020.0710	1,020.0710	0.2966		1,026.3002
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7627**	**7.1320**	**7.0153**	**0.0111**		**0.3905**	**0.3905**		**0.3626**	**0.3626**	**0.0000**	**1,020.0710**	**1,020.0710**	**0.2966**		**1,026.3002**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0482	0.0636	0.6747	2.3200e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		166.4258	166.4258	7.5600e-003		166.5846
Total	**0.0482**	**0.0636**	**0.6747**	**2.3200e-003**	**0.2012**	**1.3800e-003**	**0.2026**	**0.0534**	**1.2800e-003**	**0.0546**		**166.4258**	**166.4258**	**7.5600e-003**		**166.5846**

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	199.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	**200.0292**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9057**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0241	0.0318	0.3373	1.1600e-003	0.1006	6.9000e-004	0.1013	0.0267	6.4000e-004	0.0273		83.2129	83.2129	3.7800e-003		83.2923
Total	**0.0241**	**0.0318**	**0.3373**	**1.1600e-003**	**0.1006**	**6.9000e-004**	**0.1013**	**0.0267**	**6.4000e-004**	**0.0273**		**83.2129**	**83.2129**	**3.7800e-003**		**83.2923**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	199.7870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057
Total	**200.0292**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9057**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0241	0.0318	0.3373	1.1600e-003	0.1006	6.9000e-004	0.1013	0.0267	6.4000e-004	0.0273		83.2129	83.2129	3.7800e-003		83.2923

Total	**0.0241**	**0.0318**	**0.3373**	**1.1600e-003**	**0.1006**	**6.9000e-004**	**0.1013**	**0.0267**	**6.4000e-004**	**0.0273**		**83.2129**	**83.2129**	**3.7800e-003**		**83.2923**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.3009	14.5185	72.6994	0.2551	18.9119	0.2606	19.1724	5.0468	0.2406	5.2875		18,994.2515	18,994.2515	0.6634		19,008.1833
Unmitigated	7.3009	14.5185	72.6994	0.2551	18.9119	0.2606	19.1724	5.0468	0.2406	5.2875		18,994.2515	18,994.2515	0.6634		19,008.1833

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	2,962.32	1,210.14	130.39	6,969,324	6,969,324
Total	2,962.32	1,210.14	130.39	6,969,324	6,969,324

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
NaturalGas Unmitigated	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4682.39	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Total		**0.0505**	**0.4591**	**0.3856**	**2.7500e-003**		**0.0349**	**0.0349**		**0.0349**	**0.0349**		**550.8698**	**550.8698**	**0.0106**	**0.0101**	**554.2223**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4.68239	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Total		**0.0505**	**0.4591**	**0.3856**	**2.7500e-003**		**0.0349**	**0.0349**		**0.0349**	**0.0349**		**550.8698**	**550.8698**	**0.0106**	**0.0101**	**554.2223**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Unmitigated	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Architectural Coating	0.6842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Total	**2.8189**	**1.0000e-004**	**0.0110**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0236**	**0.0236**	**6.0000e-005**		**0.0249**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Total	**2.8189**	**1.0000e-004**	**0.0110**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0236**	**0.0236**	**6.0000e-005**		**0.0249**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

Unscheduled - Multidisciplinary Building

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	25.00	1000sqft	0.29	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Multidiscipliary Building will be multiple stories

Construction Phase - modified

Off-road Equipment - modified

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Architectural Coating - Modifed

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value

tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblLandUse	LotAcreage	0.57	0.29
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblProjectCharacteristics	OperationalYear	2014	2023

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1691	0.5186	0.5202	9.0000e-004	0.0278	0.0284	0.0562	5.7000e-003	0.0262	0.0319	0.0000	76.7599	76.7599	0.0194	0.0000	77.1670
Total	**0.1691**	**0.5186**	**0.5202**	**9.0000e-004**	**0.0278**	**0.0284**	**0.0562**	**5.7000e-003**	**0.0262**	**0.0319**	**0.0000**	**76.7599**	**76.7599**	**0.0194**	**0.0000**	**77.1670**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					

2021	0.1691	0.5186	0.5202	9.0000e-004	0.0171	0.0284	0.0455	3.9100e-003	0.0262	0.0302	0.0000	76.7598	76.7598	0.0194	0.0000	77.1670
Total	**0.1691**	**0.5186**	**0.5202**	**9.0000e-004**	**0.0171**	**0.0284**	**0.0455**	**3.9100e-003**	**0.0262**	**0.0302**	**0.0000**	**76.7598**	**76.7598**	**0.0194**	**0.0000**	**77.1670**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**38.49**	**0.00**	**19.06**	**31.40**	**0.00**	**5.60**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1193	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.2000e-004	6.2000e-004	0.0000	0.0000	6.5000e-004
Energy	2.1400e-003	0.0194	0.0163	1.2000e-004		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003	0.0000	121.6749	121.6749	5.0300e-003	1.3400e-003	122.1970
Mobile	0.2177	0.4372	2.2976	8.5000e-003	0.6111	8.6000e-003	0.6197	0.1633	7.9400e-003	0.1713	0.0000	567.5030	567.5030	0.0190	0.0000	567.9026
Waste						0.0000	0.0000		0.0000	0.0000	6.5972	0.0000	6.5972	0.3899	0.0000	14.7848
Water						0.0000	0.0000		0.0000	0.0000	0.3890	10.6669	11.0559	0.0405	1.0400e-003	12.2292
Total	**0.3391**	**0.4567**	**2.3142**	**8.6200e-003**	**0.6111**	**0.0101**	**0.6212**	**0.1633**	**9.4200e-003**	**0.1727**	**6.9862**	**699.8454**	**706.8316**	**0.4544**	**2.3800e-003**	**717.1142**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Area	0.1193	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.2000e-004	6.2000e-004	0.0000	0.0000	6.5000e-004
Energy	2.1400e-003	0.0194	0.0163	1.2000e-004		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003	0.0000	121.6749	121.6749	5.0300e-003	1.3400e-003	122.1970
Mobile	0.2177	0.4372	2.2976	8.5000e-003	0.6111	8.6000e-003	0.6197	0.1633	7.9400e-003	0.1713	0.0000	567.5030	567.5030	0.0190	0.0000	567.9026
Waste						0.0000	0.0000		0.0000	0.0000	6.5972	0.0000	6.5972	0.3899	0.0000	14.7848
Water						0.0000	0.0000		0.0000	0.0000	0.3890	10.6669	11.0559	0.0404	1.0400e-003	12.2286
Total	**0.3391**	**0.4567**	**2.3142**	**8.6200e-003**	**0.6111**	**0.0101**	**0.6212**	**0.1633**	**9.4200e-003**	**0.1727**	**6.9862**	**699.8454**	**706.8316**	**0.4544**	**2.3800e-003**	**717.1136**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/1/2021	5/14/2021	5	10	
2	Site Preparation	Site Preparation	5/15/2021	5/17/2021	5	1	
3	Grading	Grading	5/18/2021	5/19/2021	5	2	
4	Trenching	Trenching	5/20/2021	6/2/2021	5	10	
5	Building Construction	Building Construction	6/3/2021	10/20/2021	5	100	
6	Paving	Paving	10/21/2021	10/27/2021	5	5	
7	Architectural Coating	Architectural Coating	10/28/2021	11/3/2021	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,500; Non-Residential Outdoor: 12,500 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Site Preparation	Graders	1	8.00	174	0.41
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Paving	Rollers	1	7.00	80	0.38
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Trenchers	1	8.00	80	0.50
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	153.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Building Construction	5	11.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0165	0.0000	0.0165	2.5000e-003	0.0000	2.5000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8800e-003	0.0351	0.0399	6.0000e-005		1.9600e-003	1.9600e-003		1.8800e-003	1.8800e-003	0.0000	5.2241	5.2241	9.8000e-004	0.0000	5.2446
Total	**3.8800e-003**	**0.0351**	**0.0399**	**6.0000e-005**	**0.0165**	**1.9600e-003**	**0.0185**	**2.5000e-003**	**1.8800e-003**	**4.3800e-003**	**0.0000**	**5.2241**	**5.2241**	**9.8000e-004**	**0.0000**	**5.2446**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2200e-003	0.0139	0.0148	6.0000e-005	1.3100e-003	2.8000e-004	1.5900e-003	3.6000e-004	2.6000e-004	6.2000e-004	0.0000	4.7849	4.7849	4.0000e-005	0.0000	4.7857
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	1.2000e-004	1.7000e-004	1.8100e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4187	0.4187	2.0000e-005	0.0000	0.4191
Total	**1.3400e-003**	**0.0140**	**0.0166**	**7.0000e-005**	**1.8600e-003**	**2.8000e-004**	**2.1400e-003**	**5.1000e-004**	**2.6000e-004**	**7.7000e-004**	**0.0000**	**5.2036**	**5.2036**	**6.0000e-005**	**0.0000**	**5.2048**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.4500e-003	0.0000	6.4500e-003	9.8000e-004	0.0000	9.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8800e-003	0.0351	0.0399	6.0000e-005		1.9600e-003	1.9600e-003		1.8800e-003	1.8800e-003	0.0000	5.2241	5.2241	9.8000e-004	0.0000	5.2446
Total	**3.8800e-003**	**0.0351**	**0.0399**	**6.0000e-005**	**6.4500e-003**	**1.9600e-003**	**8.4100e-003**	**9.8000e-004**	**1.8800e-003**	**2.8600e-003**	**0.0000**	**5.2241**	**5.2241**	**9.8000e-004**	**0.0000**	**5.2446**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2200e-003	0.0139	0.0148	6.0000e-005	1.3100e-003	2.8000e-004	1.5900e-003	3.6000e-004	2.6000e-004	6.2000e-004	0.0000	4.7849	4.7849	4.0000e-005	0.0000	4.7857
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.7000e-004	1.8100e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4187	0.4187	2.0000e-005	0.0000	0.4191
Total	**1.3400e-003**	**0.0140**	**0.0166**	**7.0000e-005**	**1.8600e-003**	**2.8000e-004**	**2.1400e-003**	**5.1000e-004**	**2.6000e-004**	**7.7000e-004**	**0.0000**	**5.2036**	**5.2036**	**6.0000e-005**	**0.0000**	**5.2048**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1000e-004	3.9900e-003	3.3700e-003	0.0000		2.3000e-004	2.3000e-004		2.1000e-004	2.1000e-004	0.0000	0.4096	0.4096	1.3000e-004	0.0000	0.4124
Total	**4.1000e-004**	**3.9900e-003**	**3.3700e-003**	**0.0000**	**2.7000e-004**	**2.3000e-004**	**5.0000e-004**	**3.0000e-005**	**2.1000e-004**	**2.4000e-004**	**0.0000**	**0.4096**	**0.4096**	**1.3000e-004**	**0.0000**	**0.4124**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0209	0.0209	0.0000	0.0000	0.0210
Total	**1.0000e-005**	**1.0000e-005**	**9.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0209**	**0.0209**	**0.0000**	**0.0000**	**0.0210**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1000e-004	3.9900e-003	3.3700e-003	0.0000		2.3000e-004	2.3000e-004		2.1000e-004	2.1000e-004	0.0000	0.4096	0.4096	1.3000e-004	0.0000	0.4124
Total	**4.1000e-004**	**3.9900e-003**	**3.3700e-003**	**0.0000**	**1.0000e-004**	**2.3000e-004**	**3.3000e-004**	**1.0000e-005**	**2.1000e-004**	**2.2000e-004**	**0.0000**	**0.4096**	**0.4096**	**1.3000e-004**	**0.0000**	**0.4124**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	9.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0209	0.0209	0.0000	0.0000	0.0210
Total	**1.0000e-005**	**1.0000e-005**	**9.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0209**	**0.0209**	**0.0000**	**0.0000**	**0.0210**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8000e-004	7.0200e-003	7.9700e-003	1.0000e-005		3.9000e-004	3.9000e-004		3.8000e-004	3.8000e-004	0.0000	1.0448	1.0448	2.0000e-004	0.0000	1.0489
Total	**7.8000e-004**	**7.0200e-003**	**7.9700e-003**	**1.0000e-005**	**7.5000e-004**	**3.9000e-004**	**1.1400e-003**	**4.1000e-004**	**3.8000e-004**	**7.9000e-004**	**0.0000**	**1.0448**	**1.0448**	**2.0000e-004**	**0.0000**	**1.0489**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	3.6000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0837	0.0837	0.0000	0.0000	0.0838
Total	**2.0000e-005**	**3.0000e-005**	**3.6000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0837**	**0.0837**	**0.0000**	**0.0000**	**0.0838**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.9000e-004	0.0000	2.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.8000e-004	7.0200e-003	7.9700e-003	1.0000e-005		3.9000e-004	3.9000e-004		3.8000e-004	3.8000e-004	0.0000	1.0448	1.0448	2.0000e-004	0.0000	1.0489
Total	**7.8000e-004**	**7.0200e-003**	**7.9700e-003**	**1.0000e-005**	**2.9000e-004**	**3.9000e-004**	**6.8000e-004**	**1.6000e-004**	**3.8000e-004**	**5.4000e-004**	**0.0000**	**1.0448**	**1.0448**	**2.0000e-004**	**0.0000**	**1.0489**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	3.6000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0837	0.0837	0.0000	0.0000	0.0838
Total	**2.0000e-005**	**3.0000e-005**	**3.6000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0837**	**0.0837**	**0.0000**	**0.0000**	**0.0838**

3.5 Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1000e-003	0.0288	0.0257	4.0000e-005		1.9200e-003	1.9200e-003		1.7700e-003	1.7700e-003	0.0000	3.0443	3.0443	9.5000e-004	0.0000	3.0642
Total	**3.1000e-003**	**0.0288**	**0.0257**	**4.0000e-005**		**1.9200e-003**	**1.9200e-003**		**1.7700e-003**	**1.7700e-003**	**0.0000**	**3.0443**	**3.0443**	**9.5000e-004**	**0.0000**	**3.0642**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	1.4000e-004	1.4500e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3350	0.3350	1.0000e-005	0.0000	0.3353

Total	**9.0000e-005**	**1.4000e-004**	**1.4500e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3350**	**0.3350**	**1.0000e-005**	**0.0000**	**0.3353**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.1000e-003	0.0288	0.0257	4.0000e-005		1.9200e-003	1.9200e-003		1.7700e-003	1.7700e-003	0.0000	3.0442	3.0442	9.5000e-004	0.0000	3.0642
Total	**3.1000e-003**	**0.0288**	**0.0257**	**4.0000e-005**		**1.9200e-003**	**1.9200e-003**		**1.7700e-003**	**1.7700e-003**	**0.0000**	**3.0442**	**3.0442**	**9.5000e-004**	**0.0000**	**3.0642**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	1.4000e-004	1.4500e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3350	0.3350	1.0000e-005	0.0000	0.3353
Total	**9.0000e-005**	**1.4000e-004**	**1.4500e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3350**	**0.3350**	**1.0000e-005**	**0.0000**	**0.3353**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0385	0.3966	0.3621	5.7000e-004		0.0223	0.0223		0.0205	0.0205	0.0000	49.7667	49.7667	0.0161	0.0000	50.1048
Total	**0.0385**	**0.3966**	**0.3621**	**5.7000e-004**		**0.0223**	**0.0223**		**0.0205**	**0.0205**	**0.0000**	**49.7667**	**49.7667**	**0.0161**	**0.0000**	**50.1048**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3400e-003	0.0103	0.0189	4.0000e-005	1.2300e-003	1.8000e-004	1.4100e-003	3.5000e-004	1.6000e-004	5.2000e-004	0.0000	3.6507	3.6507	3.0000e-005	0.0000	3.6513
Worker	1.3100e-003	1.8800e-003	0.0199	7.0000e-005	6.0400e-003	4.0000e-005	6.0800e-003	1.6000e-003	4.0000e-005	1.6400e-003	0.0000	4.6059	4.6059	2.0000e-004	0.0000	4.6102
Total	**2.6500e-003**	**0.0122**	**0.0388**	**1.1000e-004**	**7.2700e-003**	**2.2000e-004**	**7.4900e-003**	**1.9500e-003**	**2.0000e-004**	**2.1600e-003**	**0.0000**	**8.2566**	**8.2566**	**2.3000e-004**	**0.0000**	**8.2614**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0385	0.3966	0.3621	5.7000e-004		0.0223	0.0223		0.0205	0.0205	0.0000	49.7667	49.7667	0.0161	0.0000	50.1047
Total	**0.0385**	**0.3966**	**0.3621**	**5.7000e-004**		**0.0223**	**0.0223**		**0.0205**	**0.0205**	**0.0000**	**49.7667**	**49.7667**	**0.0161**	**0.0000**	**50.1047**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3400e-003	0.0103	0.0189	4.0000e-005	1.2300e-003	1.8000e-004	1.4100e-003	3.5000e-004	1.6000e-004	5.2000e-004	0.0000	3.6507	3.6507	3.0000e-005	0.0000	3.6513
Worker	1.3100e-003	1.8800e-003	0.0199	7.0000e-005	6.0400e-003	4.0000e-005	6.0800e-003	1.6000e-003	4.0000e-005	1.6400e-003	0.0000	4.6059	4.6059	2.0000e-004	0.0000	4.6102
Total	**2.6500e-003**	**0.0122**	**0.0388**	**1.1000e-004**	**7.2700e-003**	**2.2000e-004**	**7.4900e-003**	**1.9500e-003**	**2.0000e-004**	**2.1600e-003**	**0.0000**	**8.2566**	**8.2566**	**2.3000e-004**	**0.0000**	**8.2614**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7800e-003	0.0166	0.0175	3.0000e-005		8.7000e-004	8.7000e-004		8.1000e-004	8.1000e-004	0.0000	2.3134	2.3134	6.7000e-004	0.0000	2.3275
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.7800e-003**	**0.0166**	**0.0175**	**3.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.1000e-004**	**8.1000e-004**	**0.0000**	**2.3134**	**2.3134**	**6.7000e-004**	**0.0000**	**2.3275**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.6300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3769	0.3769	2.0000e-005	0.0000	0.3772
Total	**1.1000e-004**	**1.5000e-004**	**1.6300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3769**	**0.3769**	**2.0000e-005**	**0.0000**	**0.3772**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7800e-003	0.0166	0.0175	3.0000e-005		8.7000e-004	8.7000e-004		8.1000e-004	8.1000e-004	0.0000	2.3134	2.3134	6.7000e-004	0.0000	2.3275
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.7800e-003**	**0.0166**	**0.0175**	**3.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.1000e-004**	**8.1000e-004**	**0.0000**	**2.3134**	**2.3134**	**6.7000e-004**	**0.0000**	**2.3275**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.6300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3769	0.3769	2.0000e-005	0.0000	0.3772
Total	**1.1000e-004**	**1.5000e-004**	**1.6300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3769**	**0.3769**	**2.0000e-005**	**0.0000**	**0.3772**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1159					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6392
Total	**0.1164**	**3.8200e-003**	**4.5400e-003**	**1.0000e-005**		**2.4000e-004**	**2.4000e-004**		**2.4000e-004**	**2.4000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6392**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	2.0000e-005	1.8000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0419	0.0419	0.0000	0.0000	0.0419

Total	**1.0000e-005**	**2.0000e-005**	**1.8000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0419**	**0.0419**	**0.0000**	**0.0000**	**0.0419**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1159					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5000e-004	3.8200e-003	4.5400e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6392
Total	**0.1164**	**3.8200e-003**	**4.5400e-003**	**1.0000e-005**		**2.4000e-004**	**2.4000e-004**		**2.4000e-004**	**2.4000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6392**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	2.0000e-005	1.8000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0419	0.0419	0.0000	0.0000	0.0419
Total	**1.0000e-005**	**2.0000e-005**	**1.8000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0419**	**0.0419**	**0.0000**	**0.0000**	**0.0419**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2177	0.4372	2.2976	8.5000e-003	0.6111	8.6000e-003	0.6197	0.1633	7.9400e-003	0.1713	0.0000	567.5030	567.5030	0.0190	0.0000	567.9026
Unmitigated	0.2177	0.4372	2.2976	8.5000e-003	0.6111	8.6000e-003	0.6197	0.1633	7.9400e-003	0.1713	0.0000	567.5030	567.5030	0.0190	0.0000	567.9026

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	687.25	280.75	30.25	1,616,862	1,616,862
Total	687.25	280.75	30.25	1,616,862	1,616,862

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.503435	0.056741	0.195441	0.152143	0.042270	0.006027	0.016168	0.016833	0.001466	0.002186	0.004340	0.000491	0.002459

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	100.5161	100.5161	4.6200e-003	9.6000e-004	100.9095
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	100.5161	100.5161	4.6200e-003	9.6000e-004	100.9095
NaturalGas Mitigated	2.1400e-003	0.0194	0.0163	1.2000e-004		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003	0.0000	21.1588	21.1588	4.1000e-004	3.9000e-004	21.2875
NaturalGas Unmitigated	2.1400e-003	0.0194	0.0163	1.2000e-004		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003	0.0000	21.1588	21.1588	4.1000e-004	3.9000e-004	21.2875

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	396500	2.1400e-003	0.0194	0.0163	1.2000e-004		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003	0.0000	21.1588	21.1588	4.1000e-004	3.9000e-004	21.2875
Total		**2.1400e-003**	**0.0194**	**0.0163**	**1.2000e-004**		**1.4800e-003**	**1.4800e-003**		**1.4800e-003**	**1.4800e-003**	**0.0000**	**21.1588**	**21.1588**	**4.1000e-004**	**3.9000e-004**	**21.2875**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	396500	2.1400e-003	0.0194	0.0163	1.2000e-004		1.4800e-003	1.4800e-003		1.4800e-003	1.4800e-003	0.0000	21.1588	21.1588	4.1000e-004	3.9000e-004	21.2875
Total		**2.1400e-003**	**0.0194**	**0.0163**	**1.2000e-004**		**1.4800e-003**	**1.4800e-003**		**1.4800e-003**	**1.4800e-003**	**0.0000**	**21.1588**	**21.1588**	**4.1000e-004**	**3.9000e-004**	**21.2875**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	351250	100.5161	4.6200e-003	9.6000e-004	100.9095
Total		**100.5161**	**4.6200e-003**	**9.6000e-004**	**100.9095**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	351250	100.5161	4.6200e-003	9.6000e-004	100.9095
Total		**100.5161**	**4.6200e-003**	**9.6000e-004**	**100.9095**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1193	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.2000e-004	6.2000e-004	0.0000	0.0000	6.5000e-004
Unmitigated	0.1193	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.2000e-004	6.2000e-004	0.0000	0.0000	6.5000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0290					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0903					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.2000e-004	6.2000e-004	0.0000	0.0000	6.5000e-004
Total	**0.1193**	**0.0000**	**3.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**6.2000e-004**	**6.2000e-004**	**0.0000**	**0.0000**	**6.5000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0290					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0903					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.2000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.2000e-004	6.2000e-004	0.0000	0.0000	6.5000e-004
Total	**0.1193**	**0.0000**	**3.2000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**6.2000e-004**	**6.2000e-004**	**0.0000**	**0.0000**	**6.5000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	11.0559	0.0404	1.0400e-003	12.2286
Unmitigated	11.0559	0.0405	1.0400e-003	12.2292

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	1.22623 / 1.91794	11.0559	0.0405	1.0400e-003	12.2292

Total		**11.0559**	**0.0405**	**1.0400e-003**	**12.2292**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	1.22623 / 1.91794	11.0559	0.0404	1.0400e-003	12.2286
Total		**11.0559**	**0.0404**	**1.0400e-003**	**12.2286**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.5972	0.3899	0.0000	14.7848
Unmitigated	6.5972	0.3899	0.0000	14.7848

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	32.5	6.5972	0.3899	0.0000	14.7848
Total		**6.5972**	**0.3899**	**0.0000**	**14.7848**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	32.5	6.5972	0.3899	0.0000	14.7848
Total		**6.5972**	**0.3899**	**0.0000**	**14.7848**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Unscheduled - Multidisciplinary Building

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	25.00	1000sqft	0.29	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Multidiscipliary Building will be multiple stories

Construction Phase - modified

Off-road Equipment - modified

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Architectural Coating - Modifed

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value

tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblLandUse	LotAcreage	0.57	0.29
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblProjectCharacteristics	OperationalYear	2014	2023

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	46.5738	9.6925	10.9714	0.0246	3.6839	0.4519	4.1335	0.6031	0.4275	1.0306	0.0000	2,303.7154	2,303.7154	0.3599	0.0000	2,311.2727
Total	**46.5738**	**9.6925**	**10.9714**	**0.0246**	**3.6839**	**0.4519**	**4.1335**	**0.6031**	**0.4275**	**1.0306**	**0.0000**	**2,303.7154**	**2,303.7154**	**0.3599**	**0.0000**	**2,311.2727**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2021	46.5738	9.6925	10.9714	0.0246	1.6676	0.4519	2.1171	0.2979	0.4275	0.7253	0.0000	2,303.7154	2,303.7154	0.3599	0.0000	2,311.2727
Total	**46.5738**	**9.6925**	**10.9714**	**0.0246**	**1.6676**	**0.4519**	**2.1171**	**0.2979**	**0.4275**	**0.7253**	**0.0000**	**2,303.7154**	**2,303.7154**	**0.3599**	**0.0000**	**2,311.2727**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.73**	**0.00**	**48.78**	**50.62**	**0.00**	**29.62**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6540	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.7700e-003
Energy	0.0117	0.1065	0.0895	6.4000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003		127.8002	127.8002	2.4500e-003	2.3400e-003	128.5779
Mobile	1.5451	2.8615	16.2049	0.0620	4.3879	0.0607	4.4486	1.1710	0.0560	1.2270		4,558.6838	4,558.6838	0.1481		4,561.7932
Total	**2.2108**	**2.9680**	**16.2969**	**0.0627**	**4.3879**	**0.0688**	**4.4567**	**1.1710**	**0.0641**	**1.2351**		**4,686.4894**	**4,686.4894**	**0.1505**	**2.3400e-003**	**4,690.3769**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6540	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.7700e-003

Energy	0.0117	0.1065	0.0895	6.4000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003		127.8002	127.8002	2.4500e-003	2.3400e-003	128.5779
Mobile	1.5451	2.8615	16.2049	0.0620	4.3879	0.0607	4.4486	1.1710	0.0560	1.2270		4,558.6838	4,558.6838	0.1481		4,561.7932
Total	**2.2108**	**2.9680**	**16.2969**	**0.0627**	**4.3879**	**0.0688**	**4.4567**	**1.1710**	**0.0641**	**1.2351**		**4,686.4894**	**4,686.4894**	**0.1505**	**2.3400e-003**	**4,690.3769**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/1/2021	5/14/2021	5	10	
2	Site Preparation	Site Preparation	5/15/2021	5/17/2021	5	1	
3	Grading	Grading	5/18/2021	5/19/2021	5	2	
4	Trenching	Trenching	5/20/2021	6/2/2021	5	10	
5	Building Construction	Building Construction	6/3/2021	10/20/2021	5	100	
6	Paving	Paving	10/21/2021	10/27/2021	5	5	
7	Architectural Coating	Architectural Coating	10/28/2021	11/3/2021	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,500; Non-Residential Outdoor: 12,500 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20

Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Site Preparation	Graders	1	8.00	174	0.41
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Paving	Rollers	1	7.00	80	0.38
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Trenchers	1	8.00	80	0.50
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	153.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	11.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3055	0.0000	3.3055	0.5005	0.0000	0.5005			0.0000			0.0000
Off-Road	0.7764	7.0242	7.9731	0.0120		0.3930	0.3930		0.3754	0.3754		1,151.7252	1,151.7252	0.2152		1,156.2450
Total	**0.7764**	**7.0242**	**7.9731**	**0.0120**	**3.3055**	**0.3930**	**3.6984**	**0.5005**	**0.3754**	**0.8759**		**1,151.7252**	**1,151.7252**	**0.2152**		**1,156.2450**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2369	2.6381	2.6184	0.0112	0.2667	0.0558	0.3225	0.0730	0.0514	0.1244		1,055.9469	1,055.9469	8.3500e-003		1,056.1223
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0243	0.0302	0.3799	1.3600e-003	0.1118	7.7000e-004	0.1126	0.0296	7.2000e-004	0.0304		96.0433	96.0433	4.0300e-003		96.1279
Total	**0.2612**	**2.6683**	**2.9983**	**0.0126**	**0.3784**	**0.0566**	**0.4350**	**0.1027**	**0.0521**	**0.1548**		**1,151.9902**	**1,151.9902**	**0.0124**		**1,152.2502**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2891	0.0000	1.2891	0.1952	0.0000	0.1952			0.0000			0.0000
Off-Road	0.7764	7.0242	7.9731	0.0120		0.3930	0.3930		0.3754	0.3754	0.0000	1,151.7252	1,151.7252	0.2152		1,156.2450
Total	**0.7764**	**7.0242**	**7.9731**	**0.0120**	**1.2891**	**0.3930**	**1.6821**	**0.1952**	**0.3754**	**0.5706**	**0.0000**	**1,151.7252**	**1,151.7252**	**0.2152**		**1,156.2450**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2369	2.6381	2.6184	0.0112	0.2667	0.0558	0.3225	0.0730	0.0514	0.1244		1,055.9469	1,055.9469	8.3500e-003		1,056.1223
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0243	0.0302	0.3799	1.3600e-003	0.1118	7.7000e-004	0.1126	0.0296	7.2000e-004	0.0304		96.0433	96.0433	4.0300e-003		96.1279
Total	**0.2612**	**2.6683**	**2.9983**	**0.0126**	**0.3784**	**0.0566**	**0.4350**	**0.1027**	**0.0521**	**0.1548**		**1,151.9902**	**1,151.9902**	**0.0124**		**1,152.2502**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.8231	7.9849	6.7382	9.3200e-003		0.4515	0.4515		0.4154	0.4154		902.9958	902.9958	0.2921		909.1288
Total	**0.8231**	**7.9849**	**6.7382**	**9.3200e-003**	**0.5303**	**0.4515**	**0.9817**	**0.0573**	**0.4154**	**0.4726**		**902.9958**	**902.9958**	**0.2921**		**909.1288**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0121	0.0151	0.1899	6.8000e-004	0.0559	3.9000e-004	0.0563	0.0148	3.6000e-004	0.0152		48.0216	48.0216	2.0200e-003		48.0640
Total	**0.0121**	**0.0151**	**0.1899**	**6.8000e-004**	**0.0559**	**3.9000e-004**	**0.0563**	**0.0148**	**3.6000e-004**	**0.0152**		**48.0216**	**48.0216**	**2.0200e-003**		**48.0640**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.8231	7.9849	6.7382	9.3200e-003		0.4515	0.4515		0.4154	0.4154	0.0000	902.9958	902.9958	0.2921		909.1288
Total	**0.8231**	**7.9849**	**6.7382**	**9.3200e-003**	**0.2068**	**0.4515**	**0.6583**	**0.0223**	**0.4154**	**0.4377**	**0.0000**	**902.9958**	**902.9958**	**0.2921**		**909.1288**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0121	0.0151	0.1899	6.8000e-004	0.0559	3.9000e-004	0.0563	0.0148	3.6000e-004	0.0152		48.0216	48.0216	2.0200e-003		48.0640
Total	**0.0121**	**0.0151**	**0.1899**	**6.8000e-004**	**0.0559**	**3.9000e-004**	**0.0563**	**0.0148**	**3.6000e-004**	**0.0152**		**48.0216**	**48.0216**	**2.0200e-003**		**48.0640**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7764	7.0242	7.9731	0.0120		0.3930	0.3930		0.3754	0.3754		1,151.7252	1,151.7252	0.2152		1,156.2450
Total	**0.7764**	**7.0242**	**7.9731**	**0.0120**	**0.7528**	**0.3930**	**1.1457**	**0.4138**	**0.3754**	**0.7892**		**1,151.7252**	**1,151.7252**	**0.2152**		**1,156.2450**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0243	0.0302	0.3799	1.3600e-003	0.1118	7.7000e-004	0.1126	0.0296	7.2000e-004	0.0304		96.0433	96.0433	4.0300e-003		96.1279
Total	**0.0243**	**0.0302**	**0.3799**	**1.3600e-003**	**0.1118**	**7.7000e-004**	**0.1126**	**0.0296**	**7.2000e-004**	**0.0304**		**96.0433**	**96.0433**	**4.0300e-003**		**96.1279**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.7764	7.0242	7.9731	0.0120		0.3930	0.3930		0.3754	0.3754	0.0000	1,151.7252	1,151.7252	0.2152		1,156.2450
Total	**0.7764**	**7.0242**	**7.9731**	**0.0120**	**0.2936**	**0.3930**	**0.6865**	**0.1614**	**0.3754**	**0.5368**	**0.0000**	**1,151.7252**	**1,151.7252**	**0.2152**		**1,156.2450**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0243	0.0302	0.3799	1.3600e-003	0.1118	7.7000e-004	0.1126	0.0296	7.2000e-004	0.0304		96.0433	96.0433	4.0300e-003		96.1279

Total	**0.0243**	**0.0302**	**0.3799**	**1.3600e-003**	**0.1118**	**7.7000e-004**	**0.1126**	**0.0296**	**7.2000e-004**	**0.0304**		**96.0433**	**96.0433**	**4.0300e-003**		**96.1279**

3.5 Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6209	5.7596	5.1481	7.0600e-003		0.3840	0.3840		0.3540	0.3540		671.1413	671.1413	0.2095		675.5405
Total	**0.6209**	**5.7596**	**5.1481**	**7.0600e-003**		**0.3840**	**0.3840**		**0.3540**	**0.3540**		**671.1413**	**671.1413**	**0.2095**		**675.5405**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0194	0.0242	0.3039	1.0900e-003	0.0894	6.2000e-004	0.0900	0.0237	5.7000e-004	0.0243		76.8346	76.8346	3.2300e-003		76.9023
Total	**0.0194**	**0.0242**	**0.3039**	**1.0900e-003**	**0.0894**	**6.2000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**76.8346**	**76.8346**	**3.2300e-003**		**76.9023**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6209	5.7596	5.1481	7.0600e-003		0.3840	0.3840		0.3540	0.3540	0.0000	671.1413	671.1413	0.2095		675.5405
Total	**0.6209**	**5.7596**	**5.1481**	**7.0600e-003**		**0.3840**	**0.3840**		**0.3540**	**0.3540**	**0.0000**	**671.1413**	**671.1413**	**0.2095**		**675.5405**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0194	0.0242	0.3039	1.0900e-003	0.0894	6.2000e-004	0.0900	0.0237	5.7000e-004	0.0243		76.8346	76.8346	3.2300e-003		76.9023
Total	**0.0194**	**0.0242**	**0.3039**	**1.0900e-003**	**0.0894**	**6.2000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**76.8346**	**76.8346**	**3.2300e-003**		**76.9023**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098		1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**		**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0254	0.1986	0.3187	8.6000e-004	0.0250	3.5700e-003	0.0286	7.1200e-003	3.2900e-003	0.0104		80.7727	80.7727	5.9000e-004		80.7851
Worker	0.0267	0.0332	0.4179	1.5000e-003	0.1230	8.5000e-004	0.1238	0.0326	7.9000e-004	0.0334		105.6476	105.6476	4.4300e-003		105.7407
Total	**0.0521**	**0.2318**	**0.7365**	**2.3600e-003**	**0.1480**	**4.4200e-003**	**0.1524**	**0.0397**	**4.0800e-003**	**0.0438**		**186.4203**	**186.4203**	**5.0200e-003**		**186.5258**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098	0.0000	1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**	**0.0000**	**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0254	0.1986	0.3187	8.6000e-004	0.0250	3.5700e-003	0.0286	7.1200e-003	3.2900e-003	0.0104		80.7727	80.7727	5.9000e-004		80.7851
Worker	0.0267	0.0332	0.4179	1.5000e-003	0.1230	8.5000e-004	0.1238	0.0326	7.9000e-004	0.0334		105.6476	105.6476	4.4300e-003		105.7407
Total	**0.0521**	**0.2318**	**0.7365**	**2.3600e-003**	**0.1480**	**4.4200e-003**	**0.1524**	**0.0397**	**4.0800e-003**	**0.0438**		**186.4203**	**186.4203**	**5.0200e-003**		**186.5258**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247		1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**		**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0544	0.6838	2.4600e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		172.8779	172.8779	7.2600e-003		173.0302
Total	**0.0437**	**0.0544**	**0.6838**	**2.4600e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**172.8779**	**172.8779**	**7.2600e-003**		**173.0302**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247	0.0000	1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**	**0.0000**	**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0544	0.6838	2.4600e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		172.8779	172.8779	7.2600e-003		173.0302

Total	**0.0437**	**0.0544**	**0.6838**	**2.4600e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**172.8779**	**172.8779**	**7.2600e-003**		**173.0302**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	46.3500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	**46.5689**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.8537**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.8600e-003	6.0400e-003	0.0760	2.7000e-004	0.0224	1.5000e-004	0.0225	5.9300e-003	1.4000e-004	6.0700e-003		19.2087	19.2087	8.1000e-004		19.2256
Total	**4.8600e-003**	**6.0400e-003**	**0.0760**	**2.7000e-004**	**0.0224**	**1.5000e-004**	**0.0225**	**5.9300e-003**	**1.4000e-004**	**6.0700e-003**		**19.2087**	**19.2087**	**8.1000e-004**		**19.2256**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	46.3500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	**46.5689**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.8537**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.8600e-003	6.0400e-003	0.0760	2.7000e-004	0.0224	1.5000e-004	0.0225	5.9300e-003	1.4000e-004	6.0700e-003		19.2087	19.2087	8.1000e-004		19.2256
Total	**4.8600e-003**	**6.0400e-003**	**0.0760**	**2.7000e-004**	**0.0224**	**1.5000e-004**	**0.0225**	**5.9300e-003**	**1.4000e-004**	**6.0700e-003**		**19.2087**	**19.2087**	**8.1000e-004**		**19.2256**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5451	2.8615	16.2049	0.0620	4.3879	0.0607	4.4486	1.1710	0.0560	1.2270		4,558.6838	4,558.6838	0.1481		4,561.7932
Unmitigated	1.5451	2.8615	16.2049	0.0620	4.3879	0.0607	4.4486	1.1710	0.0560	1.2270		4,558.6838	4,558.6838	0.1481		4,561.7932

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	687.25	280.75	30.25	1,616,862	1,616,862
Total	687.25	280.75	30.25	1,616,862	1,616,862

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.503435	0.056741	0.195441	0.152143	0.042270	0.006027	0.016168	0.016833	0.001466	0.002186	0.004340	0.000491	0.002459

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day					
NaturalGas Mitigated	0.0117	0.1065	0.0895	6.4000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003		127.8002	127.8002	2.4500e-003	2.3400e-003	128.5779
NaturalGas Unmitigated	0.0117	0.1065	0.0895	6.4000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003		127.8002	127.8002	2.4500e-003	2.3400e-003	128.5779

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1086.3	0.0117	0.1065	0.0895	6.4000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003		127.8002	127.8002	2.4500e-003	2.3400e-003	128.5779
Total		**0.0117**	**0.1065**	**0.0895**	**6.4000e-004**		**8.0900e-003**	**8.0900e-003**		**8.0900e-003**	**8.0900e-003**		**127.8002**	**127.8002**	**2.4500e-003**	**2.3400e-003**	**128.5779**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1.0863	0.0117	0.1065	0.0895	6.4000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003		127.8002	127.8002	2.4500e-003	2.3400e-003	128.5779
Total		**0.0117**	**0.1065**	**0.0895**	**6.4000e-004**		**8.0900e-003**	**8.0900e-003**		**8.0900e-003**	**8.0900e-003**		**127.8002**	**127.8002**	**2.4500e-003**	**2.3400e-003**	**128.5779**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6540	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.7700e-003
Unmitigated	0.6540	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.7700e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4950					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.7700e-003
Total	**0.6540**	**2.0000e-005**	**2.5500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.4700e-003**	**5.4700e-003**	**1.0000e-005**		**5.7700e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4950					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.7700e-003
Total	**0.6540**	**2.0000e-005**	**2.5500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.4700e-003**	**5.4700e-003**	**1.0000e-005**		**5.7700e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Unscheduled - Multidisciplinary Building

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	25.00	1000sqft	0.29	25,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Multidiscipliary Building will be multiple stories

Construction Phase - modified

Off-road Equipment - modified

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition -

Architectural Coating - Modifed

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value

tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblLandUse	LotAcreage	0.57	0.29
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblProjectCharacteristics	OperationalYear	2014	2023

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	46.5740	9.7846	11.4029	0.0245	3.6839	0.4519	4.1336	0.6031	0.4276	1.0307	0.0000	2,296.0878	2,296.0878	0.3599	0.0000	2,303.6455
Total	**46.5740**	**9.7846**	**11.4029**	**0.0245**	**3.6839**	**0.4519**	**4.1336**	**0.6031**	**0.4276**	**1.0307**	**0.0000**	**2,296.0878**	**2,296.0878**	**0.3599**	**0.0000**	**2,303.6455**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2021	46.5740	9.7846	11.4029	0.0245	1.6676	0.4519	2.1173	0.2979	0.4276	0.7254	0.0000	2,296.0878	2,296.0878	0.3599	0.0000	2,303.6455
Total	**46.5740**	**9.7846**	**11.4029**	**0.0245**	**1.6676**	**0.4519**	**2.1173**	**0.2979**	**0.4276**	**0.7254**	**0.0000**	**2,296.0878**	**2,296.0878**	**0.3599**	**0.0000**	**2,303.6455**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.73**	**0.00**	**48.78**	**50.62**	**0.00**	**29.62**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6540	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.7700e-003
Energy	0.0117	0.1065	0.0895	6.4000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003		127.8002	127.8002	2.4500e-003	2.3400e-003	128.5779
Mobile	1.6286	3.0250	16.1332	0.0593	4.3879	0.0608	4.4487	1.1710	0.0562	1.2272		4,364.2139	4,364.2139	0.1482		4,367.3262
Total	**2.2943**	**3.1315**	**16.2252**	**0.0599**	**4.3879**	**0.0689**	**4.4568**	**1.1710**	**0.0643**	**1.2353**		**4,492.0196**	**4,492.0196**	**0.1507**	**2.3400e-003**	**4,495.9099**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6540	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.7700e-003

Energy	0.0117	0.1065	0.0895	6.4000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003		127.8002	127.8002	2.4500e-003	2.3400e-003	128.5779
Mobile	1.6286	3.0250	16.1332	0.0593	4.3879	0.0608	4.4487	1.1710	0.0562	1.2272		4,364.2139	4,364.2139	0.1482		4,367.3262
Total	**2.2943**	**3.1315**	**16.2252**	**0.0599**	**4.3879**	**0.0689**	**4.4568**	**1.1710**	**0.0643**	**1.2353**		**4,492.0196**	**4,492.0196**	**0.1507**	**2.3400e-003**	**4,495.9099**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/1/2021	5/14/2021	5	10	
2	Site Preparation	Site Preparation	5/15/2021	5/17/2021	5	1	
3	Grading	Grading	5/18/2021	5/19/2021	5	2	
4	Trenching	Trenching	5/20/2021	6/2/2021	5	10	
5	Building Construction	Building Construction	6/3/2021	10/20/2021	5	100	
6	Paving	Paving	10/21/2021	10/27/2021	5	5	
7	Architectural Coating	Architectural Coating	10/28/2021	11/3/2021	5	5	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 37,500; Non-Residential Outdoor: 12,500 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20

Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Site Preparation	Graders	1	8.00	174	0.41
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Paving	Rollers	1	7.00	80	0.38
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Trenchers	1	8.00	80	0.50
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	153.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	11.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3055	0.0000	3.3055	0.5005	0.0000	0.5005			0.0000			0.0000
Off-Road	0.7764	7.0242	7.9731	0.0120		0.3930	0.3930		0.3754	0.3754		1,151.7252	1,151.7252	0.2152		1,156.2450
Total	**0.7764**	**7.0242**	**7.9731**	**0.0120**	**3.3055**	**0.3930**	**3.6984**	**0.5005**	**0.3754**	**0.8759**		**1,151.7252**	**1,151.7252**	**0.2152**		**1,156.2450**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2474	2.7273	3.0761	0.0112	0.2667	0.0560	0.3226	0.0730	0.0515	0.1245		1,053.4279	1,053.4279	8.4800e-003		1,053.6059
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0332	0.3536	1.2900e-003	0.1118	7.7000e-004	0.1126	0.0296	7.2000e-004	0.0304		90.9347	90.9347	4.0300e-003		91.0194
Total	**0.2729**	**2.7605**	**3.4298**	**0.0125**	**0.3784**	**0.0567**	**0.4352**	**0.1027**	**0.0522**	**0.1549**		**1,144.3626**	**1,144.3626**	**0.0125**		**1,144.6252**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2891	0.0000	1.2891	0.1952	0.0000	0.1952			0.0000			0.0000
Off-Road	0.7764	7.0242	7.9731	0.0120		0.3930	0.3930		0.3754	0.3754	0.0000	1,151.7252	1,151.7252	0.2152		1,156.2450
Total	**0.7764**	**7.0242**	**7.9731**	**0.0120**	**1.2891**	**0.3930**	**1.6821**	**0.1952**	**0.3754**	**0.5706**	**0.0000**	**1,151.7252**	**1,151.7252**	**0.2152**		**1,156.2450**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2474	2.7273	3.0761	0.0112	0.2667	0.0560	0.3226	0.0730	0.0515	0.1245		1,053.4279	1,053.4279	8.4800e-003		1,053.6059
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0332	0.3536	1.2900e-003	0.1118	7.7000e-004	0.1126	0.0296	7.2000e-004	0.0304		90.9347	90.9347	4.0300e-003		91.0194
Total	**0.2729**	**2.7605**	**3.4298**	**0.0125**	**0.3784**	**0.0567**	**0.4352**	**0.1027**	**0.0522**	**0.1549**		**1,144.3626**	**1,144.3626**	**0.0125**		**1,144.6252**

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.8231	7.9849	6.7382	9.3200e-003		0.4515	0.4515		0.4154	0.4154		902.9958	902.9958	0.2921		909.1288
Total	**0.8231**	**7.9849**	**6.7382**	**9.3200e-003**	**0.5303**	**0.4515**	**0.9817**	**0.0573**	**0.4154**	**0.4726**		**902.9958**	**902.9958**	**0.2921**		**909.1288**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0127	0.0166	0.1768	6.5000e-004	0.0559	3.9000e-004	0.0563	0.0148	3.6000e-004	0.0152		45.4674	45.4674	2.0200e-003		45.5097
Total	**0.0127**	**0.0166**	**0.1768**	**6.5000e-004**	**0.0559**	**3.9000e-004**	**0.0563**	**0.0148**	**3.6000e-004**	**0.0152**		**45.4674**	**45.4674**	**2.0200e-003**		**45.5097**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.8231	7.9849	6.7382	9.3200e-003		0.4515	0.4515		0.4154	0.4154	0.0000	902.9958	902.9958	0.2921		909.1288
Total	**0.8231**	**7.9849**	**6.7382**	**9.3200e-003**	**0.2068**	**0.4515**	**0.6583**	**0.0223**	**0.4154**	**0.4377**	**0.0000**	**902.9958**	**902.9958**	**0.2921**		**909.1288**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0127	0.0166	0.1768	6.5000e-004	0.0559	3.9000e-004	0.0563	0.0148	3.6000e-004	0.0152		45.4674	45.4674	2.0200e-003		45.5097
Total	**0.0127**	**0.0166**	**0.1768**	**6.5000e-004**	**0.0559**	**3.9000e-004**	**0.0563**	**0.0148**	**3.6000e-004**	**0.0152**		**45.4674**	**45.4674**	**2.0200e-003**		**45.5097**

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.7764	7.0242	7.9731	0.0120		0.3930	0.3930		0.3754	0.3754		1,151.7252	1,151.7252	0.2152		1,156.2450
Total	**0.7764**	**7.0242**	**7.9731**	**0.0120**	**0.7528**	**0.3930**	**1.1457**	**0.4138**	**0.3754**	**0.7892**		**1,151.7252**	**1,151.7252**	**0.2152**		**1,156.2450**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0332	0.3536	1.2900e-003	0.1118	7.7000e-004	0.1126	0.0296	7.2000e-004	0.0304		90.9347	90.9347	4.0300e-003		91.0194
Total	**0.0255**	**0.0332**	**0.3536**	**1.2900e-003**	**0.1118**	**7.7000e-004**	**0.1126**	**0.0296**	**7.2000e-004**	**0.0304**		**90.9347**	**90.9347**	**4.0300e-003**		**91.0194**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.7764	7.0242	7.9731	0.0120		0.3930	0.3930		0.3754	0.3754	0.0000	1,151.7252	1,151.7252	0.2152		1,156.2450
Total	**0.7764**	**7.0242**	**7.9731**	**0.0120**	**0.2936**	**0.3930**	**0.6865**	**0.1614**	**0.3754**	**0.5368**	**0.0000**	**1,151.7252**	**1,151.7252**	**0.2152**		**1,156.2450**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0332	0.3536	1.2900e-003	0.1118	7.7000e-004	0.1126	0.0296	7.2000e-004	0.0304		90.9347	90.9347	4.0300e-003		91.0194

Total	**0.0255**	**0.0332**	**0.3536**	**1.2900e-003**	**0.1118**	**7.7000e-004**	**0.1126**	**0.0296**	**7.2000e-004**	**0.0304**		**90.9347**	**90.9347**	**4.0300e-003**		**91.0194**

3.5 Trenching - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6209	5.7596	5.1481	7.0600e-003		0.3840	0.3840		0.3540	0.3540		671.1413	671.1413	0.2095		675.5405
Total	**0.6209**	**5.7596**	**5.1481**	**7.0600e-003**		**0.3840**	**0.3840**		**0.3540**	**0.3540**		**671.1413**	**671.1413**	**0.2095**		**675.5405**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0266	0.2829	1.0300e-003	0.0894	6.2000e-004	0.0900	0.0237	5.7000e-004	0.0243		72.7478	72.7478	3.2300e-003		72.8155
Total	**0.0204**	**0.0266**	**0.2829**	**1.0300e-003**	**0.0894**	**6.2000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**72.7478**	**72.7478**	**3.2300e-003**		**72.8155**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6209	5.7596	5.1481	7.0600e-003		0.3840	0.3840		0.3540	0.3540	0.0000	671.1413	671.1413	0.2095		675.5405
Total	**0.6209**	**5.7596**	**5.1481**	**7.0600e-003**		**0.3840**	**0.3840**		**0.3540**	**0.3540**	**0.0000**	**671.1413**	**671.1413**	**0.2095**		**675.5405**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0266	0.2829	1.0300e-003	0.0894	6.2000e-004	0.0900	0.0237	5.7000e-004	0.0243		72.7478	72.7478	3.2300e-003		72.8155
Total	**0.0204**	**0.0266**	**0.2829**	**1.0300e-003**	**0.0894**	**6.2000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**72.7478**	**72.7478**	**3.2300e-003**		**72.8155**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098		1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**		**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0276	0.2029	0.3979	8.6000e-004	0.0250	3.6000e-003	0.0286	7.1200e-003	3.3100e-003	0.0104		80.0864	80.0864	6.1000e-004		80.0992
Worker	0.0280	0.0365	0.3890	1.4200e-003	0.1230	8.5000e-004	0.1238	0.0326	7.9000e-004	0.0334		100.0282	100.0282	4.4300e-003		100.1213
Total	**0.0556**	**0.2394**	**0.7869**	**2.2800e-003**	**0.1480**	**4.4500e-003**	**0.1524**	**0.0397**	**4.1000e-003**	**0.0438**		**180.1146**	**180.1146**	**5.0400e-003**		**180.2205**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098	0.0000	1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**	**0.0000**	**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0276	0.2029	0.3979	8.6000e-004	0.0250	3.6000e-003	0.0286	7.1200e-003	3.3100e-003	0.0104		80.0864	80.0864	6.1000e-004		80.0992
Worker	0.0280	0.0365	0.3890	1.4200e-003	0.1230	8.5000e-004	0.1238	0.0326	7.9000e-004	0.0334		100.0282	100.0282	4.4300e-003		100.1213
Total	**0.0556**	**0.2394**	**0.7869**	**2.2800e-003**	**0.1480**	**4.4500e-003**	**0.1524**	**0.0397**	**4.1000e-003**	**0.0438**		**180.1146**	**180.1146**	**5.0400e-003**		**180.2205**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247		1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**		**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0597	0.6365	2.3200e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		163.6825	163.6825	7.2600e-003		163.8349
Total	**0.0458**	**0.0597**	**0.6365**	**2.3200e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**163.6825**	**163.6825**	**7.2600e-003**		**163.8349**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247	0.0000	1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**	**0.0000**	**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0597	0.6365	2.3200e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		163.6825	163.6825	7.2600e-003		163.8349

Total	**0.0458**	**0.0597**	**0.6365**	**2.3200e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**163.6825**	**163.6825**	**7.2600e-003**		**163.8349**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	46.3500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	**46.5689**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.8537**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	5.0900e-003	6.6400e-003	0.0707	2.6000e-004	0.0224	1.5000e-004	0.0225	5.9300e-003	1.4000e-004	6.0700e-003		18.1870	18.1870	8.1000e-004		18.2039
Total	**5.0900e-003**	**6.6400e-003**	**0.0707**	**2.6000e-004**	**0.0224**	**1.5000e-004**	**0.0225**	**5.9300e-003**	**1.4000e-004**	**6.0700e-003**		**18.1870**	**18.1870**	**8.1000e-004**		**18.2039**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	46.3500					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	**46.5689**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.8537**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	5.0900e-003	6.6400e-003	0.0707	2.6000e-004	0.0224	1.5000e-004	0.0225	5.9300e-003	1.4000e-004	6.0700e-003		18.1870	18.1870	8.1000e-004		18.2039
Total	**5.0900e-003**	**6.6400e-003**	**0.0707**	**2.6000e-004**	**0.0224**	**1.5000e-004**	**0.0225**	**5.9300e-003**	**1.4000e-004**	**6.0700e-003**		**18.1870**	**18.1870**	**8.1000e-004**		**18.2039**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.6286	3.0250	16.1332	0.0593	4.3879	0.0608	4.4487	1.1710	0.0562	1.2272		4,364.2139	4,364.2139	0.1482		4,367.3262
Unmitigated	1.6286	3.0250	16.1332	0.0593	4.3879	0.0608	4.4487	1.1710	0.0562	1.2272		4,364.2139	4,364.2139	0.1482		4,367.3262

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	687.25	280.75	30.25	1,616,862	1,616,862
Total	687.25	280.75	30.25	1,616,862	1,616,862

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.503435	0.056741	0.195441	0.152143	0.042270	0.006027	0.016168	0.016833	0.001466	0.002186	0.004340	0.000491	0.002459

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day					
NaturalGas Mitigated	0.0117	0.1065	0.0895	6.4000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003		127.8002	127.8002	2.4500e-003	2.3400e-003	128.5779
NaturalGas Unmitigated	0.0117	0.1065	0.0895	6.4000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003		127.8002	127.8002	2.4500e-003	2.3400e-003	128.5779

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1086.3	0.0117	0.1065	0.0895	6.4000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003		127.8002	127.8002	2.4500e-003	2.3400e-003	128.5779
Total		**0.0117**	**0.1065**	**0.0895**	**6.4000e-004**		**8.0900e-003**	**8.0900e-003**		**8.0900e-003**	**8.0900e-003**		**127.8002**	**127.8002**	**2.4500e-003**	**2.3400e-003**	**128.5779**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1.0863	0.0117	0.1065	0.0895	6.4000e-004		8.0900e-003	8.0900e-003		8.0900e-003	8.0900e-003		127.8002	127.8002	2.4500e-003	2.3400e-003	128.5779
Total		**0.0117**	**0.1065**	**0.0895**	**6.4000e-004**		**8.0900e-003**	**8.0900e-003**		**8.0900e-003**	**8.0900e-003**		**127.8002**	**127.8002**	**2.4500e-003**	**2.3400e-003**	**128.5779**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6540	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.7700e-003
Unmitigated	0.6540	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.7700e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4950					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.7700e-003
Total	**0.6540**	**2.0000e-005**	**2.5500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.4700e-003**	**5.4700e-003**	**1.0000e-005**		**5.7700e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1587					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4950					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.4700e-003	5.4700e-003	1.0000e-005		5.7700e-003
Total	**0.6540**	**2.0000e-005**	**2.5500e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.4700e-003**	**5.4700e-003**	**1.0000e-005**		**5.7700e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 1 - Planetarium

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	13.36	1000sqft	1.28	13,359.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - Modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Demolition -

Grading - modified

Architectural Coating - scaqmd rule 1113, Non residential interior=flat coatings= 50g/L

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblLandUse	LandUseSquareFeet	13,360.00	13,359.00
tblLandUse	LotAcreage	0.31	1.28
tblProjectCharacteristics	OperationalYear	2014	2017

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.4409	2.5229	1.8683	2.7700e-003	0.0419	0.1633	0.2052	0.0135	0.1567	0.1702	0.0000	236.7607	236.7607	0.0503	0.0000	237.8167
Total	**0.4409**	**2.5229**	**1.8683**	**2.7700e-003**	**0.0419**	**0.1633**	**0.2052**	**0.0135**	**0.1567**	**0.1702**	**0.0000**	**236.7607**	**236.7607**	**0.0503**	**0.0000**	**237.8167**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					

2016	0.4409	2.5229	1.8683	2.7700e-003	0.0244	0.1633	0.1877	7.4200e-003	0.1567	0.1641	0.0000	236.7605	236.7605	0.0503	0.0000	237.8164
Total	**0.4409**	**2.5229**	**1.8683**	**2.7700e-003**	**0.0244**	**0.1633**	**0.1877**	**7.4200e-003**	**0.1567**	**0.1641**	**0.0000**	**236.7605**	**236.7605**	**0.0503**	**0.0000**	**237.8164**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**41.70**	**0.00**	**8.51**	**45.04**	**0.00**	**3.58**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0638	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.3000e-004	3.3000e-004	0.0000	0.0000	3.5000e-004
Energy	1.1400e-003	0.0104	8.7200e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	65.0182	65.0182	2.6900e-003	7.2000e-004	65.2972
Mobile	0.1543	0.3831	1.7204	4.4900e-003	0.3264	5.0700e-003	0.3315	0.0872	4.6700e-003	0.0919	0.0000	342.7183	342.7183	0.0134	0.0000	343.0003
Waste						0.0000	0.0000		0.0000	0.0000	3.5260	0.0000	3.5260	0.2084	0.0000	7.9019
Water						0.0000	0.0000		0.0000	0.0000	0.2079	5.7004	5.9083	0.0216	5.6000e-004	6.5353
Total	**0.2192**	**0.3935**	**1.7293**	**4.5500e-003**	**0.3264**	**5.8600e-003**	**0.3322**	**0.0872**	**5.4600e-003**	**0.0927**	**3.7338**	**413.4372**	**417.1710**	**0.2461**	**1.2800e-003**	**422.7351**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Area	0.0638	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.3000e-004	3.3000e-004	0.0000	0.0000	3.5000e-004
Energy	1.1400e-003	0.0104	8.7200e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	65.0182	65.0182	2.6900e-003	7.2000e-004	65.2972
Mobile	0.1543	0.3831	1.7204	4.4900e-003	0.3264	5.0700e-003	0.3315	0.0872	4.6700e-003	0.0919	0.0000	342.7183	342.7183	0.0134	0.0000	343.0003
Waste						0.0000	0.0000		0.0000	0.0000	3.5260	0.0000	3.5260	0.2084	0.0000	7.9019
Water						0.0000	0.0000		0.0000	0.0000	0.2079	5.7004	5.9083	0.0216	5.6000e-004	6.5350
Total	**0.2192**	**0.3935**	**1.7293**	**4.5500e-003**	**0.3264**	**5.8600e-003**	**0.3322**	**0.0872**	**5.4600e-003**	**0.0927**	**3.7338**	**413.4372**	**417.1710**	**0.2461**	**1.2800e-003**	**422.7347**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/1/2016	5	2	
3	Grading	Grading	2/2/2016	2/5/2016	5	4	
4	Building Construction	Building Construction	2/6/2016	11/11/2016	5	200	
5	Paving	Paving	11/12/2016	11/25/2016	5	10	
6	Architectural Coating	Architectural Coating	11/26/2016	12/9/2016	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,039; Non-Residential Outdoor: 6,680 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Air Compressors	0	6.00	78	0.48
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	120.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	6.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0130	0.0000	0.0130	1.9700e-003	0.0000	1.9700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0291	0.2826	0.2150	2.4000e-004		0.0175	0.0175		0.0163	0.0163	0.0000	22.5629	22.5629	5.7000e-003	0.0000	22.6827
Total	**0.0291**	**0.2826**	**0.2150**	**2.4000e-004**	**0.0130**	**0.0175**	**0.0304**	**1.9700e-003**	**0.0163**	**0.0183**	**0.0000**	**22.5629**	**22.5629**	**5.7000e-003**	**0.0000**	**22.6827**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1500e-003	0.0174	0.0134	4.0000e-005	1.0300e-003	2.5000e-004	1.2800e-003	2.8000e-004	2.3000e-004	5.1000e-004	0.0000	4.0312	4.0312	3.0000e-005	0.0000	4.0318
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Worker	4.4000e-004	6.6000e-004	6.8600e-003	2.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2864	1.2864	6.0000e-005	0.0000	1.2877
Total	**1.5900e-003**	**0.0181**	**0.0202**	**6.0000e-005**	**2.4600e-003**	**2.6000e-004**	**2.7200e-003**	**6.6000e-004**	**2.4000e-004**	**9.0000e-004**	**0.0000**	**5.3175**	**5.3175**	**9.0000e-005**	**0.0000**	**5.3195**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.0600e-003	0.0000	5.0600e-003	7.7000e-004	0.0000	7.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0291	0.2826	0.2150	2.4000e-004		0.0175	0.0175		0.0163	0.0163	0.0000	22.5628	22.5628	5.7000e-003	0.0000	22.6826
Total	**0.0291**	**0.2826**	**0.2150**	**2.4000e-004**	**5.0600e-003**	**0.0175**	**0.0225**	**7.7000e-004**	**0.0163**	**0.0171**	**0.0000**	**22.5628**	**22.5628**	**5.7000e-003**	**0.0000**	**22.6826**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1500e-003	0.0174	0.0134	4.0000e-005	1.0300e-003	2.5000e-004	1.2800e-003	2.8000e-004	2.3000e-004	5.1000e-004	0.0000	4.0312	4.0312	3.0000e-005	0.0000	4.0318
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	6.6000e-004	6.8600e-003	2.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2864	1.2864	6.0000e-005	0.0000	1.2877
Total	**1.5900e-003**	**0.0181**	**0.0202**	**6.0000e-005**	**2.4600e-003**	**2.6000e-004**	**2.7200e-003**	**6.6000e-004**	**2.4000e-004**	**9.0000e-004**	**0.0000**	**5.3175**	**5.3175**	**9.0000e-005**	**0.0000**	**5.3195**

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4400e-003	0.0258	0.0165	2.0000e-005		1.4000e-003	1.4000e-003		1.2900e-003	1.2900e-003	0.0000	1.6158	1.6158	4.9000e-004	0.0000	1.6260
Total	**2.4400e-003**	**0.0258**	**0.0165**	**2.0000e-005**	**5.8000e-003**	**1.4000e-003**	**7.2000e-003**	**2.9500e-003**	**1.2900e-003**	**4.2400e-003**	**0.0000**	**1.6158**	**1.6158**	**4.9000e-004**	**0.0000**	**1.6260**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	4.0000e-005	4.2000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0792	0.0792	0.0000	0.0000	0.0792
Total	**3.0000e-005**	**4.0000e-005**	**4.2000e-004**	**0.0000**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0792**	**0.0792**	**0.0000**	**0.0000**	**0.0792**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					2.2600e-003	0.0000	2.2600e-003	1.1500e-003	0.0000	1.1500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4400e-003	0.0258	0.0165	2.0000e-005		1.4000e-003	1.4000e-003		1.2900e-003	1.2900e-003	0.0000	1.6158	1.6158	4.9000e-004	0.0000	1.6260
Total	**2.4400e-003**	**0.0258**	**0.0165**	**2.0000e-005**	**2.2600e-003**	**1.4000e-003**	**3.6600e-003**	**1.1500e-003**	**1.2900e-003**	**2.4400e-003**	**0.0000**	**1.6158**	**1.6158**	**4.9000e-004**	**0.0000**	**1.6260**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	4.0000e-005	4.2000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0792	0.0792	0.0000	0.0000	0.0792
Total	**3.0000e-005**	**4.0000e-005**	**4.2000e-004**	**0.0000**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0792**	**0.0792**	**0.0000**	**0.0000**	**0.0792**

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8300e-003	0.0000	9.8300e-003	5.0500e-003	0.0000	5.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9800e-003	0.0421	0.0273	3.0000e-005		2.2800e-003	2.2800e-003		2.1000e-003	2.1000e-003	0.0000	2.6541	2.6541	8.0000e-004	0.0000	2.6710
Total	**3.9800e-003**	**0.0421**	**0.0273**	**3.0000e-005**	**9.8300e-003**	**2.2800e-003**	**0.0121**	**5.0500e-003**	**2.1000e-003**	**7.1500e-003**	**0.0000**	**2.6541**	**2.6541**	**8.0000e-004**	**0.0000**	**2.6710**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	8.0000e-005	8.4000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1583	0.1583	1.0000e-005	0.0000	0.1585
Total	**5.0000e-005**	**8.0000e-005**	**8.4000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1583**	**0.1583**	**1.0000e-005**	**0.0000**	**0.1585**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.8300e-003	0.0000	3.8300e-003	1.9700e-003	0.0000	1.9700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.9800e-003	0.0421	0.0273	3.0000e-005		2.2800e-003	2.2800e-003		2.1000e-003	2.1000e-003	0.0000	2.6541	2.6541	8.0000e-004	0.0000	2.6710
Total	**3.9800e-003**	**0.0421**	**0.0273**	**3.0000e-005**	**3.8300e-003**	**2.2800e-003**	**6.1100e-003**	**1.9700e-003**	**2.1000e-003**	**4.0700e-003**	**0.0000**	**2.6541**	**2.6541**	**8.0000e-004**	**0.0000**	**2.6710**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	8.0000e-005	8.4000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1583	0.1583	1.0000e-005	0.0000	0.1585
Total	**5.0000e-005**	**8.0000e-005**	**8.4000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**1.8000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1583**	**0.1583**	**1.0000e-005**	**0.0000**	**0.1585**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3292	2.0546	1.4707	2.2000e-003		0.1366	0.1366		0.1318	0.1318	0.0000	185.6956	185.6956	0.0408	0.0000	186.5527
Total	**0.3292**	**2.0546**	**1.4707**	**2.2000e-003**		**0.1366**	**0.1366**		**0.1318**	**0.1318**	**0.0000**	**185.6956**	**185.6956**	**0.0408**	**0.0000**	**186.5527**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8700e-003	0.0181	0.0236	4.0000e-005	1.2300e-003	2.8000e-004	1.5100e-003	3.5000e-004	2.5000e-004	6.0000e-004	0.0000	3.9207	3.9207	3.0000e-005	0.0000	3.9213
Worker	2.0500e-003	3.0400e-003	0.0317	8.0000e-005	6.5900e-003	5.0000e-005	6.6300e-003	1.7500e-003	4.0000e-005	1.7900e-003	0.0000	5.9371	5.9371	2.9000e-004	0.0000	5.9432

Total	**3.9200e-003**	**0.0211**	**0.0553**	**1.2000e-004**	**7.8200e-003**	**3.3000e-004**	**8.1400e-003**	**2.1000e-003**	**2.9000e-004**	**2.3900e-003**	**0.0000**	**9.8578**	**9.8578**	**3.2000e-004**	**0.0000**	**9.8645**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3292	2.0546	1.4707	2.2000e-003		0.1366	0.1366		0.1318	0.1318	0.0000	185.6954	185.6954	0.0408	0.0000	186.5525
Total	**0.3292**	**2.0546**	**1.4707**	**2.2000e-003**		**0.1366**	**0.1366**		**0.1318**	**0.1318**	**0.0000**	**185.6954**	**185.6954**	**0.0408**	**0.0000**	**186.5525**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8700e-003	0.0181	0.0236	4.0000e-005	1.2300e-003	2.8000e-004	1.5100e-003	3.5000e-004	2.5000e-004	6.0000e-004	0.0000	3.9207	3.9207	3.0000e-005	0.0000	3.9213
Worker	2.0500e-003	3.0400e-003	0.0317	8.0000e-005	6.5900e-003	5.0000e-005	6.6300e-003	1.7500e-003	4.0000e-005	1.7900e-003	0.0000	5.9371	5.9371	2.9000e-004	0.0000	5.9432
Total	**3.9200e-003**	**0.0211**	**0.0553**	**1.2000e-004**	**7.8200e-003**	**3.3000e-004**	**8.1400e-003**	**2.1000e-003**	**2.9000e-004**	**2.3900e-003**	**0.0000**	**9.8578**	**9.8578**	**3.2000e-004**	**0.0000**	**9.8645**

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4400e-003	0.0660	0.0454	7.0000e-005		4.0400e-003	4.0400e-003		3.7200e-003	3.7200e-003	0.0000	6.2071	6.2071	1.8400e-003	0.0000	6.2457
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.4400e-003**	**0.0660**	**0.0454**	**7.0000e-005**		**4.0400e-003**	**4.0400e-003**		**3.7200e-003**	**3.7200e-003**	**0.0000**	**6.2071**	**6.2071**	**1.8400e-003**	**0.0000**	**6.2457**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	6.6000e-004	6.8600e-003	2.0000e-005	2.6600e-003	1.0000e-005	2.6700e-003	6.8000e-004	1.0000e-005	6.9000e-004	0.0000	1.2864	1.2864	6.0000e-005	0.0000	1.2877
Total	**4.4000e-004**	**6.6000e-004**	**6.8600e-003**	**2.0000e-005**	**2.6600e-003**	**1.0000e-005**	**2.6700e-003**	**6.8000e-004**	**1.0000e-005**	**6.9000e-004**	**0.0000**	**1.2864**	**1.2864**	**6.0000e-005**	**0.0000**	**1.2877**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	6.4400e-003	0.0660	0.0454	7.0000e-005		4.0400e-003	4.0400e-003		3.7200e-003	3.7200e-003	0.0000	6.2071	6.2071	1.8400e-003	0.0000	6.2457
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**6.4400e-003**	**0.0660**	**0.0454**	**7.0000e-005**		**4.0400e-003**	**4.0400e-003**		**3.7200e-003**	**3.7200e-003**	**0.0000**	**6.2071**	**6.2071**	**1.8400e-003**	**0.0000**	**6.2457**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	6.6000e-004	6.8600e-003	2.0000e-005	2.6600e-003	1.0000e-005	2.6700e-003	6.8000e-004	1.0000e-005	6.9000e-004	0.0000	1.2864	1.2864	6.0000e-005	0.0000	1.2877
Total	**4.4000e-004**	**6.6000e-004**	**6.8600e-003**	**2.0000e-005**	**2.6600e-003**	**1.0000e-005**	**2.6700e-003**	**6.8000e-004**	**1.0000e-005**	**6.9000e-004**	**0.0000**	**1.2864**	**1.2864**	**6.0000e-005**	**0.0000**	**1.2877**

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8400e-003	0.0119	9.4200e-003	1.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	1.2766	1.2766	1.5000e-004	0.0000	1.2798
Total	**0.0638**	**0.0119**	**9.4200e-003**	**1.0000e-005**		**9.8000e-004**	**9.8000e-004**		**9.8000e-004**	**9.8000e-004**	**0.0000**	**1.2766**	**1.2766**	**1.5000e-004**	**0.0000**	**1.2798**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	2.6000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0495	0.0495	0.0000	0.0000	0.0495
Total	**2.0000e-005**	**3.0000e-005**	**2.6000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0495**	**0.0495**	**0.0000**	**0.0000**	**0.0495**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0619					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8400e-003	0.0119	9.4200e-003	1.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	1.2766	1.2766	1.5000e-004	0.0000	1.2798
Total	**0.0638**	**0.0119**	**9.4200e-003**	**1.0000e-005**		**9.8000e-004**	**9.8000e-004**		**9.8000e-004**	**9.8000e-004**	**0.0000**	**1.2766**	**1.2766**	**1.5000e-004**	**0.0000**	**1.2798**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	3.0000e-005	2.6000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0495	0.0495	0.0000	0.0000	0.0495
Total	**2.0000e-005**	**3.0000e-005**	**2.6000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0495**	**0.0495**	**0.0000**	**0.0000**	**0.0495**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1543	0.3831	1.7204	4.4900e-003	0.3264	5.0700e-003	0.3315	0.0872	4.6700e-003	0.0919	0.0000	342.7183	342.7183	0.0134	0.0000	343.0003
Unmitigated	0.1543	0.3831	1.7204	4.4900e-003	0.3264	5.0700e-003	0.3315	0.0872	4.6700e-003	0.0919	0.0000	342.7183	342.7183	0.0134	0.0000	343.0003

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	367.27	150.03	16.17	864,051	864,051
Total	367.27	150.03	16.17	864,051	864,051

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.510449	0.057012	0.191854	0.151889	0.041459	0.005887	0.015572	0.014818	0.001440	0.002145	0.004716	0.000509	0.002251

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	53.7118	53.7118	2.4700e-003	5.1000e-004	53.9220
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	53.7118	53.7118	2.4700e-003	5.1000e-004	53.9220
NaturalGas Mitigated	1.1400e-003	0.0104	8.7200e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.3064	11.3064	2.2000e-004	2.1000e-004	11.3752
NaturalGas Unmitigated	1.1400e-003	0.0104	8.7200e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.3064	11.3064	2.2000e-004	2.1000e-004	11.3752

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					

Junior College (2Yr)	211874	1.1400e-003	0.0104	8.7200e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.3064	11.3064	2.2000e-004	2.1000e-004	11.3752
Total		**1.1400e-003**	**0.0104**	**8.7200e-003**	**6.0000e-005**		**7.9000e-004**	**7.9000e-004**		**7.9000e-004**	**7.9000e-004**	**0.0000**	**11.3064**	**11.3064**	**2.2000e-004**	**2.1000e-004**	**11.3752**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	211874	1.1400e-003	0.0104	8.7200e-003	6.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	11.3064	11.3064	2.2000e-004	2.1000e-004	11.3752
Total		**1.1400e-003**	**0.0104**	**8.7200e-003**	**6.0000e-005**		**7.9000e-004**	**7.9000e-004**		**7.9000e-004**	**7.9000e-004**	**0.0000**	**11.3064**	**11.3064**	**2.2000e-004**	**2.1000e-004**	**11.3752**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	187694	53.7118	2.4700e-003	5.1000e-004	53.9220
Total		**53.7118**	**2.4700e-003**	**5.1000e-004**	**53.9220**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	187694	53.7118	2.4700e-003	5.1000e-004	53.9220
Total		**53.7118**	**2.4700e-003**	**5.1000e-004**	**53.9220**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0638	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.3000e-004	3.3000e-004	0.0000	0.0000	3.5000e-004
Unmitigated	0.0638	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.3000e-004	3.3000e-004	0.0000	0.0000	3.5000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0155					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0483					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.3000e-004	3.3000e-004	0.0000	0.0000	3.5000e-004
Total	**0.0638**	**0.0000**	**1.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**3.3000e-004**	**3.3000e-004**	**0.0000**	**0.0000**	**3.5000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Consumer Products	0.0483					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	1.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	3.3000e-004	3.3000e-004	0.0000	0.0000	3.5000e-004
Architectural Coating	0.0155					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0638**	**0.0000**	**1.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**3.3000e-004**	**3.3000e-004**	**0.0000**	**0.0000**	**3.5000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	5.9083	0.0216	5.6000e-004	6.5350

Unmitigated	5.9083	0.0216	5.6000e-004	6.5353

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.655295 / 1.02495	5.9083	0.0216	5.6000e-004	6.5353
Total		**5.9083**	**0.0216**	**5.6000e-004**	**6.5353**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.655295 / 1.02495	5.9083	0.0216	5.6000e-004	6.5350
Total		**5.9083**	**0.0216**	**5.6000e-004**	**6.5350**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.5260	0.2084	0.0000	7.9019
Unmitigated	3.5260	0.2084	0.0000	7.9019

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	17.37	3.5260	0.2084	0.0000	7.9019
Total		**3.5260**	**0.2084**	**0.0000**	**7.9019**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

Junior College (2Yr)	17.37	3.5260	0.2084	0.0000	7.9019
Total		**3.5260**	**0.2084**	**0.0000**	**7.9019**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 1 - Planetarium

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	13.36	1000sqft	1.28	13,359.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - Modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Demolition -

Grading - modified

Architectural Coating - scaqmd rule 1113, Non residential interior=flat coatings= 50g/L

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblLandUse	LandUseSquareFeet	13,360.00	13,359.00
tblLandUse	LotAcreage	0.31	1.28
tblProjectCharacteristics	OperationalYear	2014	2017

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	12.7564	29.9695	23.4116	0.0307	5.8890	1.7704	7.2881	2.9774	1.6566	4.2646	0.0000	3,079.4315	3,079.4315	0.6389	0.0000	3,092.8483
Total	**12.7564**	**29.9695**	**23.4116**	**0.0307**	**5.8890**	**1.7704**	**7.2881**	**2.9774**	**1.6566**	**4.2646**	**0.0000**	**3,079.4315**	**3,079.4315**	**0.6389**	**0.0000**	**3,092.8483**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2016	12.7564	29.9695	23.4116	0.0307	2.3513	1.7704	3.7504	1.1757	1.6566	2.4628	0.0000	3,079.4315	3,079.4315	0.6389	0.0000	3,092.8483
Total	**12.7564**	**29.9695**	**23.4116**	**0.0307**	**2.3513**	**1.7704**	**3.7504**	**1.1757**	**1.6566**	**2.4628**	**0.0000**	**3,079.4315**	**3,079.4315**	**0.6389**	**0.0000**	**3,092.8483**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**60.07**	**0.00**	**48.54**	**60.51**	**0.00**	**42.25**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3495	1.0000e-005	1.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		2.9200e-003	2.9200e-003	1.0000e-005		3.0900e-003
Energy	6.2600e-003	0.0569	0.0478	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.2913	68.2913	1.3100e-003	1.2500e-003	68.7069
Mobile	1.0901	2.5116	12.1282	0.0328	2.3437	0.0357	2.3794	0.6253	0.0329	0.6582		2,755.1463	2,755.1463	0.1045		2,757.3416
Total	**1.4458**	**2.5686**	**12.1774**	**0.0331**	**2.3437**	**0.0401**	**2.3837**	**0.6253**	**0.0372**	**0.6626**		**2,823.4405**	**2,823.4405**	**0.1059**	**1.2500e-003**	**2,826.0516**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3495	1.0000e-005	1.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		2.9200e-003	2.9200e-003	1.0000e-005		3.0900e-003

Energy	6.2600e-003	0.0569	0.0478	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.2913	68.2913	1.3100e-003	1.2500e-003	68.7069
Mobile	1.0901	2.5116	12.1282	0.0328	2.3437	0.0357	2.3794	0.6253	0.0329	0.6582		2,755.1463	2,755.1463	0.1045		2,757.3416
Total	**1.4458**	**2.5686**	**12.1774**	**0.0331**	**2.3437**	**0.0401**	**2.3837**	**0.6253**	**0.0372**	**0.6626**		**2,823.4405**	**2,823.4405**	**0.1059**	**1.2500e-003**	**2,826.0516**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/1/2016	5	2	
3	Grading	Grading	2/2/2016	2/5/2016	5	4	
4	Building Construction	Building Construction	2/6/2016	11/11/2016	5	200	
5	Paving	Paving	11/12/2016	11/25/2016	5	10	
6	Architectural Coating	Architectural Coating	11/26/2016	12/9/2016	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,039; Non-Residential Outdoor: 6,680 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Air Compressors	0	6.00	78	0.48
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	120.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	6.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2982	0.0000	1.2982	0.1966	0.0000	0.1966			0.0000			0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328		2,487.1296	2,487.1296	0.6288		2,500.3343
Total	**2.9066**	**28.2579**	**21.4980**	**0.0245**	**1.2982**	**1.7445**	**3.0427**	**0.1966**	**1.6328**	**1.8293**		**2,487.1296**	**2,487.1296**	**0.6288**		**2,500.3343**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1096	1.6533	1.1999	4.4100e-003	0.1045	0.0249	0.1294	0.0286	0.0229	0.0515		444.8037	444.8037	3.1600e-003		444.8701
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0451	0.0583	0.7137	1.7600e-003	0.1453	1.0200e-003	0.1463	0.0385	9.4000e-004	0.0395		147.4982	147.4982	6.9400e-003		147.6439
Total	**0.1547**	**1.7116**	**1.9136**	**6.1700e-003**	**0.2498**	**0.0259**	**0.2757**	**0.0672**	**0.0238**	**0.0910**		**592.3019**	**592.3019**	**0.0101**		**592.5140**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5063	0.0000	0.5063	0.0767	0.0000	0.0767			0.0000			0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328	0.0000	2,487.1296	2,487.1296	0.6288		2,500.3343
Total	**2.9066**	**28.2579**	**21.4980**	**0.0245**	**0.5063**	**1.7445**	**2.2508**	**0.0767**	**1.6328**	**1.7094**	**0.0000**	**2,487.1296**	**2,487.1296**	**0.6288**		**2,500.3343**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1096	1.6533	1.1999	4.4100e-003	0.1045	0.0249	0.1294	0.0286	0.0229	0.0515		444.8037	444.8037	3.1600e-003		444.8701
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0451	0.0583	0.7137	1.7600e-003	0.1453	1.0200e-003	0.1463	0.0385	9.4000e-004	0.0395		147.4982	147.4982	6.9400e-003		147.6439
Total	**0.1547**	**1.7116**	**1.9136**	**6.1700e-003**	**0.2498**	**0.0259**	**0.2757**	**0.0672**	**0.0238**	**0.0910**		**592.3019**	**592.3019**	**0.0101**		**592.5140**

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	2.4428	25.7718	16.5144	0.0171		1.3985	1.3985		1.2866	1.2866		1,781.0872	1,781.0872	0.5372		1,792.3693
Total	**2.4428**	**25.7718**	**16.5144**	**0.0171**	**5.7996**	**1.3985**	**7.1981**	**2.9537**	**1.2866**	**4.2403**		**1,781.0872**	**1,781.0872**	**0.5372**		**1,792.3693**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0278	0.0359	0.4392	1.0900e-003	0.0894	6.2000e-004	0.0901	0.0237	5.8000e-004	0.0243		90.7681	90.7681	4.2700e-003		90.8578
Total	**0.0278**	**0.0359**	**0.4392**	**1.0900e-003**	**0.0894**	**6.2000e-004**	**0.0901**	**0.0237**	**5.8000e-004**	**0.0243**		**90.7681**	**90.7681**	**4.2700e-003**		**90.8578**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2618	0.0000	2.2618	1.1519	0.0000	1.1519			0.0000			0.0000
Off-Road	2.4428	25.7718	16.5144	0.0171		1.3985	1.3985		1.2866	1.2866	0.0000	1,781.0872	1,781.0872	0.5372		1,792.3693
Total	**2.4428**	**25.7718**	**16.5144**	**0.0171**	**2.2618**	**1.3985**	**3.6603**	**1.1519**	**1.2866**	**2.4385**	**0.0000**	**1,781.0872**	**1,781.0872**	**0.5372**		**1,792.3693**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0278	0.0359	0.4392	1.0900e-003	0.0894	6.2000e-004	0.0901	0.0237	5.8000e-004	0.0243		90.7681	90.7681	4.2700e-003		90.8578
Total	**0.0278**	**0.0359**	**0.4392**	**1.0900e-003**	**0.0894**	**6.2000e-004**	**0.0901**	**0.0237**	**5.8000e-004**	**0.0243**		**90.7681**	**90.7681**	**4.2700e-003**		**90.8578**

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.9908	21.0361	13.6704	0.0141		1.1407	1.1407		1.0494	1.0494		1,462.8468	1,462.8468	0.4413		1,472.1130
Total	**1.9908**	**21.0361**	**13.6704**	**0.0141**	**4.9143**	**1.1407**	**6.0549**	**2.5256**	**1.0494**	**3.5750**		**1,462.8468**	**1,462.8468**	**0.4413**		**1,472.1130**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0278	0.0359	0.4392	1.0900e-003	0.0894	6.2000e-004	0.0901	0.0237	5.8000e-004	0.0243		90.7681	90.7681	4.2700e-003		90.8578
Total	**0.0278**	**0.0359**	**0.4392**	**1.0900e-003**	**0.0894**	**6.2000e-004**	**0.0901**	**0.0237**	**5.8000e-004**	**0.0243**		**90.7681**	**90.7681**	**4.2700e-003**		**90.8578**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9166	0.0000	1.9166	0.9850	0.0000	0.9850			0.0000			0.0000
Off-Road	1.9908	21.0361	13.6704	0.0141		1.1407	1.1407		1.0494	1.0494	0.0000	1,462.8468	1,462.8468	0.4413		1,472.1130
Total	**1.9908**	**21.0361**	**13.6704**	**0.0141**	**1.9166**	**1.1407**	**3.0573**	**0.9850**	**1.0494**	**2.0344**	**0.0000**	**1,462.8468**	**1,462.8468**	**0.4413**		**1,472.1130**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0278	0.0359	0.4392	1.0900e-003	0.0894	6.2000e-004	0.0901	0.0237	5.8000e-004	0.0243		90.7681	90.7681	4.2700e-003		90.8578

Total	**0.0278**	**0.0359**	**0.4392**	**1.0900e-003**	**0.0894**	**6.2000e-004**	**0.0901**	**0.0237**	**5.8000e-004**	**0.0243**		**90.7681**	**90.7681**	**4.2700e-003**		**90.8578**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176		2,046.9432	2,046.9432	0.4499		2,056.3913
Total	**3.2915**	**20.5459**	**14.7074**	**0.0220**		**1.3656**	**1.3656**		**1.3176**	**1.3176**		**2,046.9432**	**2,046.9432**	**0.4499**		**2,056.3913**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0175	0.1730	0.2044	4.3000e-004	0.0125	2.7400e-003	0.0152	3.5600e-003	2.5200e-003	6.0800e-003		43.3718	43.3718	3.1000e-004		43.3782
Worker	0.0208	0.0269	0.3294	8.1000e-004	0.0671	4.7000e-004	0.0675	0.0178	4.3000e-004	0.0182		68.0761	68.0761	3.2000e-003		68.1433
Total	**0.0383**	**0.1999**	**0.5338**	**1.2400e-003**	**0.0796**	**3.2100e-003**	**0.0828**	**0.0214**	**2.9500e-003**	**0.0243**		**111.4479**	**111.4479**	**3.5100e-003**		**111.5216**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176	0.0000	2,046.9432	2,046.9432	0.4499		2,056.3913
Total	**3.2915**	**20.5459**	**14.7074**	**0.0220**		**1.3656**	**1.3656**		**1.3176**	**1.3176**	**0.0000**	**2,046.9432**	**2,046.9432**	**0.4499**		**2,056.3913**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0175	0.1730	0.2044	4.3000e-004	0.0125	2.7400e-003	0.0152	3.5600e-003	2.5200e-003	6.0800e-003		43.3718	43.3718	3.1000e-004		43.3782
Worker	0.0208	0.0269	0.3294	8.1000e-004	0.0671	4.7000e-004	0.0675	0.0178	4.3000e-004	0.0182		68.0761	68.0761	3.2000e-003		68.1433
Total	**0.0383**	**0.1999**	**0.5338**	**1.2400e-003**	**0.0796**	**3.2100e-003**	**0.0828**	**0.0214**	**2.9500e-003**	**0.0243**		**111.4479**	**111.4479**	**3.5100e-003**		**111.5216**

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.2872	13.2076	9.0880	0.0133		0.8075	0.8075		0.7438	0.7438		1,368.4366	1,368.4366	0.4053		1,376.9473
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2872**	**13.2076**	**9.0880**	**0.0133**		**0.8075**	**0.8075**		**0.7438**	**0.7438**		**1,368.4366**	**1,368.4366**	**0.4053**		**1,376.9473**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0902	0.1165	1.4273	3.5300e-003	0.5433	2.0300e-003	0.5453	0.1391	1.8700e-003	0.1410		294.9964	294.9964	0.0139		295.2877
Total	**0.0902**	**0.1165**	**1.4273**	**3.5300e-003**	**0.5433**	**2.0300e-003**	**0.5453**	**0.1391**	**1.8700e-003**	**0.1410**		**294.9964**	**294.9964**	**0.0139**		**295.2877**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2872	13.2076	9.0880	0.0133		0.8075	0.8075		0.7438	0.7438	0.0000	1,368.4366	1,368.4366	0.4053		1,376.9473
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2872**	**13.2076**	**9.0880**	**0.0133**		**0.8075**	**0.8075**		**0.7438**	**0.7438**	**0.0000**	**1,368.4366**	**1,368.4366**	**0.4053**		**1,376.9473**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0902	0.1165	1.4273	3.5300e-003	0.5433	2.0300e-003	0.5453	0.1391	1.8700e-003	0.1410		294.9964	294.9964	0.0139		295.2877
Total	**0.0902**	**0.1165**	**1.4273**	**3.5300e-003**	**0.5433**	**2.0300e-003**	**0.5453**	**0.1391**	**1.8700e-003**	**0.1410**		**294.9964**	**294.9964**	**0.0139**		**295.2877**

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.3845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	**12.7530**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**		**281.4481**	**281.4481**	**0.0332**		**282.1449**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.4700e-003	4.4800e-003	0.0549	1.4000e-004	0.0112	8.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0400e-003		11.3460	11.3460	5.3000e-004		11.3572
Total	**3.4700e-003**	**4.4800e-003**	**0.0549**	**1.4000e-004**	**0.0112**	**8.0000e-005**	**0.0113**	**2.9600e-003**	**7.0000e-005**	**3.0400e-003**		**11.3460**	**11.3460**	**5.3000e-004**		**11.3572**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.3845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	**12.7530**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**	**0.0000**	**281.4481**	**281.4481**	**0.0332**		**282.1449**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.4700e-003	4.4800e-003	0.0549	1.4000e-004	0.0112	8.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0400e-003		11.3460	11.3460	5.3000e-004		11.3572

Total	**3.4700e-003**	**4.4800e-003**	**0.0549**	**1.4000e-004**	**0.0112**	**8.0000e-005**	**0.0113**	**2.9600e-003**	**7.0000e-005**	**3.0400e-003**		**11.3460**	**11.3460**	**5.3000e-004**		**11.3572**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0901	2.5116	12.1282	0.0328	2.3437	0.0357	2.3794	0.6253	0.0329	0.6582		2,755.1463	2,755.1463	0.1045		2,757.3416
Unmitigated	1.0901	2.5116	12.1282	0.0328	2.3437	0.0357	2.3794	0.6253	0.0329	0.6582		2,755.1463	2,755.1463	0.1045		2,757.3416

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	367.27	150.03	16.17	864,051	864,051
Total	367.27	150.03	16.17	864,051	864,051

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.510449	0.057012	0.191854	0.151889	0.041459	0.005887	0.015572	0.014818	0.001440	0.002145	0.004716	0.000509	0.002251

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.2600e-003	0.0569	0.0478	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.2913	68.2913	1.3100e-003	1.2500e-003	68.7069
NaturalGas Unmitigated	6.2600e-003	0.0569	0.0478	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.2913	68.2913	1.3100e-003	1.2500e-003	68.7069

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	580.476	6.2600e-003	0.0569	0.0478	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.2913	68.2913	1.3100e-003	1.2500e-003	68.7069
Total		**6.2600e-003**	**0.0569**	**0.0478**	**3.4000e-004**		**4.3300e-003**	**4.3300e-003**		**4.3300e-003**	**4.3300e-003**		**68.2913**	**68.2913**	**1.3100e-003**	**1.2500e-003**	**68.7069**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	0.580476	6.2600e-003	0.0569	0.0478	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.2913	68.2913	1.3100e-003	1.2500e-003	68.7069
Total		**6.2600e-003**	**0.0569**	**0.0478**	**3.4000e-004**		**4.3300e-003**	**4.3300e-003**		**4.3300e-003**	**4.3300e-003**		**68.2913**	**68.2913**	**1.3100e-003**	**1.2500e-003**	**68.7069**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3495	1.0000e-005	1.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		2.9200e-003	2.9200e-003	1.0000e-005		3.0900e-003
Unmitigated	0.3495	1.0000e-005	1.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		2.9200e-003	2.9200e-003	1.0000e-005		3.0900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Consumer Products	0.2645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		2.9200e-003	2.9200e-003	1.0000e-005		3.0900e-003
Architectural Coating	0.0848					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3495**	**1.0000e-005**	**1.3900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**2.9200e-003**	**2.9200e-003**	**1.0000e-005**		**3.0900e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Consumer Products	0.2645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		2.9200e-003	2.9200e-003	1.0000e-005		3.0900e-003
Architectural Coating	0.0848					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3495**	**1.0000e-005**	**1.3900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**2.9200e-003**	**2.9200e-003**	**1.0000e-005**		**3.0900e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

Phase 1 - Planetarium

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	13.36	1000sqft	1.28	13,359.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - Modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Demolition -

Grading - modified

Architectural Coating - scaqmd rule 1113, Non residential interior=flat coatings= 50g/L

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblLandUse	LandUseSquareFeet	13,360.00	13,359.00
tblLandUse	LotAcreage	0.31	1.28
tblProjectCharacteristics	OperationalYear	2014	2017

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	12.7566	30.0320	23.5474	0.0306	5.8890	1.7705	7.2881	2.9774	1.6566	4.2646	0.0000	3,070.5669	3,070.5669	0.6389	0.0000	3,083.9845
Total	**12.7566**	**30.0320**	**23.5474**	**0.0306**	**5.8890**	**1.7705**	**7.2881**	**2.9774**	**1.6566**	**4.2646**	**0.0000**	**3,070.5669**	**3,070.5669**	**0.6389**	**0.0000**	**3,083.9845**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2016	12.7566	30.0320	23.5474	0.0306	2.3513	1.7705	3.7504	1.1757	1.6566	2.4628	0.0000	3,070.5669	3,070.5669	0.6389	0.0000	3,083.9845
Total	**12.7566**	**30.0320**	**23.5474**	**0.0306**	**2.3513**	**1.7705**	**3.7504**	**1.1757**	**1.6566**	**2.4628**	**0.0000**	**3,070.5669**	**3,070.5669**	**0.6389**	**0.0000**	**3,083.9845**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**60.07**	**0.00**	**48.54**	**60.51**	**0.00**	**42.25**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3495	1.0000e-005	1.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		2.9200e-003	2.9200e-003	1.0000e-005		3.0900e-003
Energy	6.2600e-003	0.0569	0.0478	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.2913	68.2913	1.3100e-003	1.2500e-003	68.7069
Mobile	1.1539	2.6513	12.0672	0.0313	2.3437	0.0359	2.3795	0.6253	0.0330	0.6584		2,634.9365	2,634.9365	0.1046		2,637.1329
Total	**1.5096**	**2.7082**	**12.1164**	**0.0316**	**2.3437**	**0.0402**	**2.3839**	**0.6253**	**0.0374**	**0.6627**		**2,703.2307**	**2,703.2307**	**0.1059**	**1.2500e-003**	**2,705.8429**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.3495	1.0000e-005	1.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		2.9200e-003	2.9200e-003	1.0000e-005		3.0900e-003

Energy	6.2600e-003	0.0569	0.0478	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.2913	68.2913	1.3100e-003	1.2500e-003	68.7069
Mobile	1.1539	2.6513	12.0672	0.0313	2.3437	0.0359	2.3795	0.6253	0.0330	0.6584		2,634.9365	2,634.9365	0.1046		2,637.1329
Total	**1.5096**	**2.7082**	**12.1164**	**0.0316**	**2.3437**	**0.0402**	**2.3839**	**0.6253**	**0.0374**	**0.6627**		**2,703.2307**	**2,703.2307**	**0.1059**	**1.2500e-003**	**2,705.8429**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	1/28/2016	5	20	
2	Site Preparation	Site Preparation	1/29/2016	2/1/2016	5	2	
3	Grading	Grading	2/2/2016	2/5/2016	5	4	
4	Building Construction	Building Construction	2/6/2016	11/11/2016	5	200	
5	Paving	Paving	11/12/2016	11/25/2016	5	10	
6	Architectural Coating	Architectural Coating	11/26/2016	12/9/2016	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 20,039; Non-Residential Outdoor: 6,680 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Building Construction	Cranes	1	6.00	226	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Air Compressors	0	6.00	78	0.48
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	120.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	6.00	2.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2982	0.0000	1.2982	0.1966	0.0000	0.1966			0.0000			0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328		2,487.1296	2,487.1296	0.6288		2,500.3343
Total	**2.9066**	**28.2579**	**21.4980**	**0.0245**	**1.2982**	**1.7445**	**3.0427**	**0.1966**	**1.6328**	**1.8293**		**2,487.1296**	**2,487.1296**	**0.6288**		**2,500.3343**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1172	1.7100	1.3772	4.4100e-003	0.1045	0.0249	0.1294	0.0286	0.0229	0.0515		443.7435	443.7435	3.2000e-003		443.8108
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0475	0.0641	0.6722	1.6700e-003	0.1453	1.0200e-003	0.1463	0.0385	9.4000e-004	0.0395		139.6938	139.6938	6.9400e-003		139.8395
Total	**0.1647**	**1.7741**	**2.0494**	**6.0800e-003**	**0.2498**	**0.0259**	**0.2758**	**0.0672**	**0.0239**	**0.0910**		**583.4373**	**583.4373**	**0.0101**		**583.6503**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5063	0.0000	0.5063	0.0767	0.0000	0.0767			0.0000			0.0000
Off-Road	2.9066	28.2579	21.4980	0.0245		1.7445	1.7445		1.6328	1.6328	0.0000	2,487.1296	2,487.1296	0.6288		2,500.3343
Total	**2.9066**	**28.2579**	**21.4980**	**0.0245**	**0.5063**	**1.7445**	**2.2508**	**0.0767**	**1.6328**	**1.7094**	**0.0000**	**2,487.1296**	**2,487.1296**	**0.6288**		**2,500.3343**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1172	1.7100	1.3772	4.4100e-003	0.1045	0.0249	0.1294	0.0286	0.0229	0.0515		443.7435	443.7435	3.2000e-003		443.8108
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0475	0.0641	0.6722	1.6700e-003	0.1453	1.0200e-003	0.1463	0.0385	9.4000e-004	0.0395		139.6938	139.6938	6.9400e-003		139.8395
Total	**0.1647**	**1.7741**	**2.0494**	**6.0800e-003**	**0.2498**	**0.0259**	**0.2758**	**0.0672**	**0.0239**	**0.0910**		**583.4373**	**583.4373**	**0.0101**		**583.6503**

3.3 Site Preparation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	2.4428	25.7718	16.5144	0.0171		1.3985	1.3985		1.2866	1.2866		1,781.0872	1,781.0872	0.5372		1,792.3693
Total	**2.4428**	**25.7718**	**16.5144**	**0.0171**	**5.7996**	**1.3985**	**7.1981**	**2.9537**	**1.2866**	**4.2403**		**1,781.0872**	**1,781.0872**	**0.5372**		**1,792.3693**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0292	0.0394	0.4137	1.0300e-003	0.0894	6.2000e-004	0.0901	0.0237	5.8000e-004	0.0243		85.9654	85.9654	4.2700e-003		86.0551
Total	**0.0292**	**0.0394**	**0.4137**	**1.0300e-003**	**0.0894**	**6.2000e-004**	**0.0901**	**0.0237**	**5.8000e-004**	**0.0243**		**85.9654**	**85.9654**	**4.2700e-003**		**86.0551**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2618	0.0000	2.2618	1.1519	0.0000	1.1519			0.0000			0.0000
Off-Road	2.4428	25.7718	16.5144	0.0171		1.3985	1.3985		1.2866	1.2866	0.0000	1,781.0872	1,781.0872	0.5372		1,792.3693
Total	**2.4428**	**25.7718**	**16.5144**	**0.0171**	**2.2618**	**1.3985**	**3.6603**	**1.1519**	**1.2866**	**2.4385**	**0.0000**	**1,781.0872**	**1,781.0872**	**0.5372**		**1,792.3693**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0292	0.0394	0.4137	1.0300e-003	0.0894	6.2000e-004	0.0901	0.0237	5.8000e-004	0.0243		85.9654	85.9654	4.2700e-003		86.0551
Total	**0.0292**	**0.0394**	**0.4137**	**1.0300e-003**	**0.0894**	**6.2000e-004**	**0.0901**	**0.0237**	**5.8000e-004**	**0.0243**		**85.9654**	**85.9654**	**4.2700e-003**		**86.0551**

3.4 Grading - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.9908	21.0361	13.6704	0.0141		1.1407	1.1407		1.0494	1.0494		1,462.8468	1,462.8468	0.4413		1,472.1130
Total	**1.9908**	**21.0361**	**13.6704**	**0.0141**	**4.9143**	**1.1407**	**6.0549**	**2.5256**	**1.0494**	**3.5750**		**1,462.8468**	**1,462.8468**	**0.4413**		**1,472.1130**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0292	0.0394	0.4137	1.0300e-003	0.0894	6.2000e-004	0.0901	0.0237	5.8000e-004	0.0243		85.9654	85.9654	4.2700e-003		86.0551
Total	**0.0292**	**0.0394**	**0.4137**	**1.0300e-003**	**0.0894**	**6.2000e-004**	**0.0901**	**0.0237**	**5.8000e-004**	**0.0243**		**85.9654**	**85.9654**	**4.2700e-003**		**86.0551**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9166	0.0000	1.9166	0.9850	0.0000	0.9850			0.0000			0.0000
Off-Road	1.9908	21.0361	13.6704	0.0141		1.1407	1.1407		1.0494	1.0494	0.0000	1,462.8468	1,462.8468	0.4413		1,472.1130
Total	**1.9908**	**21.0361**	**13.6704**	**0.0141**	**1.9166**	**1.1407**	**3.0573**	**0.9850**	**1.0494**	**2.0344**	**0.0000**	**1,462.8468**	**1,462.8468**	**0.4413**		**1,472.1130**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0292	0.0394	0.4137	1.0300e-003	0.0894	6.2000e-004	0.0901	0.0237	5.8000e-004	0.0243		85.9654	85.9654	4.2700e-003		86.0551

Total	**0.0292**	**0.0394**	**0.4137**	**1.0300e-003**	**0.0894**	**6.2000e-004**	**0.0901**	**0.0237**	**5.8000e-004**	**0.0243**		**85.9654**	**85.9654**	**4.2700e-003**		**86.0551**

3.5 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176		2,046.9432	2,046.9432	0.4499		2,056.3913
Total	**3.2915**	**20.5459**	**14.7074**	**0.0220**		**1.3656**	**1.3656**		**1.3176**	**1.3176**		**2,046.9432**	**2,046.9432**	**0.4499**		**2,056.3913**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0194	0.1771	0.2457	4.3000e-004	0.0125	2.7700e-003	0.0153	3.5600e-003	2.5500e-003	6.1100e-003		43.0061	43.0061	3.2000e-004		43.0127
Worker	0.0219	0.0296	0.3103	7.7000e-004	0.0671	4.7000e-004	0.0675	0.0178	4.3000e-004	0.0182		64.4741	64.4741	3.2000e-003		64.5413
Total	**0.0413**	**0.2067**	**0.5559**	**1.2000e-003**	**0.0796**	**3.2400e-003**	**0.0828**	**0.0214**	**2.9800e-003**	**0.0243**		**107.4801**	**107.4801**	**3.5200e-003**		**107.5540**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2915	20.5459	14.7074	0.0220		1.3656	1.3656		1.3176	1.3176	0.0000	2,046.9432	2,046.9432	0.4499		2,056.3913
Total	**3.2915**	**20.5459**	**14.7074**	**0.0220**		**1.3656**	**1.3656**		**1.3176**	**1.3176**	**0.0000**	**2,046.9432**	**2,046.9432**	**0.4499**		**2,056.3913**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0194	0.1771	0.2457	4.3000e-004	0.0125	2.7700e-003	0.0153	3.5600e-003	2.5500e-003	6.1100e-003		43.0061	43.0061	3.2000e-004		43.0127
Worker	0.0219	0.0296	0.3103	7.7000e-004	0.0671	4.7000e-004	0.0675	0.0178	4.3000e-004	0.0182		64.4741	64.4741	3.2000e-003		64.5413
Total	**0.0413**	**0.2067**	**0.5559**	**1.2000e-003**	**0.0796**	**3.2400e-003**	**0.0828**	**0.0214**	**2.9800e-003**	**0.0243**		**107.4801**	**107.4801**	**3.5200e-003**		**107.5540**

3.6 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	1.2872	13.2076	9.0880	0.0133		0.8075	0.8075		0.7438	0.7438		1,368.4366	1,368.4366	0.4053		1,376.9473
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2872**	**13.2076**	**9.0880**	**0.0133**		**0.8075**	**0.8075**		**0.7438**	**0.7438**		**1,368.4366**	**1,368.4366**	**0.4053**		**1,376.9473**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0950	0.1282	1.3445	3.3400e-003	0.5433	2.0300e-003	0.5453	0.1391	1.8700e-003	0.1410		279.3876	279.3876	0.0139		279.6790
Total	**0.0950**	**0.1282**	**1.3445**	**3.3400e-003**	**0.5433**	**2.0300e-003**	**0.5453**	**0.1391**	**1.8700e-003**	**0.1410**		**279.3876**	**279.3876**	**0.0139**		**279.6790**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2872	13.2076	9.0880	0.0133		0.8075	0.8075		0.7438	0.7438	0.0000	1,368.4366	1,368.4366	0.4053		1,376.9473
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2872**	**13.2076**	**9.0880**	**0.0133**		**0.8075**	**0.8075**		**0.7438**	**0.7438**	**0.0000**	**1,368.4366**	**1,368.4366**	**0.4053**		**1,376.9473**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0950	0.1282	1.3445	3.3400e-003	0.5433	2.0300e-003	0.5453	0.1391	1.8700e-003	0.1410		279.3876	279.3876	0.0139		279.6790
Total	**0.0950**	**0.1282**	**1.3445**	**3.3400e-003**	**0.5433**	**2.0300e-003**	**0.5453**	**0.1391**	**1.8700e-003**	**0.1410**		**279.3876**	**279.3876**	**0.0139**		**279.6790**

3.7 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.3845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	**12.7530**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**		**281.4481**	**281.4481**	**0.0332**		**282.1449**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.6500e-003	4.9300e-003	0.0517	1.3000e-004	0.0112	8.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0400e-003		10.7457	10.7457	5.3000e-004		10.7569
Total	**3.6500e-003**	**4.9300e-003**	**0.0517**	**1.3000e-004**	**0.0112**	**8.0000e-005**	**0.0113**	**2.9600e-003**	**7.0000e-005**	**3.0400e-003**		**10.7457**	**10.7457**	**5.3000e-004**		**10.7569**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	12.3845					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	**12.7530**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**	**0.0000**	**281.4481**	**281.4481**	**0.0332**		**282.1449**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	3.6500e-003	4.9300e-003	0.0517	1.3000e-004	0.0112	8.0000e-005	0.0113	2.9600e-003	7.0000e-005	3.0400e-003		10.7457	10.7457	5.3000e-004		10.7569

Total	**3.6500e-003**	**4.9300e-003**	**0.0517**	**1.3000e-004**	**0.0112**	**8.0000e-005**	**0.0113**	**2.9600e-003**	**7.0000e-005**	**3.0400e-003**		**10.7457**	**10.7457**	**5.3000e-004**		**10.7569**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1539	2.6513	12.0672	0.0313	2.3437	0.0359	2.3795	0.6253	0.0330	0.6584		2,634.9365	2,634.9365	0.1046		2,637.1329
Unmitigated	1.1539	2.6513	12.0672	0.0313	2.3437	0.0359	2.3795	0.6253	0.0330	0.6584		2,634.9365	2,634.9365	0.1046		2,637.1329

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	367.27	150.03	16.17	864,051	864,051
Total	367.27	150.03	16.17	864,051	864,051

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.510449	0.057012	0.191854	0.151889	0.041459	0.005887	0.015572	0.014818	0.001440	0.002145	0.004716	0.000509	0.002251

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.2600e-003	0.0569	0.0478	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.2913	68.2913	1.3100e-003	1.2500e-003	68.7069
NaturalGas Unmitigated	6.2600e-003	0.0569	0.0478	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.2913	68.2913	1.3100e-003	1.2500e-003	68.7069

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	580.476	6.2600e-003	0.0569	0.0478	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.2913	68.2913	1.3100e-003	1.2500e-003	68.7069
Total		**6.2600e-003**	**0.0569**	**0.0478**	**3.4000e-004**		**4.3300e-003**	**4.3300e-003**		**4.3300e-003**	**4.3300e-003**		**68.2913**	**68.2913**	**1.3100e-003**	**1.2500e-003**	**68.7069**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	0.580476	6.2600e-003	0.0569	0.0478	3.4000e-004		4.3300e-003	4.3300e-003		4.3300e-003	4.3300e-003		68.2913	68.2913	1.3100e-003	1.2500e-003	68.7069
Total		**6.2600e-003**	**0.0569**	**0.0478**	**3.4000e-004**		**4.3300e-003**	**4.3300e-003**		**4.3300e-003**	**4.3300e-003**		**68.2913**	**68.2913**	**1.3100e-003**	**1.2500e-003**	**68.7069**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3495	1.0000e-005	1.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		2.9200e-003	2.9200e-003	1.0000e-005		3.0900e-003
Unmitigated	0.3495	1.0000e-005	1.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		2.9200e-003	2.9200e-003	1.0000e-005		3.0900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Consumer Products	0.2645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		2.9200e-003	2.9200e-003	1.0000e-005		3.0900e-003
Architectural Coating	0.0848					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3495**	**1.0000e-005**	**1.3900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**2.9200e-003**	**2.9200e-003**	**1.0000e-005**		**3.0900e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Consumer Products	0.2645					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		2.9200e-003	2.9200e-003	1.0000e-005		3.0900e-003
Architectural Coating	0.0848					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3495**	**1.0000e-005**	**1.3900e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**2.9200e-003**	**2.9200e-003**	**1.0000e-005**		**3.0900e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

Phase 1 - Recycling Center

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	7.77	1000sqft	0.18	7,771.00	0
Parking Lot	173.80	1000sqft	4.00	173,804.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - Modified to reflect construction of 7,771 GSF structure

Off-road Equipment -

Off-road Equipment - Modified to reflect construction of 7,771 SF building

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Demolition -

Architectural Coating - modified based on SCAQMD rule 1113 (VOC content of 50 g/L and composite factor of 141 based on requirement of 100g/L for parking lot paints and 250 g/L for non-residential exterior)

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	6,493.00	14,314.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	19,478.00	11,657.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	141.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	230.00	100.00
tblConstructionPhase	NumDays	20.00	5.00
tblLandUse	LandUseSquareFeet	7,770.00	7,771.00
tblLandUse	LandUseSquareFeet	173,800.00	173,804.00
tblLandUse	LotAcreage	3.99	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	OperationalYear	2014	2017

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Year	tons/yr										MT/yr					
2015	0.0463	0.4785	0.3480	3.8000e-004	0.0736	0.0272	0.1009	0.0389	0.0251	0.0640	0.0000	36.0645	36.0645	9.9800e-003	0.0000	36.2742
2016	0.1878	1.0782	0.9703	1.6700e-003	0.0549	0.0650	0.1199	0.0148	0.0599	0.0747	0.0000	145.8466	145.8466	0.0244	0.0000	146.3581
Total	**0.2341**	**1.5567**	**1.3183**	**2.0500e-003**	**0.1285**	**0.0922**	**0.2207**	**0.0536**	**0.0850**	**0.1387**	**0.0000**	**181.9111**	**181.9111**	**0.0343**	**0.0000**	**182.6323**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2015	0.0463	0.4785	0.3480	3.8000e-004	0.0300	0.0272	0.0572	0.0155	0.0251	0.0406	0.0000	36.0645	36.0645	9.9800e-003	0.0000	36.2742
2016	0.1878	1.0782	0.9703	1.6700e-003	0.0549	0.0650	0.1199	0.0148	0.0599	0.0747	0.0000	145.8465	145.8465	0.0244	0.0000	146.3580
Total	**0.2341**	**1.5567**	**1.3183**	**2.0500e-003**	**0.0849**	**0.0922**	**0.1771**	**0.0303**	**0.0850**	**0.1153**	**0.0000**	**181.9110**	**181.9110**	**0.0343**	**0.0000**	**182.6321**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**33.96**	**0.00**	**19.78**	**43.59**	**0.00**	**16.86**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6714	2.0000e-005	2.3600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.5100e-003	4.5100e-003	1.0000e-005	0.0000	4.7700e-003

Energy	6.6000e-004	6.0400e-003	5.0700e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	81.5899	81.5899	3.5700e-003	8.3000e-004	81.9235
Mobile	0.0898	0.2228	1.0006	2.6100e-003	0.1898	2.9500e-003	0.1928	0.0507	2.7100e-003	0.0534	0.0000	199.3204	199.3204	7.8100e-003	0.0000	199.4845
Waste						0.0000	0.0000		0.0000	0.0000	2.0502	0.0000	2.0502	0.1212	0.0000	4.5947
Water						0.0000	0.0000		0.0000	0.0000	0.1209	3.3153	3.4362	0.0126	3.2000e-004	3.8008
Total	**0.7618**	**0.2289**	**1.0080**	**2.6500e-003**	**0.1898**	**3.4200e-003**	**0.1932**	**0.0507**	**3.1800e-003**	**0.0539**	**2.1711**	**284.2302**	**286.4013**	**0.1451**	**1.1500e-003**	**289.8083**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6714	2.0000e-005	2.3600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.5100e-003	4.5100e-003	1.0000e-005	0.0000	4.7700e-003
Energy	6.6000e-004	6.0400e-003	5.0700e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	81.5899	81.5899	3.5700e-003	8.3000e-004	81.9235
Mobile	0.0898	0.2228	1.0006	2.6100e-003	0.1898	2.9500e-003	0.1928	0.0507	2.7100e-003	0.0534	0.0000	199.3204	199.3204	7.8100e-003	0.0000	199.4845
Waste						0.0000	0.0000		0.0000	0.0000	2.0502	0.0000	2.0502	0.1212	0.0000	4.5947
Water						0.0000	0.0000		0.0000	0.0000	0.1209	3.3153	3.4362	0.0126	3.2000e-004	3.8007
Total	**0.7618**	**0.2289**	**1.0080**	**2.6500e-003**	**0.1898**	**3.4200e-003**	**0.1932**	**0.0507**	**3.1800e-003**	**0.0539**	**2.1711**	**284.2302**	**286.4013**	**0.1451**	**1.1500e-003**	**289.8081**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2015	12/7/2015	5	5	
2	Site Preparation	Site Preparation	12/8/2015	12/14/2015	5	5	
3	Grading	Grading	12/15/2015	12/24/2015	5	8	
4	Trenching	Trenching	12/25/2015	1/7/2016	5	10	
5	Building Construction	Building Construction	1/8/2016	5/26/2016	5	100	
6	Paving	Paving	5/27/2016	6/21/2016	5	18	
7	Architectural Coating	Architectural Coating	6/22/2016	7/15/2016	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 11,657; Non-Residential Outdoor: 14,314 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Plate Compactors	2	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Trenchers	2	8.00	80	0.50
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20

Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	2.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	76.00	30.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					1.8000e-004	0.0000	1.8000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0113	0.1209	0.0902	1.0000e-004		6.1300e-003	6.1300e-003		5.7100e-003	5.7100e-003	0.0000	9.3603	9.3603	2.5400e-003	0.0000	9.4136
Total	**0.0113**	**0.1209**	**0.0902**	**1.0000e-004**	**1.8000e-004**	**6.1300e-003**	**6.3100e-003**	**3.0000e-005**	**5.7100e-003**	**5.7400e-003**	**0.0000**	**9.3603**	**9.3603**	**2.5400e-003**	**0.0000**	**9.4136**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	3.3000e-004	2.4000e-004	0.0000	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0679	0.0679	0.0000	0.0000	0.0679
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	2.1000e-004	2.1800e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3846	0.3846	2.0000e-005	0.0000	0.3850
Total	**1.6000e-004**	**5.4000e-004**	**2.4200e-003**	**0.0000**	**4.3000e-004**	**1.0000e-005**	**4.3000e-004**	**1.1000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.4525**	**0.4525**	**2.0000e-005**	**0.0000**	**0.4529**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.0000e-005	0.0000	7.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0113	0.1209	0.0902	1.0000e-004		6.1300e-003	6.1300e-003		5.7100e-003	5.7100e-003	0.0000	9.3603	9.3603	2.5400e-003	0.0000	9.4136

Total	**0.0113**	**0.1209**	**0.0902**	**1.0000e-004**	**7.0000e-005**	**6.1300e-003**	**6.2000e-003**	**1.0000e-005**	**5.7100e-003**	**5.7200e-003**	**0.0000**	**9.3603**	**9.3603**	**2.5400e-003**	**0.0000**	**9.4136**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	3.3000e-004	2.4000e-004	0.0000	2.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0679	0.0679	0.0000	0.0000	0.0679
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4000e-004	2.1000e-004	2.1800e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3846	0.3846	2.0000e-005	0.0000	0.3850
Total	**1.6000e-004**	**5.4000e-004**	**2.4200e-003**	**0.0000**	**4.3000e-004**	**1.0000e-005**	**4.3000e-004**	**1.1000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.4525**	**0.4525**	**2.0000e-005**	**0.0000**	**0.4529**

3.3 Site Preparation - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0132	0.1422	0.1066	1.0000e-004		7.7200e-003	7.7200e-003		7.1000e-003	7.1000e-003	0.0000	9.3253	9.3253	2.7800e-003	0.0000	9.3837
Total	**0.0132**	**0.1422**	**0.1066**	**1.0000e-004**	**0.0452**	**7.7200e-003**	**0.0529**	**0.0248**	**7.1000e-003**	**0.0319**	**0.0000**	**9.3253**	**9.3253**	**2.7800e-003**	**0.0000**	**9.3837**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.5000e-004	2.6200e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4615	0.4615	2.0000e-005	0.0000	0.4620
Total	**1.7000e-004**	**2.5000e-004**	**2.6200e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4615**	**0.4615**	**2.0000e-005**	**0.0000**	**0.4620**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0176	0.0000	0.0176	9.6800e-003	0.0000	9.6800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0132	0.1422	0.1066	1.0000e-004		7.7200e-003	7.7200e-003		7.1000e-003	7.1000e-003	0.0000	9.3253	9.3253	2.7800e-003	0.0000	9.3837
Total	**0.0132**	**0.1422**	**0.1066**	**1.0000e-004**	**0.0176**	**7.7200e-003**	**0.0253**	**9.6800e-003**	**7.1000e-003**	**0.0168**	**0.0000**	**9.3253**	**9.3253**	**2.7800e-003**	**0.0000**	**9.3837**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.5000e-004	2.6200e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4615	0.4615	2.0000e-005	0.0000	0.4620
Total	**1.7000e-004**	**2.5000e-004**	**2.6200e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4615**	**0.4615**	**2.0000e-005**	**0.0000**	**0.4620**

3.4 Grading - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.1617	0.1067	1.2000e-004		9.3100e-003	9.3100e-003		8.5700e-003	8.5700e-003	0.0000	11.3544	11.3544	3.3900e-003	0.0000	11.4256
Total	**0.0153**	**0.1617**	**0.1067**	**1.2000e-004**	**0.0262**	**9.3100e-003**	**0.0355**	**0.0135**	**8.5700e-003**	**0.0220**	**0.0000**	**11.3544**	**11.3544**	**3.3900e-003**	**0.0000**	**11.4256**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	3.4000e-004	3.4900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.6153	0.6153	3.0000e-005	0.0000	0.6160
Total	**2.3000e-004**	**3.4000e-004**	**3.4900e-003**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**6.6000e-004**	**1.7000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.6153**	**0.6153**	**3.0000e-005**	**0.0000**	**0.6160**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0102	0.0000	0.0102	5.2500e-003	0.0000	5.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0153	0.1617	0.1067	1.2000e-004		9.3100e-003	9.3100e-003		8.5700e-003	8.5700e-003	0.0000	11.3544	11.3544	3.3900e-003	0.0000	11.4256
Total	**0.0153**	**0.1617**	**0.1067**	**1.2000e-004**	**0.0102**	**9.3100e-003**	**0.0195**	**5.2500e-003**	**8.5700e-003**	**0.0138**	**0.0000**	**11.3544**	**11.3544**	**3.3900e-003**	**0.0000**	**11.4256**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	3.4000e-004	3.4900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.6153	0.6153	3.0000e-005	0.0000	0.6160
Total	**2.3000e-004**	**3.4000e-004**	**3.4900e-003**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**6.6000e-004**	**1.7000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.6153**	**0.6153**	**3.0000e-005**	**0.0000**	**0.6160**

3.5 Trenching - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.7900e-003	0.0523	0.0334	4.0000e-005		4.0400e-003	4.0400e-003		3.7200e-003	3.7200e-003	0.0000	4.0339	4.0339	1.1700e-003	0.0000	4.0585
Total	**5.7900e-003**	**0.0523**	**0.0334**	**4.0000e-005**		**4.0400e-003**	**4.0400e-003**		**3.7200e-003**	**3.7200e-003**	**0.0000**	**4.0339**	**4.0339**	**1.1700e-003**	**0.0000**	**4.0585**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.5000e-004	2.6200e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4615	0.4615	2.0000e-005	0.0000	0.4620
Total	**1.7000e-004**	**2.5000e-004**	**2.6200e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4615**	**0.4615**	**2.0000e-005**	**0.0000**	**0.4620**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.7900e-003	0.0523	0.0334	4.0000e-005		4.0400e-003	4.0400e-003		3.7200e-003	3.7200e-003	0.0000	4.0339	4.0339	1.1700e-003	0.0000	4.0585

Total	**5.7900e-003**	**0.0523**	**0.0334**	**4.0000e-005**		**4.0400e-003**	**4.0400e-003**		**3.7200e-003**	**3.7200e-003**	**0.0000**	**4.0339**	**4.0339**	**1.1700e-003**	**0.0000**	**4.0585**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.5000e-004	2.6200e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4615	0.4615	2.0000e-005	0.0000	0.4620
Total	**1.7000e-004**	**2.5000e-004**	**2.6200e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4615**	**0.4615**	**2.0000e-005**	**0.0000**	**0.4620**

3.5 Trenching - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5300e-003	0.0500	0.0332	4.0000e-005		3.8400e-003	3.8400e-003		3.5300e-003	3.5300e-003	0.0000	3.9904	3.9904	1.1700e-003	0.0000	4.0150
Total	**5.5300e-003**	**0.0500**	**0.0332**	**4.0000e-005**		**3.8400e-003**	**3.8400e-003**		**3.5300e-003**	**3.5300e-003**	**0.0000**	**3.9904**	**3.9904**	**1.1700e-003**	**0.0000**	**4.0150**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	2.3000e-004	2.3800e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4453	0.4453	2.0000e-005	0.0000	0.4457
Total	**1.5000e-004**	**2.3000e-004**	**2.3800e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4453**	**0.4453**	**2.0000e-005**	**0.0000**	**0.4457**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5300e-003	0.0500	0.0332	4.0000e-005		3.8400e-003	3.8400e-003		3.5300e-003	3.5300e-003	0.0000	3.9903	3.9903	1.1700e-003	0.0000	4.0150
Total	**5.5300e-003**	**0.0500**	**0.0332**	**4.0000e-005**		**3.8400e-003**	**3.8400e-003**		**3.5300e-003**	**3.5300e-003**	**0.0000**	**3.9903**	**3.9903**	**1.1700e-003**	**0.0000**	**4.0150**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	2.3000e-004	2.3800e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4453	0.4453	2.0000e-005	0.0000	0.4457
Total	**1.5000e-004**	**2.3000e-004**	**2.3800e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4453**	**0.4453**	**2.0000e-005**	**0.0000**	**0.4457**

3.6 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4584	53.4584	0.0161	0.0000	53.7970
Total	**0.0691**	**0.6853**	**0.4106**	**5.7000e-004**		**0.0470**	**0.0470**		**0.0432**	**0.0432**	**0.0000**	**53.4584**	**53.4584**	**0.0161**	**0.0000**	**53.7970**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.1354	0.1769	3.2000e-004	9.2300e-003	2.0700e-003	0.0113	2.6400e-003	1.9000e-003	4.5300e-003	0.0000	29.4052	29.4052	2.1000e-004	0.0000	29.4096
Worker	0.0130	0.0192	0.2006	5.0000e-004	0.0417	3.0000e-004	0.0420	0.0111	2.7000e-004	0.0114	0.0000	37.6015	37.6015	1.8400e-003	0.0000	37.6402
Total	**0.0270**	**0.1546**	**0.3774**	**8.2000e-004**	**0.0510**	**2.3700e-003**	**0.0533**	**0.0137**	**2.1700e-003**	**0.0159**	**0.0000**	**67.0067**	**67.0067**	**2.0500e-003**	**0.0000**	**67.0498**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0691	0.6853	0.4106	5.7000e-004		0.0470	0.0470		0.0432	0.0432	0.0000	53.4583	53.4583	0.0161	0.0000	53.7969
Total	**0.0691**	**0.6853**	**0.4106**	**5.7000e-004**		**0.0470**	**0.0470**		**0.0432**	**0.0432**	**0.0000**	**53.4583**	**53.4583**	**0.0161**	**0.0000**	**53.7969**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0140	0.1354	0.1769	3.2000e-004	9.2300e-003	2.0700e-003	0.0113	2.6400e-003	1.9000e-003	4.5300e-003	0.0000	29.4052	29.4052	2.1000e-004	0.0000	29.4096
Worker	0.0130	0.0192	0.2006	5.0000e-004	0.0417	3.0000e-004	0.0420	0.0111	2.7000e-004	0.0114	0.0000	37.6015	37.6015	1.8400e-003	0.0000	37.6402
Total	**0.0270**	**0.1546**	**0.3774**	**8.2000e-004**	**0.0510**	**2.3700e-003**	**0.0533**	**0.0137**	**2.1700e-003**	**0.0159**	**0.0000**	**67.0067**	**67.0067**	**2.0500e-003**	**0.0000**	**67.0498**

3.7 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0162	0.1651	0.1131	1.7000e-004		9.9600e-003	9.9600e-003		9.1800e-003	9.1800e-003	0.0000	15.5310	15.5310	4.5600e-003	0.0000	15.6268
Paving	5.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0214**	**0.1651**	**0.1131**	**1.7000e-004**		**9.9600e-003**	**9.9600e-003**		**9.1800e-003**	**9.1800e-003**	**0.0000**	**15.5310**	**15.5310**	**4.5600e-003**	**0.0000**	**15.6268**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	9.1000e-004	9.5000e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7811	1.7811	9.0000e-005	0.0000	1.7830
Total	**6.2000e-004**	**9.1000e-004**	**9.5000e-003**	**2.0000e-005**	**1.9800e-003**	**1.0000e-005**	**1.9900e-003**	**5.2000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.7811**	**1.7811**	**9.0000e-005**	**0.0000**	**1.7830**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0162	0.1651	0.1131	1.7000e-004		9.9600e-003	9.9600e-003		9.1800e-003	9.1800e-003	0.0000	15.5310	15.5310	4.5600e-003	0.0000	15.6268

Paving	5.2400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0214**	**0.1651**	**0.1131**	**1.7000e-004**		**9.9600e-003**	**9.9600e-003**		**9.1800e-003**	**9.1800e-003**	**0.0000**	**15.5310**	**15.5310**	**4.5600e-003**	**0.0000**	**15.6268**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	9.1000e-004	9.5000e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.7811	1.7811	9.0000e-005	0.0000	1.7830
Total	**6.2000e-004**	**9.1000e-004**	**9.5000e-003**	**2.0000e-005**	**1.9800e-003**	**1.0000e-005**	**1.9900e-003**	**5.2000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.7811**	**1.7811**	**9.0000e-005**	**0.0000**	**1.7830**

3.8 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0603					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3200e-003	0.0214	0.0170	3.0000e-005		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003	0.0000	2.2979	2.2979	2.7000e-004	0.0000	2.3036
Total	**0.0636**	**0.0214**	**0.0170**	**3.0000e-005**		**1.7700e-003**	**1.7700e-003**		**1.7700e-003**	**1.7700e-003**	**0.0000**	**2.2979**	**2.2979**	**2.7000e-004**	**0.0000**	**2.3036**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	6.8000e-004	7.1300e-003	2.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.3358	1.3358	7.0000e-005	0.0000	1.3372
Total	**4.6000e-004**	**6.8000e-004**	**7.1300e-003**	**2.0000e-005**	**1.4800e-003**	**1.0000e-005**	**1.4900e-003**	**3.9000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**1.3358**	**1.3358**	**7.0000e-005**	**0.0000**	**1.3372**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0603					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3200e-003	0.0214	0.0170	3.0000e-005		1.7700e-003	1.7700e-003		1.7700e-003	1.7700e-003	0.0000	2.2979	2.2979	2.7000e-004	0.0000	2.3036
Total	**0.0636**	**0.0214**	**0.0170**	**3.0000e-005**		**1.7700e-003**	**1.7700e-003**		**1.7700e-003**	**1.7700e-003**	**0.0000**	**2.2979**	**2.2979**	**2.7000e-004**	**0.0000**	**2.3036**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	6.8000e-004	7.1300e-003	2.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.3358	1.3358	7.0000e-005	0.0000	1.3372
Total	**4.6000e-004**	**6.8000e-004**	**7.1300e-003**	**2.0000e-005**	**1.4800e-003**	**1.0000e-005**	**1.4900e-003**	**3.9000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**1.3358**	**1.3358**	**7.0000e-005**	**0.0000**	**1.3372**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0898	0.2228	1.0006	2.6100e-003	0.1898	2.9500e-003	0.1928	0.0507	2.7100e-003	0.0534	0.0000	199.3204	199.3204	7.8100e-003	0.0000	199.4845
Unmitigated	0.0898	0.2228	1.0006	2.6100e-003	0.1898	2.9500e-003	0.1928	0.0507	2.7100e-003	0.0534	0.0000	199.3204	199.3204	7.8100e-003	0.0000	199.4845

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	213.60	87.26	9.40	502,521	502,521
Parking Lot	0.00	0.00	0.00		
Total	213.60	87.26	9.40	502,521	502,521

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.510449	0.057012	0.191854	0.151889	0.041459	0.005887	0.015572	0.014818	0.001440	0.002145	0.004716	0.000509	0.002251

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	75.0130	75.0130	3.4500e-003	7.1000e-004	75.3065
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	75.0130	75.0130	3.4500e-003	7.1000e-004	75.3065
NaturalGas Mitigated	6.6000e-004	6.0400e-003	5.0700e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	6.5770	6.5770	1.3000e-004	1.2000e-004	6.6170
NaturalGas Unmitigated	6.6000e-004	6.0400e-003	5.0700e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	6.5770	6.5770	1.3000e-004	1.2000e-004	6.6170

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					

Junior College (2Yr)	123248	6.6000e-004	6.0400e-003	5.0700e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	6.5770	6.5770	1.3000e-004	1.2000e-004	6.6170
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**6.6000e-004**	**6.0400e-003**	**5.0700e-003**	**4.0000e-005**		**4.6000e-004**	**4.6000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**6.5770**	**6.5770**	**1.3000e-004**	**1.2000e-004**	**6.6170**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	123248	6.6000e-004	6.0400e-003	5.0700e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	6.5770	6.5770	1.3000e-004	1.2000e-004	6.6170
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**6.6000e-004**	**6.0400e-003**	**5.0700e-003**	**4.0000e-005**		**4.6000e-004**	**4.6000e-004**		**4.6000e-004**	**4.6000e-004**	**0.0000**	**6.5770**	**6.5770**	**1.3000e-004**	**1.2000e-004**	**6.6170**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	109183	31.2444	1.4400e-003	3.0000e-004	31.3667
Parking Lot	152948	43.7685	2.0100e-003	4.2000e-004	43.9398
Total		**75.0130**	**3.4500e-003**	**7.2000e-004**	**75.3065**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	109183	31.2444	1.4400e-003	3.0000e-004	31.3667
Parking Lot	152948	43.7685	2.0100e-003	4.2000e-004	43.9398
Total		**75.0130**	**3.4500e-003**	**7.2000e-004**	**75.3065**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6714	2.0000e-005	2.3600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.5100e-003	4.5100e-003	1.0000e-005	0.0000	4.7700e-003
Unmitigated	0.6714	2.0000e-005	2.3600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.5100e-003	4.5100e-003	1.0000e-005	0.0000	4.7700e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.3600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.5100e-003	4.5100e-003	1.0000e-005	0.0000	4.7700e-003
Total	**0.6714**	**2.0000e-005**	**2.3600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.5100e-003**	**4.5100e-003**	**1.0000e-005**	**0.0000**	**4.7700e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0151					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6561					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.3600e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.5100e-003	4.5100e-003	1.0000e-005	0.0000	4.7700e-003
Total	**0.6714**	**2.0000e-005**	**2.3600e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.5100e-003**	**4.5100e-003**	**1.0000e-005**	**0.0000**	**4.7700e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	3.4362	0.0126	3.2000e-004	3.8007

Unmitigated	3.4362	0.0126	3.2000e-004	3.8008

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.381111 / 0.596097	3.4362	0.0126	3.2000e-004	3.8008
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**3.4362**	**0.0126**	**3.2000e-004**	**3.8008**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.381111 / 0.596097	3.4362	0.0126	3.2000e-004	3.8007
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**3.4362**	**0.0126**	**3.2000e-004**	**3.8007**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.0502	0.1212	0.0000	4.5947
Unmitigated	2.0502	0.1212	0.0000	4.5947

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	10.1	2.0502	0.1212	0.0000	4.5947
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**2.0502**	**0.1212**	**0.0000**	**4.5947**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

Junior College (2Yr)	10.1	2.0502	0.1212	0.0000	4.5947
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**2.0502**	**0.1212**	**0.0000**	**4.5947**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 1 - Recycling Center

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	7.77	1000sqft	0.18	7,771.00	0
Parking Lot	173.80	1000sqft	4.00	173,804.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - Modified to reflect construction of 7,771 GSF structure

Off-road Equipment -

Off-road Equipment - Modified to reflect construction of 7,771 SF building

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Demolition -

Architectural Coating - modified based on SCAQMD rule 1113 (VOC content of 50 g/L and composite factor of 141 based on requirement of 100g/L for parking lot paints and 250 g/L for non-residential exterior)

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	6,493.00	14,314.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	19,478.00	11,657.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	141.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	230.00	100.00
tblConstructionPhase	NumDays	20.00	5.00
tblLandUse	LandUseSquareFeet	7,770.00	7,771.00
tblLandUse	LandUseSquareFeet	173,800.00	173,804.00
tblLandUse	LotAcreage	3.99	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	OperationalYear	2014	2017

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Year	lb/day										lb/day					
2015	5.3296	56.9789	43.7182	0.0422	18.2675	3.0897	21.3572	9.9840	2.8426	12.8266	0.0000	4,333.5504	4,333.5504	1.2379	0.0000	4,359.5469
2016	7.1184	20.0872	15.4508	0.0281	1.0370	1.5366	2.0238	0.2787	1.4153	1.4686	0.0000	2,691.4286	2,691.4286	0.5695	0.0000	2,703.3873
Total	**12.4480**	**77.0660**	**59.1690**	**0.0704**	**19.3044**	**4.6264**	**23.3810**	**10.2627**	**4.2578**	**14.2952**	**0.0000**	**7,024.9791**	**7,024.9791**	**1.8074**	**0.0000**	**7,062.9342**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	5.3296	56.9789	43.7182	0.0422	7.2470	3.0897	10.3368	3.9263	2.8426	6.7689	0.0000	4,333.5504	4,333.5504	1.2379	0.0000	4,359.5469
2016	7.1184	20.0872	15.4508	0.0281	1.0370	1.5366	2.0238	0.2787	1.4153	1.4686	0.0000	2,691.4286	2,691.4286	0.5695	0.0000	2,703.3873
Total	**12.4480**	**77.0660**	**59.1690**	**0.0704**	**8.2840**	**4.6264**	**12.3606**	**4.2050**	**4.2578**	**8.2375**	**0.0000**	**7,024.9791**	**7,024.9791**	**1.8074**	**0.0000**	**7,062.9342**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**57.09**	**0.00**	**47.13**	**59.03**	**0.00**	**42.38**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.6795	1.8000e-004	0.0189	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0397	0.0397	1.1000e-004		0.0421

Energy	3.6400e-003	0.0331	0.0278	2.0000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003		39.7254	39.7254	7.6000e-004	7.3000e-004	39.9672
Mobile	0.6340	1.4607	7.0536	0.0191	1.3631	0.0208	1.3838	0.3637	0.0191	0.3828		1,602.3568	1,602.3568	0.0608		1,603.6335
Total	**4.3171**	**1.4940**	**7.1003**	**0.0193**	**1.3631**	**0.0234**	**1.3864**	**0.3637**	**0.0217**	**0.3854**		**1,642.1219**	**1,642.1219**	**0.0617**	**7.3000e-004**	**1,643.6428**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.6795	1.8000e-004	0.0189	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0397	0.0397	1.1000e-004		0.0421
Energy	3.6400e-003	0.0331	0.0278	2.0000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003		39.7254	39.7254	7.6000e-004	7.3000e-004	39.9672
Mobile	0.6340	1.4607	7.0536	0.0191	1.3631	0.0208	1.3838	0.3637	0.0191	0.3828		1,602.3568	1,602.3568	0.0608		1,603.6335
Total	**4.3171**	**1.4940**	**7.1003**	**0.0193**	**1.3631**	**0.0234**	**1.3864**	**0.3637**	**0.0217**	**0.3854**		**1,642.1219**	**1,642.1219**	**0.0617**	**7.3000e-004**	**1,643.6428**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2015	12/7/2015	5	5	
2	Site Preparation	Site Preparation	12/8/2015	12/14/2015	5	5	
3	Grading	Grading	12/15/2015	12/24/2015	5	8	
4	Trenching	Trenching	12/25/2015	1/7/2016	5	10	

5	Building Construction	Building Construction	1/8/2016	5/26/2016	5	100	
6	Paving	Paving	5/27/2016	6/21/2016	5	18	
7	Architectural Coating	Architectural Coating	6/22/2016	7/15/2016	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 11,657; Non-Residential Outdoor: 14,314 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Plate Compactors	2	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Trenchers	2	8.00	80	0.50
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42

Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	2.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	76.00	30.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0730	0.0000	0.0730	0.0111	0.0000	0.0111			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858		4,127.1934	4,127.1934	1.1188		4,150.6886
Total	**4.5083**	**48.3629**	**36.0738**	**0.0399**	**0.0730**	**2.4508**	**2.5239**	**0.0111**	**2.2858**	**2.2968**		**4,127.1934**	**4,127.1934**	**1.1188**		**4,150.6886**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.0800e-003	0.1249	0.0850	2.9000e-004	6.9700e-003	2.0700e-003	9.0400e-003	1.9100e-003	1.9000e-003	3.8100e-003		29.9832	29.9832	2.3000e-004		29.9881
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0572	0.0743	0.9054	2.0400e-003	0.1677	1.2200e-003	0.1689	0.0445	1.1200e-003	0.0456		176.3739	176.3739	8.6700e-003		176.5558
Total	**0.0653**	**0.1992**	**0.9904**	**2.3300e-003**	**0.1746**	**3.2900e-003**	**0.1779**	**0.0464**	**3.0200e-003**	**0.0494**		**206.3570**	**206.3570**	**8.9000e-003**		**206.5439**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0285	0.0000	0.0285	4.3100e-003	0.0000	4.3100e-003			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858	0.0000	4,127.1934	4,127.1934	1.1188		4,150.6886
Total	**4.5083**	**48.3629**	**36.0738**	**0.0399**	**0.0285**	**2.4508**	**2.4793**	**4.3100e-003**	**2.2858**	**2.2901**	**0.0000**	**4,127.1934**	**4,127.1934**	**1.1188**		**4,150.6886**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.0800e-003	0.1249	0.0850	2.9000e-004	6.9700e-003	2.0700e-003	9.0400e-003	1.9100e-003	1.9000e-003	3.8100e-003		29.9832	29.9832	2.3000e-004		29.9881
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0572	0.0743	0.9054	2.0400e-003	0.1677	1.2200e-003	0.1689	0.0445	1.1200e-003	0.0456		176.3739	176.3739	8.6700e-003		176.5558
Total	**0.0653**	**0.1992**	**0.9904**	**2.3300e-003**	**0.1746**	**3.2900e-003**	**0.1779**	**0.0464**	**3.0200e-003**	**0.0494**		**206.3570**	**206.3570**	**8.9000e-003**		**206.5439**

3.3 Site Preparation - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2609	56.8897	42.6318	0.0391		3.0883	3.0883		2.8412	2.8412		4,111.7444	4,111.7444	1.2275		4,137.5225
Total	**5.2609**	**56.8897**	**42.6318**	**0.0391**	**18.0663**	**3.0883**	**21.1545**	**9.9307**	**2.8412**	**12.7719**		**4,111.7444**	**4,111.7444**	**1.2275**		**4,137.5225**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0687	0.0892	1.0865	2.4400e-003	0.2012	1.4600e-003	0.2027	0.0534	1.3400e-003	0.0547		211.6486	211.6486	0.0104		211.8670
Total	**0.0687**	**0.0892**	**1.0865**	**2.4400e-003**	**0.2012**	**1.4600e-003**	**0.2027**	**0.0534**	**1.3400e-003**	**0.0547**		**211.6486**	**211.6486**	**0.0104**		**211.8670**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	5.2609	56.8897	42.6318	0.0391		3.0883	3.0883		2.8412	2.8412	0.0000	4,111.7444	4,111.7444	1.2275		4,137.5224
Total	**5.2609**	**56.8897**	**42.6318**	**0.0391**	**7.0458**	**3.0883**	**10.1341**	**3.8730**	**2.8412**	**6.7142**	**0.0000**	**4,111.7444**	**4,111.7444**	**1.2275**		**4,137.5224**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0687	0.0892	1.0865	2.4400e-003	0.2012	1.4600e-003	0.2027	0.0534	1.3400e-003	0.0547		211.6486	211.6486	0.0104		211.8670
Total	**0.0687**	**0.0892**	**1.0865**	**2.4400e-003**	**0.2012**	**1.4600e-003**	**0.2027**	**0.0534**	**1.3400e-003**	**0.0547**		**211.6486**	**211.6486**	**0.0104**		**211.8670**

3.4 Grading - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.8327	40.4161	26.6731	0.0298		2.3284	2.3284		2.1421	2.1421		3,129.0158	3,129.0158	0.9341		3,148.6328
Total	**3.8327**	**40.4161**	**26.6731**	**0.0298**	**6.5523**	**2.3284**	**8.8807**	**3.3675**	**2.1421**	**5.5096**		**3,129.0158**	**3,129.0158**	**0.9341**		**3,148.6328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0572	0.0743	0.9054	2.0400e-003	0.1677	1.2200e-003	0.1689	0.0445	1.1200e-003	0.0456		176.3739	176.3739	8.6700e-003		176.5558
Total	**0.0572**	**0.0743**	**0.9054**	**2.0400e-003**	**0.1677**	**1.2200e-003**	**0.1689**	**0.0445**	**1.1200e-003**	**0.0456**		**176.3739**	**176.3739**	**8.6700e-003**		**176.5558**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	3.8327	40.4161	26.6731	0.0298		2.3284	2.3284		2.1421	2.1421	0.0000	3,129.0158	3,129.0158	0.9341		3,148.6328
Total	**3.8327**	**40.4161**	**26.6731**	**0.0298**	**2.5554**	**2.3284**	**4.8838**	**1.3133**	**2.1421**	**3.4554**	**0.0000**	**3,129.0158**	**3,129.0158**	**0.9341**		**3,148.6328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0572	0.0743	0.9054	2.0400e-003	0.1677	1.2200e-003	0.1689	0.0445	1.1200e-003	0.0456		176.3739	176.3739	8.6700e-003		176.5558
Total	**0.0572**	**0.0743**	**0.9054**	**2.0400e-003**	**0.1677**	**1.2200e-003**	**0.1689**	**0.0445**	**1.1200e-003**	**0.0456**		**176.3739**	**176.3739**	**8.6700e-003**		**176.5558**

3.5 Trenching - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3142	20.9277	13.3619	0.0172		1.6178	1.6178		1.4900	1.4900		1,778.6234	1,778.6234	0.5176		1,789.4923
Total	**2.3142**	**20.9277**	**13.3619**	**0.0172**		**1.6178**	**1.6178**		**1.4900**	**1.4900**		**1,778.6234**	**1,778.6234**	**0.5176**		**1,789.4923**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0687	0.0892	1.0865	2.4400e-003	0.2012	1.4600e-003	0.2027	0.0534	1.3400e-003	0.0547		211.6486	211.6486	0.0104		211.8670
Total	**0.0687**	**0.0892**	**1.0865**	**2.4400e-003**	**0.2012**	**1.4600e-003**	**0.2027**	**0.0534**	**1.3400e-003**	**0.0547**		**211.6486**	**211.6486**	**0.0104**		**211.8670**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3142	20.9277	13.3619	0.0172		1.6178	1.6178		1.4900	1.4900	0.0000	1,778.6234	1,778.6234	0.5176		1,789.4923
Total	**2.3142**	**20.9277**	**13.3619**	**0.0172**		**1.6178**	**1.6178**		**1.4900**	**1.4900**	**0.0000**	**1,778.6234**	**1,778.6234**	**0.5176**		**1,789.4923**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0687	0.0892	1.0865	2.4400e-003	0.2012	1.4600e-003	0.2027	0.0534	1.3400e-003	0.0547		211.6486	211.6486	0.0104		211.8670
Total	**0.0687**	**0.0892**	**1.0865**	**2.4400e-003**	**0.2012**	**1.4600e-003**	**0.2027**	**0.0534**	**1.3400e-003**	**0.0547**		**211.6486**	**211.6486**	**0.0104**		**211.8670**

3.5 Trenching - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2137	20.0065	13.2860	0.0172		1.5352	1.5352		1.4140	1.4140		1,759.4422	1,759.4422	0.5171		1,770.3006
Total	**2.2137**	**20.0065**	**13.2860**	**0.0172**		**1.5352**	**1.5352**		**1.4140**	**1.4140**		**1,759.4422**	**1,759.4422**	**0.5171**		**1,770.3006**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0625	0.0807	0.9882	2.4400e-003	0.2012	1.4100e-003	0.2026	0.0534	1.3000e-003	0.0547		204.2283	204.2283	9.6000e-003		204.4300
Total	**0.0625**	**0.0807**	**0.9882**	**2.4400e-003**	**0.2012**	**1.4100e-003**	**0.2026**	**0.0534**	**1.3000e-003**	**0.0547**		**204.2283**	**204.2283**	**9.6000e-003**		**204.4300**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2137	20.0065	13.2860	0.0172		1.5352	1.5352		1.4140	1.4140	0.0000	1,759.4422	1,759.4422	0.5171		1,770.3006
Total	**2.2137**	**20.0065**	**13.2860**	**0.0172**		**1.5352**	**1.5352**		**1.4140**	**1.4140**	**0.0000**	**1,759.4422**	**1,759.4422**	**0.5171**		**1,770.3006**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0625	0.0807	0.9882	2.4400e-003	0.2012	1.4100e-003	0.2026	0.0534	1.3000e-003	0.0547		204.2283	204.2283	9.6000e-003		204.4300
Total	**0.0625**	**0.0807**	**0.9882**	**2.4400e-003**	**0.2012**	**1.4100e-003**	**0.2026**	**0.0534**	**1.3000e-003**	**0.0547**		**204.2283**	**204.2283**	**9.6000e-003**		**204.4300**

3.6 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202
Total	**1.3816**	**13.7058**	**8.2122**	**0.0113**		**0.9398**	**0.9398**		**0.8646**	**0.8646**		**1,178.5549**	**1,178.5549**	**0.3555**		**1,186.0202**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2623	2.5951	3.0664	6.4900e-003	0.1875	0.0411	0.2286	0.0534	0.0378	0.0912		650.5766	650.5766	4.6200e-003		650.6736
Worker	0.2637	0.3406	4.1722	0.0103	0.8495	5.9400e-003	0.8554	0.2253	5.4700e-003	0.2308		862.2972	862.2972	0.0406		863.1487
Total	**0.5259**	**2.9357**	**7.2386**	**0.0168**	**1.0370**	**0.0471**	**1.0840**	**0.2787**	**0.0433**	**0.3220**		**1,512.8738**	**1,512.8738**	**0.0452**		**1,513.8224**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646	0.0000	1,178.5549	1,178.5549	0.3555		1,186.0202
Total	**1.3816**	**13.7058**	**8.2122**	**0.0113**		**0.9398**	**0.9398**		**0.8646**	**0.8646**	**0.0000**	**1,178.5549**	**1,178.5549**	**0.3555**		**1,186.0202**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2623	2.5951	3.0664	6.4900e-003	0.1875	0.0411	0.2286	0.0534	0.0378	0.0912		650.5766	650.5766	4.6200e-003		650.6736
Worker	0.2637	0.3406	4.1722	0.0103	0.8495	5.9400e-003	0.8554	0.2253	5.4700e-003	0.2308		862.2972	862.2972	0.0406		863.1487
Total	**0.5259**	**2.9357**	**7.2386**	**0.0168**	**1.0370**	**0.0471**	**1.0840**	**0.2787**	**0.0433**	**0.3220**		**1,512.8738**	**1,512.8738**	**0.0452**		**1,513.8224**

3.7 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7956	18.3417	12.5623	0.0186		1.1065	1.1065		1.0198	1.0198		1,902.2212	1,902.2212	0.5588		1,913.9557

Paving	0.5822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3778**	**18.3417**	**12.5623**	**0.0186**		**1.1065**	**1.1065**		**1.0198**	**1.0198**		**1,902.2212**	**1,902.2212**	**0.5588**		**1,913.9557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0694	0.0896	1.0980	2.7100e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4400e-003	0.0607		226.9203	226.9203	0.0107		227.1444
Total	**0.0694**	**0.0896**	**1.0980**	**2.7100e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4400e-003**	**0.0607**		**226.9203**	**226.9203**	**0.0107**		**227.1444**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7956	18.3417	12.5623	0.0186		1.1065	1.1065		1.0198	1.0198	0.0000	1,902.2212	1,902.2212	0.5588		1,913.9557
Paving	0.5822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3778**	**18.3417**	**12.5623**	**0.0186**		**1.1065**	**1.1065**		**1.0198**	**1.0198**	**0.0000**	**1,902.2212**	**1,902.2212**	**0.5588**		**1,913.9557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0694	0.0896	1.0980	2.7100e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4400e-003	0.0607		226.9203	226.9203	0.0107		227.1444
Total	**0.0694**	**0.0896**	**1.0980**	**2.7100e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4400e-003**	**0.0607**		**226.9203**	**226.9203**	**0.0107**		**227.1444**

3.8 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6979					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	**7.0664**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**		**281.4481**	**281.4481**	**0.0332**		**282.1449**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0520	0.0672	0.8235	2.0400e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0455		170.1902	170.1902	8.0000e-003		170.3583
Total	**0.0520**	**0.0672**	**0.8235**	**2.0400e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0455**		**170.1902**	**170.1902**	**8.0000e-003**		**170.3583**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6979					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	**7.0664**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**	**0.0000**	**281.4481**	**281.4481**	**0.0332**		**282.1449**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0520	0.0672	0.8235	2.0400e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0455		170.1902	170.1902	8.0000e-003		170.3583
Total	**0.0520**	**0.0672**	**0.8235**	**2.0400e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0455**		**170.1902**	**170.1902**	**8.0000e-003**		**170.3583**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6340	1.4607	7.0536	0.0191	1.3631	0.0208	1.3838	0.3637	0.0191	0.3828		1,602.3568	1,602.3568	0.0608		1,603.6335
Unmitigated	0.6340	1.4607	7.0536	0.0191	1.3631	0.0208	1.3838	0.3637	0.0191	0.3828		1,602.3568	1,602.3568	0.0608		1,603.6335

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	213.60	87.26	9.40	502,521	502,521
Parking Lot	0.00	0.00	0.00		
Total	213.60	87.26	9.40	502,521	502,521

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.510449	0.057012	0.191854	0.151889	0.041459	0.005887	0.015572	0.014818	0.001440	0.002145	0.004716	0.000509	0.002251

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.6400e-003	0.0331	0.0278	2.0000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003		39.7254	39.7254	7.6000e-004	7.3000e-004	39.9672
NaturalGas Unmitigated	3.6400e-003	0.0331	0.0278	2.0000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003		39.7254	39.7254	7.6000e-004	7.3000e-004	39.9672

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	337.666	3.6400e-003	0.0331	0.0278	2.0000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003		39.7254	39.7254	7.6000e-004	7.3000e-004	39.9672
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.6400e-003**	**0.0331**	**0.0278**	**2.0000e-004**		**2.5200e-003**	**2.5200e-003**		**2.5200e-003**	**2.5200e-003**		**39.7254**	**39.7254**	**7.6000e-004**	**7.3000e-004**	**39.9672**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	0.337666	3.6400e-003	0.0331	0.0278	2.0000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003		39.7254	39.7254	7.6000e-004	7.3000e-004	39.9672
Total		**3.6400e-003**	**0.0331**	**0.0278**	**2.0000e-004**		**2.5200e-003**	**2.5200e-003**		**2.5200e-003**	**2.5200e-003**		**39.7254**	**39.7254**	**7.6000e-004**	**7.3000e-004**	**39.9672**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.6795	1.8000e-004	0.0189	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0397	0.0397	1.1000e-004		0.0421
Unmitigated	3.6795	1.8000e-004	0.0189	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0397	0.0397	1.1000e-004		0.0421

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	3.5952					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8200e-003	1.8000e-004	0.0189	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0397	0.0397	1.1000e-004		0.0421
Total	**3.6795**	**1.8000e-004**	**0.0189**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**		**0.0397**	**0.0397**	**1.1000e-004**		**0.0421**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5952					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8200e-003	1.8000e-004	0.0189	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0397	0.0397	1.1000e-004		0.0421
Total	**3.6795**	**1.8000e-004**	**0.0189**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**		**0.0397**	**0.0397**	**1.1000e-004**		**0.0421**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 1 - Recycling Center

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	7.77	1000sqft	0.18	7,771.00	0
Parking Lot	173.80	1000sqft	4.00	173,804.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2017
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - Modified to reflect construction of 7,771 GSF structure

Off-road Equipment -

Off-road Equipment - Modified to reflect construction of 7,771 SF building

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Demolition -

Architectural Coating - modified based on SCAQMD rule 1113 (VOC content of 50 g/L and composite factor of 141 based on requirement of 100g/L for parking lot paints and 250 g/L for non-residential exterior)

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	6,493.00	14,314.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	19,478.00	11,657.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	141.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	230.00	100.00
tblConstructionPhase	NumDays	20.00	5.00
tblLandUse	LandUseSquareFeet	7,770.00	7,771.00
tblLandUse	LandUseSquareFeet	173,800.00	173,804.00
tblLandUse	LotAcreage	3.99	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	OperationalYear	2014	2017

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Year	lb/day										lb/day					
2015	5.3333	56.9878	43.6580	0.0421	18.2675	3.0897	21.3572	9.9840	2.8426	12.8266	0.0000	4,324.1508	4,324.1508	1.2379	0.0000	4,350.1472
2016	7.1211	20.0952	15.8273	0.0275	1.0370	1.5366	2.0243	0.2787	1.4153	1.4686	0.0000	2,640.3175	2,640.3175	0.5695	0.0000	2,652.2761
Total	**12.4545**	**77.0830**	**59.4854**	**0.0697**	**19.3044**	**4.6264**	**23.3815**	**10.2627**	**4.2578**	**14.2952**	**0.0000**	**6,964.4682**	**6,964.4682**	**1.8074**	**0.0000**	**7,002.4234**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	5.3333	56.9878	43.6580	0.0421	7.2470	3.0897	10.3368	3.9263	2.8426	6.7689	0.0000	4,324.1508	4,324.1508	1.2379	0.0000	4,350.1472
2016	7.1211	20.0952	15.8273	0.0275	1.0370	1.5366	2.0243	0.2787	1.4153	1.4686	0.0000	2,640.3175	2,640.3175	0.5695	0.0000	2,652.2761
Total	**12.4545**	**77.0830**	**59.4854**	**0.0697**	**8.2840**	**4.6264**	**12.3611**	**4.2050**	**4.2578**	**8.2375**	**0.0000**	**6,964.4682**	**6,964.4682**	**1.8074**	**0.0000**	**7,002.4234**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**57.09**	**0.00**	**47.13**	**59.03**	**0.00**	**42.38**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.6795	1.8000e-004	0.0189	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0397	0.0397	1.1000e-004		0.0421

Energy	3.6400e-003	0.0331	0.0278	2.0000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003		39.7254	39.7254	7.6000e-004	7.3000e-004	39.9672
Mobile	0.6711	1.5419	7.0182	0.0182	1.3631	0.0209	1.3839	0.3637	0.0192	0.3829		1,532.4443	1,532.4443	0.0608		1,533.7218
Total	**4.3542**	**1.5752**	**7.0649**	**0.0184**	**1.3631**	**0.0235**	**1.3865**	**0.3637**	**0.0218**	**0.3855**		**1,572.2095**	**1,572.2095**	**0.0617**	**7.3000e-004**	**1,573.7310**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.6795	1.8000e-004	0.0189	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0397	0.0397	1.1000e-004		0.0421
Energy	3.6400e-003	0.0331	0.0278	2.0000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003		39.7254	39.7254	7.6000e-004	7.3000e-004	39.9672
Mobile	0.6711	1.5419	7.0182	0.0182	1.3631	0.0209	1.3839	0.3637	0.0192	0.3829		1,532.4443	1,532.4443	0.0608		1,533.7218
Total	**4.3542**	**1.5752**	**7.0649**	**0.0184**	**1.3631**	**0.0235**	**1.3865**	**0.3637**	**0.0218**	**0.3855**		**1,572.2095**	**1,572.2095**	**0.0617**	**7.3000e-004**	**1,573.7310**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2015	12/7/2015	5	5	
2	Site Preparation	Site Preparation	12/8/2015	12/14/2015	5	5	
3	Grading	Grading	12/15/2015	12/24/2015	5	8	
4	Trenching	Trenching	12/25/2015	1/7/2016	5	10	

5	Building Construction	Building Construction	1/8/2016	5/26/2016	5	100	
6	Paving	Paving	5/27/2016	6/21/2016	5	18	
7	Architectural Coating	Architectural Coating	6/22/2016	7/15/2016	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 11,657; Non-Residential Outdoor: 14,314 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Plate Compactors	2	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Trenchers	2	8.00	80	0.50
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42

Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	2.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	76.00	30.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0730	0.0000	0.0730	0.0111	0.0000	0.0111			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858		4,127.1934	4,127.1934	1.1188		4,150.6886
Total	**4.5083**	**48.3629**	**36.0738**	**0.0399**	**0.0730**	**2.4508**	**2.5239**	**0.0111**	**2.2858**	**2.2968**		**4,127.1934**	**4,127.1934**	**1.1188**		**4,150.6886**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.6400e-003	0.1292	0.0969	2.9000e-004	6.9700e-003	2.0800e-003	9.0500e-003	1.9100e-003	1.9100e-003	3.8200e-003		29.9119	29.9119	2.4000e-004		29.9169
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0603	0.0818	0.8552	1.9300e-003	0.1677	1.2200e-003	0.1689	0.0445	1.1200e-003	0.0456		167.0455	167.0455	8.6700e-003		167.2274
Total	**0.0690**	**0.2109**	**0.9521**	**2.2200e-003**	**0.1746**	**3.3000e-003**	**0.1779**	**0.0464**	**3.0300e-003**	**0.0494**		**196.9574**	**196.9574**	**8.9100e-003**		**197.1443**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0285	0.0000	0.0285	4.3100e-003	0.0000	4.3100e-003			0.0000			0.0000
Off-Road	4.5083	48.3629	36.0738	0.0399		2.4508	2.4508		2.2858	2.2858	0.0000	4,127.1934	4,127.1934	1.1188		4,150.6886
Total	**4.5083**	**48.3629**	**36.0738**	**0.0399**	**0.0285**	**2.4508**	**2.4793**	**4.3100e-003**	**2.2858**	**2.2901**	**0.0000**	**4,127.1934**	**4,127.1934**	**1.1188**		**4,150.6886**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.6400e-003	0.1292	0.0969	2.9000e-004	6.9700e-003	2.0800e-003	9.0500e-003	1.9100e-003	1.9100e-003	3.8200e-003		29.9119	29.9119	2.4000e-004		29.9169
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0603	0.0818	0.8552	1.9300e-003	0.1677	1.2200e-003	0.1689	0.0445	1.1200e-003	0.0456		167.0455	167.0455	8.6700e-003		167.2274
Total	**0.0690**	**0.2109**	**0.9521**	**2.2200e-003**	**0.1746**	**3.3000e-003**	**0.1779**	**0.0464**	**3.0300e-003**	**0.0494**		**196.9574**	**196.9574**	**8.9100e-003**		**197.1443**

3.3 Site Preparation - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	5.2609	56.8897	42.6318	0.0391		3.0883	3.0883		2.8412	2.8412		4,111.7444	4,111.7444	1.2275		4,137.5225
Total	**5.2609**	**56.8897**	**42.6318**	**0.0391**	**18.0663**	**3.0883**	**21.1545**	**9.9307**	**2.8412**	**12.7719**		**4,111.7444**	**4,111.7444**	**1.2275**		**4,137.5225**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0981	1.0263	2.3100e-003	0.2012	1.4600e-003	0.2027	0.0534	1.3400e-003	0.0547		200.4546	200.4546	0.0104		200.6729
Total	**0.0724**	**0.0981**	**1.0263**	**2.3100e-003**	**0.2012**	**1.4600e-003**	**0.2027**	**0.0534**	**1.3400e-003**	**0.0547**		**200.4546**	**200.4546**	**0.0104**		**200.6729**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	5.2609	56.8897	42.6318	0.0391		3.0883	3.0883		2.8412	2.8412	0.0000	4,111.7444	4,111.7444	1.2275		4,137.5224
Total	**5.2609**	**56.8897**	**42.6318**	**0.0391**	**7.0458**	**3.0883**	**10.1341**	**3.8730**	**2.8412**	**6.7142**	**0.0000**	**4,111.7444**	**4,111.7444**	**1.2275**		**4,137.5224**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0981	1.0263	2.3100e-003	0.2012	1.4600e-003	0.2027	0.0534	1.3400e-003	0.0547		200.4546	200.4546	0.0104		200.6729
Total	**0.0724**	**0.0981**	**1.0263**	**2.3100e-003**	**0.2012**	**1.4600e-003**	**0.2027**	**0.0534**	**1.3400e-003**	**0.0547**		**200.4546**	**200.4546**	**0.0104**		**200.6729**

3.4 Grading - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.8327	40.4161	26.6731	0.0298		2.3284	2.3284		2.1421	2.1421		3,129.0158	3,129.0158	0.9341		3,148.6328
Total	**3.8327**	**40.4161**	**26.6731**	**0.0298**	**6.5523**	**2.3284**	**8.8807**	**3.3675**	**2.1421**	**5.5096**		**3,129.0158**	**3,129.0158**	**0.9341**		**3,148.6328**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0603	0.0818	0.8552	1.9300e-003	0.1677	1.2200e-003	0.1689	0.0445	1.1200e-003	0.0456		167.0455	167.0455	8.6700e-003		167.2274
Total	**0.0603**	**0.0818**	**0.8552**	**1.9300e-003**	**0.1677**	**1.2200e-003**	**0.1689**	**0.0445**	**1.1200e-003**	**0.0456**		**167.0455**	**167.0455**	**8.6700e-003**		**167.2274**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	3.8327	40.4161	26.6731	0.0298		2.3284	2.3284		2.1421	2.1421	0.0000	3,129.0158	3,129.0158	0.9341		3,148.6328
Total	**3.8327**	**40.4161**	**26.6731**	**0.0298**	**2.5554**	**2.3284**	**4.8838**	**1.3133**	**2.1421**	**3.4554**	**0.0000**	**3,129.0158**	**3,129.0158**	**0.9341**		**3,148.6328**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0603	0.0818	0.8552	1.9300e-003	0.1677	1.2200e-003	0.1689	0.0445	1.1200e-003	0.0456		167.0455	167.0455	8.6700e-003		167.2274
Total	**0.0603**	**0.0818**	**0.8552**	**1.9300e-003**	**0.1677**	**1.2200e-003**	**0.1689**	**0.0445**	**1.1200e-003**	**0.0456**		**167.0455**	**167.0455**	**8.6700e-003**		**167.2274**

3.5 Trenching - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3142	20.9277	13.3619	0.0172		1.6178	1.6178		1.4900	1.4900		1,778.6234	1,778.6234	0.5176		1,789.4923
Total	**2.3142**	**20.9277**	**13.3619**	**0.0172**		**1.6178**	**1.6178**		**1.4900**	**1.4900**		**1,778.6234**	**1,778.6234**	**0.5176**		**1,789.4923**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0981	1.0263	2.3100e-003	0.2012	1.4600e-003	0.2027	0.0534	1.3400e-003	0.0547		200.4546	200.4546	0.0104		200.6729
Total	**0.0724**	**0.0981**	**1.0263**	**2.3100e-003**	**0.2012**	**1.4600e-003**	**0.2027**	**0.0534**	**1.3400e-003**	**0.0547**		**200.4546**	**200.4546**	**0.0104**		**200.6729**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3142	20.9277	13.3619	0.0172		1.6178	1.6178		1.4900	1.4900	0.0000	1,778.6234	1,778.6234	0.5176		1,789.4923
Total	**2.3142**	**20.9277**	**13.3619**	**0.0172**		**1.6178**	**1.6178**		**1.4900**	**1.4900**	**0.0000**	**1,778.6234**	**1,778.6234**	**0.5176**		**1,789.4923**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0724	0.0981	1.0263	2.3100e-003	0.2012	1.4600e-003	0.2027	0.0534	1.3400e-003	0.0547		200.4546	200.4546	0.0104		200.6729
Total	**0.0724**	**0.0981**	**1.0263**	**2.3100e-003**	**0.2012**	**1.4600e-003**	**0.2027**	**0.0534**	**1.3400e-003**	**0.0547**		**200.4546**	**200.4546**	**0.0104**		**200.6729**

3.5 Trenching - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2137	20.0065	13.2860	0.0172		1.5352	1.5352		1.4140	1.4140		1,759.4422	1,759.4422	0.5171		1,770.3006
Total	**2.2137**	**20.0065**	**13.2860**	**0.0172**		**1.5352**	**1.5352**		**1.4140**	**1.4140**		**1,759.4422**	**1,759.4422**	**0.5171**		**1,770.3006**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0657	0.0887	0.9308	2.3100e-003	0.2012	1.4100e-003	0.2026	0.0534	1.3000e-003	0.0547		193.4222	193.4222	9.6000e-003		193.6239
Total	**0.0657**	**0.0887**	**0.9308**	**2.3100e-003**	**0.2012**	**1.4100e-003**	**0.2026**	**0.0534**	**1.3000e-003**	**0.0547**		**193.4222**	**193.4222**	**9.6000e-003**		**193.6239**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2137	20.0065	13.2860	0.0172		1.5352	1.5352		1.4140	1.4140	0.0000	1,759.4422	1,759.4422	0.5171		1,770.3006
Total	**2.2137**	**20.0065**	**13.2860**	**0.0172**		**1.5352**	**1.5352**		**1.4140**	**1.4140**	**0.0000**	**1,759.4422**	**1,759.4422**	**0.5171**		**1,770.3006**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0657	0.0887	0.9308	2.3100e-003	0.2012	1.4100e-003	0.2026	0.0534	1.3000e-003	0.0547		193.4222	193.4222	9.6000e-003		193.6239
Total	**0.0657**	**0.0887**	**0.9308**	**2.3100e-003**	**0.2012**	**1.4100e-003**	**0.2026**	**0.0534**	**1.3000e-003**	**0.0547**		**193.4222**	**193.4222**	**9.6000e-003**		**193.6239**

3.6 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646		1,178.5549	1,178.5549	0.3555		1,186.0202
Total	**1.3816**	**13.7058**	**8.2122**	**0.0113**		**0.9398**	**0.9398**		**0.8646**	**0.8646**		**1,178.5549**	**1,178.5549**	**0.3555**		**1,186.0202**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2908	2.6562	3.6852	6.4400e-003	0.1875	0.0416	0.2290	0.0534	0.0382	0.0916		645.0911	645.0911	4.7600e-003		645.1910
Worker	0.2776	0.3746	3.9300	9.7600e-003	0.8495	5.9400e-003	0.8554	0.2253	5.4700e-003	0.2308		816.6715	816.6715	0.0406		817.5231
Total	**0.5683**	**3.0308**	**7.6152**	**0.0162**	**1.0370**	**0.0475**	**1.0845**	**0.2787**	**0.0437**	**0.3224**		**1,461.7626**	**1,461.7626**	**0.0453**		**1,462.7141**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3816	13.7058	8.2122	0.0113		0.9398	0.9398		0.8646	0.8646	0.0000	1,178.5549	1,178.5549	0.3555		1,186.0202
Total	**1.3816**	**13.7058**	**8.2122**	**0.0113**		**0.9398**	**0.9398**		**0.8646**	**0.8646**	**0.0000**	**1,178.5549**	**1,178.5549**	**0.3555**		**1,186.0202**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2908	2.6562	3.6852	6.4400e-003	0.1875	0.0416	0.2290	0.0534	0.0382	0.0916		645.0911	645.0911	4.7600e-003		645.1910
Worker	0.2776	0.3746	3.9300	9.7600e-003	0.8495	5.9400e-003	0.8554	0.2253	5.4700e-003	0.2308		816.6715	816.6715	0.0406		817.5231
Total	**0.5683**	**3.0308**	**7.6152**	**0.0162**	**1.0370**	**0.0475**	**1.0845**	**0.2787**	**0.0437**	**0.3224**		**1,461.7626**	**1,461.7626**	**0.0453**		**1,462.7141**

3.7 Paving - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7956	18.3417	12.5623	0.0186		1.1065	1.1065		1.0198	1.0198		1,902.2212	1,902.2212	0.5588		1,913.9557

Paving	0.5822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3778**	**18.3417**	**12.5623**	**0.0186**		**1.1065**	**1.1065**		**1.0198**	**1.0198**		**1,902.2212**	**1,902.2212**	**0.5588**		**1,913.9557**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0730	0.0986	1.0342	2.5700e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4400e-003	0.0607		214.9136	214.9136	0.0107		215.1377
Total	**0.0730**	**0.0986**	**1.0342**	**2.5700e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4400e-003**	**0.0607**		**214.9136**	**214.9136**	**0.0107**		**215.1377**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7956	18.3417	12.5623	0.0186		1.1065	1.1065		1.0198	1.0198	0.0000	1,902.2212	1,902.2212	0.5588		1,913.9557
Paving	0.5822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**2.3778**	**18.3417**	**12.5623**	**0.0186**		**1.1065**	**1.1065**		**1.0198**	**1.0198**	**0.0000**	**1,902.2212**	**1,902.2212**	**0.5588**		**1,913.9557**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0730	0.0986	1.0342	2.5700e-003	0.2236	1.5600e-003	0.2251	0.0593	1.4400e-003	0.0607		214.9136	214.9136	0.0107		215.1377
Total	**0.0730**	**0.0986**	**1.0342**	**2.5700e-003**	**0.2236**	**1.5600e-003**	**0.2251**	**0.0593**	**1.4400e-003**	**0.0607**		**214.9136**	**214.9136**	**0.0107**		**215.1377**

3.8 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6979					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	**7.0664**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**		**281.4481**	**281.4481**	**0.0332**		**282.1449**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0548	0.0739	0.7757	1.9300e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0455		161.1852	161.1852	8.0000e-003		161.3532
Total	**0.0548**	**0.0739**	**0.7757**	**1.9300e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0455**		**161.1852**	**161.1852**	**8.0000e-003**		**161.3532**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.6979					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	**7.0664**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**	**0.0000**	**281.4481**	**281.4481**	**0.0332**		**282.1449**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0548	0.0739	0.7757	1.9300e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0455		161.1852	161.1852	8.0000e-003		161.3532
Total	**0.0548**	**0.0739**	**0.7757**	**1.9300e-003**	**0.1677**	**1.1700e-003**	**0.1688**	**0.0445**	**1.0800e-003**	**0.0455**		**161.1852**	**161.1852**	**8.0000e-003**		**161.3532**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6711	1.5419	7.0182	0.0182	1.3631	0.0209	1.3839	0.3637	0.0192	0.3829		1,532.4443	1,532.4443	0.0608		1,533.7218
Unmitigated	0.6711	1.5419	7.0182	0.0182	1.3631	0.0209	1.3839	0.3637	0.0192	0.3829		1,532.4443	1,532.4443	0.0608		1,533.7218

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	213.60	87.26	9.40	502,521	502,521
Parking Lot	0.00	0.00	0.00		
Total	213.60	87.26	9.40	502,521	502,521

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.510449	0.057012	0.191854	0.151889	0.041459	0.005887	0.015572	0.014818	0.001440	0.002145	0.004716	0.000509	0.002251

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	3.6400e-003	0.0331	0.0278	2.0000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003		39.7254	39.7254	7.6000e-004	7.3000e-004	39.9672
NaturalGas Unmitigated	3.6400e-003	0.0331	0.0278	2.0000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003		39.7254	39.7254	7.6000e-004	7.3000e-004	39.9672

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	337.666	3.6400e-003	0.0331	0.0278	2.0000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003		39.7254	39.7254	7.6000e-004	7.3000e-004	39.9672
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.6400e-003**	**0.0331**	**0.0278**	**2.0000e-004**		**2.5200e-003**	**2.5200e-003**		**2.5200e-003**	**2.5200e-003**		**39.7254**	**39.7254**	**7.6000e-004**	**7.3000e-004**	**39.9672**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	0.337666	3.6400e-003	0.0331	0.0278	2.0000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003		39.7254	39.7254	7.6000e-004	7.3000e-004	39.9672
Total		**3.6400e-003**	**0.0331**	**0.0278**	**2.0000e-004**		**2.5200e-003**	**2.5200e-003**		**2.5200e-003**	**2.5200e-003**		**39.7254**	**39.7254**	**7.6000e-004**	**7.3000e-004**	**39.9672**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.6795	1.8000e-004	0.0189	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0397	0.0397	1.1000e-004		0.0421
Unmitigated	3.6795	1.8000e-004	0.0189	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0397	0.0397	1.1000e-004		0.0421

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	3.5952					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8200e-003	1.8000e-004	0.0189	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0397	0.0397	1.1000e-004		0.0421
Total	**3.6795**	**1.8000e-004**	**0.0189**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**		**0.0397**	**0.0397**	**1.1000e-004**		**0.0421**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0825					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5952					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8200e-003	1.8000e-004	0.0189	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0397	0.0397	1.1000e-004		0.0421
Total	**3.6795**	**1.8000e-004**	**0.0189**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**		**0.0397**	**0.0397**	**1.1000e-004**		**0.0421**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Unscheduled Phase - Skill Center Renovation

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	24.59	1000sqft	0.56	24,592.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Off-road Equipment - modified for renovation

Off-road Equipment -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets

tblProjectCharacteristics	OperationalYear	2014	2023

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1814	0.5831	0.6655	1.1400e-003	6.7800e-003	0.0295	0.0362	1.8200e-003	0.0280	0.0298	0.0000	95.9171	95.9171	0.0188	0.0000	96.3123
Total	**0.1814**	**0.5831**	**0.6655**	**1.1400e-003**	**6.7800e-003**	**0.0295**	**0.0362**	**1.8200e-003**	**0.0280**	**0.0298**	**0.0000**	**95.9171**	**95.9171**	**0.0188**	**0.0000**	**96.3123**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1814	0.5831	0.6655	1.1400e-003	6.7800e-003	0.0295	0.0362	1.8200e-003	0.0280	0.0298	0.0000	95.9170	95.9170	0.0188	0.0000	96.3122
Total	**0.1814**	**0.5831**	**0.6655**	**1.1400e-003**	**6.7800e-003**	**0.0295**	**0.0362**	**1.8200e-003**	**0.0280**	**0.0298**	**0.0000**	**95.9170**	**95.9170**	**0.0188**	**0.0000**	**96.3122**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1174	0.0000	3.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.1000e-004	6.1000e-004	0.0000	0.0000	6.4000e-004
Energy	2.1000e-003	0.0191	0.0161	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	119.6891	119.6891	4.9400e-003	1.3200e-003	120.2028
Mobile	0.2141	0.4301	2.2601	8.3600e-003	0.6011	8.4600e-003	0.6096	0.1607	7.8100e-003	0.1685	0.0000	558.2414	558.2414	0.0187	0.0000	558.6344
Waste						0.0000	0.0000		0.0000	0.0000	6.4896	0.0000	6.4896	0.3835	0.0000	14.5437
Water						0.0000	0.0000		0.0000	0.0000	0.3826	10.4919	10.8746	0.0398	1.0300e-003	12.0287
Total	**0.3336**	**0.4492**	**2.2765**	**8.4700e-003**	**0.6011**	**9.9100e-003**	**0.6110**	**0.1607**	**9.2600e-003**	**0.1699**	**6.8723**	**688.4231**	**695.2953**	**0.4470**	**2.3500e-003**	**705.4101**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1174	0.0000	3.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.1000e-004	6.1000e-004	0.0000	0.0000	6.4000e-004
Energy	2.1000e-003	0.0191	0.0161	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	119.6891	119.6891	4.9400e-003	1.3200e-003	120.2028
Mobile	0.2141	0.4301	2.2601	8.3600e-003	0.6011	8.4600e-003	0.6096	0.1607	7.8100e-003	0.1685	0.0000	558.2414	558.2414	0.0187	0.0000	558.6344
Waste						0.0000	0.0000		0.0000	0.0000	6.4896	0.0000	6.4896	0.3835	0.0000	14.5437
Water						0.0000	0.0000		0.0000	0.0000	0.3826	10.4919	10.8746	0.0398	1.0300e-003	12.0280

Total	**0.3336**	**0.4492**	**2.2765**	**8.4700e-003**	**0.6011**	**9.9100e-003**	**0.6110**	**0.1607**	**9.2600e-003**	**0.1699**	**6.8723**	**688.4231**	**695.2953**	**0.4470**	**2.3500e-003**	**705.4095**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2022	5/20/2022	5	100	
2	Architectural Coating	Architectural Coating	5/21/2022	5/27/2022	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 36,888; Non-Residential Outdoor: 12,296 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Welders	1	8.00	46	0.45
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

3.2 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0645	0.5686	0.6252	1.0200e-003		0.0290	0.0290		0.0276	0.0276	0.0000	87.4709	87.4709	0.0186	0.0000	87.8610
Total	**0.0645**	**0.5686**	**0.6252**	**1.0200e-003**		**0.0290**	**0.0290**		**0.0276**	**0.0276**	**0.0000**	**87.4709**	**87.4709**	**0.0186**	**0.0000**	**87.8610**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3100e-003	9.3800e-003	0.0184	4.0000e-005	1.2300e-003	1.8000e-004	1.4100e-003	3.5000e-004	1.6000e-004	5.1000e-004	0.0000	3.6476	3.6476	3.0000e-005	0.0000	3.6482

Worker	1.1300e-003	1.6100e-003	0.0171	7.0000e-005	5.4900e-003	4.0000e-005	5.5300e-003	1.4600e-003	4.0000e-005	1.4900e-003	0.0000	4.1190	4.1190	1.8000e-004	0.0000	4.1227
Total	**2.4400e-003**	**0.0110**	**0.0356**	**1.1000e-004**	**6.7200e-003**	**2.2000e-004**	**6.9400e-003**	**1.8100e-003**	**2.0000e-004**	**2.0000e-003**	**0.0000**	**7.7667**	**7.7667**	**2.1000e-004**	**0.0000**	**7.7709**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0645	0.5686	0.6252	1.0200e-003		0.0290	0.0290		0.0276	0.0276	0.0000	87.4708	87.4708	0.0186	0.0000	87.8609
Total	**0.0645**	**0.5686**	**0.6252**	**1.0200e-003**		**0.0290**	**0.0290**		**0.0276**	**0.0276**	**0.0000**	**87.4708**	**87.4708**	**0.0186**	**0.0000**	**87.8609**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.3100e-003	9.3800e-003	0.0184	4.0000e-005	1.2300e-003	1.8000e-004	1.4100e-003	3.5000e-004	1.6000e-004	5.1000e-004	0.0000	3.6476	3.6476	3.0000e-005	0.0000	3.6482
Worker	1.1300e-003	1.6100e-003	0.0171	7.0000e-005	5.4900e-003	4.0000e-005	5.5300e-003	1.4600e-003	4.0000e-005	1.4900e-003	0.0000	4.1190	4.1190	1.8000e-004	0.0000	4.1227
Total	**2.4400e-003**	**0.0110**	**0.0356**	**1.1000e-004**	**6.7200e-003**	**2.2000e-004**	**6.9400e-003**	**1.8100e-003**	**2.0000e-004**	**2.0000e-003**	**0.0000**	**7.7667**	**7.7667**	**2.1000e-004**	**0.0000**	**7.7709**

3.3 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6392
Total	**0.1145**	**3.5200e-003**	**4.5300e-003**	**1.0000e-005**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6392**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	2.0000e-005	1.7000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0412	0.0412	0.0000	0.0000	0.0412
Total	**1.0000e-005**	**2.0000e-005**	**1.7000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0412**	**0.0412**	**0.0000**	**0.0000**	**0.0412**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Archit. Coating	0.1140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.1000e-004	3.5200e-003	4.5300e-003	1.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6392
Total	**0.1145**	**3.5200e-003**	**4.5300e-003**	**1.0000e-005**		**2.0000e-004**	**2.0000e-004**		**2.0000e-004**	**2.0000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6392**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	2.0000e-005	1.7000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0412	0.0412	0.0000	0.0000	0.0412
Total	**1.0000e-005**	**2.0000e-005**	**1.7000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**6.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0412**	**0.0412**	**0.0000**	**0.0000**	**0.0412**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2141	0.4301	2.2601	8.3600e-003	0.6011	8.4600e-003	0.6096	0.1607	7.8100e-003	0.1685	0.0000	558.2414	558.2414	0.0187	0.0000	558.6344
Unmitigated	0.2141	0.4301	2.2601	8.3600e-003	0.6011	8.4600e-003	0.6096	0.1607	7.8100e-003	0.1685	0.0000	558.2414	558.2414	0.0187	0.0000	558.6344

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	676.03	276.17	29.76	1,590,475	1,590,475
Total	676.03	276.17	29.76	1,590,475	1,590,475

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.503435	0.056741	0.195441	0.152143	0.042270	0.006027	0.016168	0.016833	0.001466	0.002186	0.004340	0.000491	0.002459

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	98.8757	98.8757	4.5500e-003	9.4000e-004	99.2627
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	98.8757	98.8757	4.5500e-003	9.4000e-004	99.2627
NaturalGas Mitigated	2.1000e-003	0.0191	0.0161	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.8134	20.8134	4.0000e-004	3.8000e-004	20.9401

NaturalGas Unmitigated	2.1000e-003	0.0191	0.0161	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.8134	20.8134	4.0000e-004	3.8000e-004	20.9401

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	390029	2.1000e-003	0.0191	0.0161	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.8134	20.8134	4.0000e-004	3.8000e-004	20.9401
Total		**2.1000e-003**	**0.0191**	**0.0161**	**1.1000e-004**		**1.4500e-003**	**1.4500e-003**		**1.4500e-003**	**1.4500e-003**	**0.0000**	**20.8134**	**20.8134**	**4.0000e-004**	**3.8000e-004**	**20.9401**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	390029	2.1000e-003	0.0191	0.0161	1.1000e-004		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	20.8134	20.8134	4.0000e-004	3.8000e-004	20.9401
Total		**2.1000e-003**	**0.0191**	**0.0161**	**1.1000e-004**		**1.4500e-003**	**1.4500e-003**		**1.4500e-003**	**1.4500e-003**	**0.0000**	**20.8134**	**20.8134**	**4.0000e-004**	**3.8000e-004**	**20.9401**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	345518	98.8757	4.5500e-003	9.4000e-004	99.2627
Total		**98.8757**	**4.5500e-003**	**9.4000e-004**	**99.2627**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	345518	98.8757	4.5500e-003	9.4000e-004	99.2627
Total		**98.8757**	**4.5500e-003**	**9.4000e-004**	**99.2627**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Mitigated	0.1174	0.0000	3.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.1000e-004	6.1000e-004	0.0000	0.0000	6.4000e-004
Unmitigated	0.1174	0.0000	3.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.1000e-004	6.1000e-004	0.0000	0.0000	6.4000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0285					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0889					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.1000e-004	6.1000e-004	0.0000	0.0000	6.4000e-004
Total	**0.1174**	**0.0000**	**3.1000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**6.1000e-004**	**6.1000e-004**	**0.0000**	**0.0000**	**6.4000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0285					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0889					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.1000e-004	6.1000e-004	0.0000	0.0000	6.4000e-004

Total	**0.1174**	**0.0000**	**3.1000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**6.1000e-004**	**6.1000e-004**	**0.0000**	**0.0000**	**6.4000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10.8746	0.0398	1.0300e-003	12.0280
Unmitigated	10.8746	0.0398	1.0300e-003	12.0287

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	1.20612 / 1.88649	10.8746	0.0398	1.0300e-003	12.0287
Total		**10.8746**	**0.0398**	**1.0300e-003**	**12.0287**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	1.20612 / 1.88649	10.8746	0.0398	1.0300e-003	12.0280
Total		**10.8746**	**0.0398**	**1.0300e-003**	**12.0280**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	6.4896	0.3835	0.0000	14.5437
Unmitigated	6.4896	0.3835	0.0000	14.5437

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr			
Junior College (2Yr)	31.97	6.4896	0.3835	0.0000	14.5437
Total		**6.4896**	**0.3835**	**0.0000**	**14.5437**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	31.97	6.4896	0.3835	0.0000	14.5437
Total		**6.4896**	**0.3835**	**0.0000**	**14.5437**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Unscheduled Phase - Skill Center Renovation

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	24.59	1000sqft	0.56	24,592.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Off-road Equipment - modified for renovation

Off-road Equipment -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets

tblProjectCharacteristics	OperationalYear	2014	2023

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	45.8027	11.5804	13.1752	0.0227	0.1368	0.5852	0.7219	0.0368	0.5552	0.5920	0.0000	2,103.5906	2,103.5906	0.4140	0.0000	2,112.2843
Total	**45.8027**	**11.5804**	**13.1752**	**0.0227**	**0.1368**	**0.5852**	**0.7219**	**0.0368**	**0.5552**	**0.5920**	**0.0000**	**2,103.5906**	**2,103.5906**	**0.4140**	**0.0000**	**2,112.2843**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	45.8027	11.5804	13.1752	0.0227	0.1368	0.5852	0.7219	0.0368	0.5552	0.5920	0.0000	2,103.5906	2,103.5906	0.4140	0.0000	2,112.2843
Total	**45.8027**	**11.5804**	**13.1752**	**0.0227**	**0.1368**	**0.5852**	**0.7219**	**0.0368**	**0.5552**	**0.5920**	**0.0000**	**2,103.5906**	**2,103.5906**	**0.4140**	**0.0000**	**2,112.2843**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6433	2.0000e-005	2.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3800e-003	5.3800e-003	1.0000e-005		5.6800e-003
Energy	0.0115	0.1048	0.0880	6.3000e-004		7.9600e-003	7.9600e-003		7.9600e-003	7.9600e-003		125.7145	125.7145	2.4100e-003	2.3000e-003	126.4795
Mobile	1.5199	2.8148	15.9404	0.0610	4.3163	0.0597	4.3760	1.1519	0.0551	1.2070		4,484.2860	4,484.2860	0.1457		4,487.3447
Total	**2.1747**	**2.9196**	**16.0309**	**0.0617**	**4.3163**	**0.0676**	**4.3839**	**1.1519**	**0.0631**	**1.2150**		**4,610.0059**	**4,610.0059**	**0.1481**	**2.3000e-003**	**4,613.8300**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6433	2.0000e-005	2.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3800e-003	5.3800e-003	1.0000e-005		5.6800e-003
Energy	0.0115	0.1048	0.0880	6.3000e-004		7.9600e-003	7.9600e-003		7.9600e-003	7.9600e-003		125.7145	125.7145	2.4100e-003	2.3000e-003	126.4795
Mobile	1.5199	2.8148	15.9404	0.0610	4.3163	0.0597	4.3760	1.1519	0.0551	1.2070		4,484.2860	4,484.2860	0.1457		4,487.3447
Total	**2.1747**	**2.9196**	**16.0309**	**0.0617**	**4.3163**	**0.0676**	**4.3839**	**1.1519**	**0.0631**	**1.2150**		**4,610.0059**	**4,610.0059**	**0.1481**	**2.3000e-003**	**4,613.8300**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2022	5/20/2022	5	100	
2	Architectural Coating	Architectural Coating	5/21/2022	5/27/2022	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 36,888; Non-Residential Outdoor: 12,296 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Welders	1	8.00	46	0.45
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

3.2 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2890	11.3716	12.5040	0.0205		0.5808	0.5808		0.5512	0.5512		1,928.4037	1,928.4037	0.4095		1,937.0033
Total	**1.2890**	**11.3716**	**12.5040**	**0.0205**		**0.5808**	**0.5808**		**0.5512**	**0.5512**		**1,928.4037**	**1,928.4037**	**0.4095**		**1,937.0033**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0249	0.1803	0.3115	8.6000e-004	0.0250	3.5300e-003	0.0285	7.1200e-003	3.2500e-003	0.0104		80.7049	80.7049	6.0000e-004		80.7175
Worker	0.0231	0.0285	0.3597	1.3600e-003	0.1118	7.8000e-004	0.1126	0.0296	7.2000e-004	0.0304		94.4821	94.4821	3.8800e-003		94.5635
Total	**0.0480**	**0.2088**	**0.6712**	**2.2200e-003**	**0.1368**	**4.3100e-003**	**0.1411**	**0.0368**	**3.9700e-003**	**0.0407**		**175.1870**	**175.1870**	**4.4800e-003**		**175.2810**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2890	11.3716	12.5040	0.0205		0.5808	0.5808		0.5512	0.5512	0.0000	1,928.4037	1,928.4037	0.4095		1,937.0033
Total	**1.2890**	**11.3716**	**12.5040**	**0.0205**		**0.5808**	**0.5808**		**0.5512**	**0.5512**	**0.0000**	**1,928.4037**	**1,928.4037**	**0.4095**		**1,937.0033**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0249	0.1803	0.3115	8.6000e-004	0.0250	3.5300e-003	0.0285	7.1200e-003	3.2500e-003	0.0104		80.7049	80.7049	6.0000e-004		80.7175
Worker	0.0231	0.0285	0.3597	1.3600e-003	0.1118	7.8000e-004	0.1126	0.0296	7.2000e-004	0.0304		94.4821	94.4821	3.8800e-003		94.5635
Total	**0.0480**	**0.2088**	**0.6712**	**2.2200e-003**	**0.1368**	**4.3100e-003**	**0.1411**	**0.0368**	**3.9700e-003**	**0.0407**		**175.1870**	**175.1870**	**4.4800e-003**		**175.2810**

3.3 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	45.5936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329
Total	**45.7981**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.8329**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.6300e-003	5.7000e-003	0.0720	2.7000e-004	0.0224	1.6000e-004	0.0225	5.9300e-003	1.4000e-004	6.0700e-003		18.8964	18.8964	7.8000e-004		18.9127
Total	**4.6300e-003**	**5.7000e-003**	**0.0720**	**2.7000e-004**	**0.0224**	**1.6000e-004**	**0.0225**	**5.9300e-003**	**1.4000e-004**	**6.0700e-003**		**18.8964**	**18.8964**	**7.8000e-004**		**18.9127**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	45.5936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.8329
Total	**45.7981**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.8329**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.6300e-003	5.7000e-003	0.0720	2.7000e-004	0.0224	1.6000e-004	0.0225	5.9300e-003	1.4000e-004	6.0700e-003		18.8964	18.8964	7.8000e-004		18.9127
Total	**4.6300e-003**	**5.7000e-003**	**0.0720**	**2.7000e-004**	**0.0224**	**1.6000e-004**	**0.0225**	**5.9300e-003**	**1.4000e-004**	**6.0700e-003**		**18.8964**	**18.8964**	**7.8000e-004**		**18.9127**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5199	2.8148	15.9404	0.0610	4.3163	0.0597	4.3760	1.1519	0.0551	1.2070		4,484.2860	4,484.2860	0.1457		4,487.3447
Unmitigated	1.5199	2.8148	15.9404	0.0610	4.3163	0.0597	4.3760	1.1519	0.0551	1.2070		4,484.2860	4,484.2860	0.1457		4,487.3447

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Junior College (2Yr)	676.03	276.17	29.76	1,590,475	1,590,475
Total	676.03	276.17	29.76	1,590,475	1,590,475

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.503435	0.056741	0.195441	0.152143	0.042270	0.006027	0.016168	0.016833	0.001466	0.002186	0.004340	0.000491	0.002459

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0115	0.1048	0.0880	6.3000e-004		7.9600e-003	7.9600e-003		7.9600e-003	7.9600e-003		125.7145	125.7145	2.4100e-003	2.3000e-003	126.4795
NaturalGas Unmitigated	0.0115	0.1048	0.0880	6.3000e-004		7.9600e-003	7.9600e-003		7.9600e-003	7.9600e-003		125.7145	125.7145	2.4100e-003	2.3000e-003	126.4795

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1068.57	0.0115	0.1048	0.0880	6.3000e-004		7.9600e-003	7.9600e-003		7.9600e-003	7.9600e-003		125.7145	125.7145	2.4100e-003	2.3000e-003	126.4795
Total		**0.0115**	**0.1048**	**0.0880**	**6.3000e-004**		**7.9600e-003**	**7.9600e-003**		**7.9600e-003**	**7.9600e-003**		**125.7145**	**125.7145**	**2.4100e-003**	**2.3000e-003**	**126.4795**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1.06857	0.0115	0.1048	0.0880	6.3000e-004		7.9600e-003	7.9600e-003		7.9600e-003	7.9600e-003		125.7145	125.7145	2.4100e-003	2.3000e-003	126.4795
Total		**0.0115**	**0.1048**	**0.0880**	**6.3000e-004**		**7.9600e-003**	**7.9600e-003**		**7.9600e-003**	**7.9600e-003**		**125.7145**	**125.7145**	**2.4100e-003**	**2.3000e-003**	**126.4795**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6433	2.0000e-005	2.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3800e-003	5.3800e-003	1.0000e-005		5.6800e-003

Unmitigated	0.6433	2.0000e-005	2.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3800e-003	5.3800e-003	1.0000e-005		5.6800e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3800e-003	5.3800e-003	1.0000e-005		5.6800e-003
Total	**0.6433**	**2.0000e-005**	**2.5100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.3800e-003**	**5.3800e-003**	**1.0000e-005**		**5.6800e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3800e-003	5.3800e-003	1.0000e-005		5.6800e-003
Total	**0.6433**	**2.0000e-005**	**2.5100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.3800e-003**	**5.3800e-003**	**1.0000e-005**		**5.6800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Unscheduled Phase - Skill Center Renovation

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	24.59	1000sqft	0.56	24,592.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase -

Off-road Equipment - modified for renovation

Off-road Equipment -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets

tblProjectCharacteristics	OperationalYear	2014	2023

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	45.8030	11.5871	13.2273	0.0226	0.1368	0.5852	0.7220	0.0368	0.5552	0.5920	0.0000	2,097.8751	2,097.8751	0.4140	0.0000	2,106.5692
Total	**45.8030**	**11.5871**	**13.2273**	**0.0226**	**0.1368**	**0.5852**	**0.7220**	**0.0368**	**0.5552**	**0.5920**	**0.0000**	**2,097.8751**	**2,097.8751**	**0.4140**	**0.0000**	**2,106.5692**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	45.8030	11.5871	13.2273	0.0226	0.1368	0.5852	0.7220	0.0368	0.5552	0.5920	0.0000	2,097.8751	2,097.8751	0.4140	0.0000	2,106.5692
Total	**45.8030**	**11.5871**	**13.2273**	**0.0226**	**0.1368**	**0.5852**	**0.7220**	**0.0368**	**0.5552**	**0.5920**	**0.0000**	**2,097.8751**	**2,097.8751**	**0.4140**	**0.0000**	**2,106.5692**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6433	2.0000e-005	2.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3800e-003	5.3800e-003	1.0000e-005		5.6800e-003
Energy	0.0115	0.1048	0.0880	6.3000e-004		7.9600e-003	7.9600e-003		7.9600e-003	7.9600e-003		125.7145	125.7145	2.4100e-003	2.3000e-003	126.4795
Mobile	1.6020	2.9757	15.8699	0.0583	4.3163	0.0598	4.3761	1.1519	0.0553	1.2072		4,292.9900	4,292.9900	0.1458		4,296.0514
Total	**2.2569**	**3.0804**	**15.9604**	**0.0589**	**4.3163**	**0.0678**	**4.3841**	**1.1519**	**0.0632**	**1.2151**		**4,418.7098**	**4,418.7098**	**0.1482**	**2.3000e-003**	**4,422.5367**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6433	2.0000e-005	2.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3800e-003	5.3800e-003	1.0000e-005		5.6800e-003
Energy	0.0115	0.1048	0.0880	6.3000e-004		7.9600e-003	7.9600e-003		7.9600e-003	7.9600e-003		125.7145	125.7145	2.4100e-003	2.3000e-003	126.4795
Mobile	1.6020	2.9757	15.8699	0.0583	4.3163	0.0598	4.3761	1.1519	0.0553	1.2072		4,292.9900	4,292.9900	0.1458		4,296.0514
Total	**2.2569**	**3.0804**	**15.9604**	**0.0589**	**4.3163**	**0.0678**	**4.3841**	**1.1519**	**0.0632**	**1.2151**		**4,418.7098**	**4,418.7098**	**0.1482**	**2.3000e-003**	**4,422.5367**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	1/1/2022	5/20/2022	5	100	
2	Architectural Coating	Architectural Coating	5/21/2022	5/27/2022	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 36,888; Non-Residential Outdoor: 12,296 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Welders	1	8.00	46	0.45
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Clean Paved Roads

3.2 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2890	11.3716	12.5040	0.0205		0.5808	0.5808		0.5512	0.5512		1,928.4037	1,928.4037	0.4095		1,937.0033
Total	**1.2890**	**11.3716**	**12.5040**	**0.0205**		**0.5808**	**0.5808**		**0.5512**	**0.5512**		**1,928.4037**	**1,928.4037**	**0.4095**		**1,937.0033**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0270	0.1841	0.3889	8.6000e-004	0.0250	3.5600e-003	0.0286	7.1200e-003	3.2800e-003	0.0104		80.0190	80.0190	6.2000e-004		80.0321
Worker	0.0243	0.0313	0.3344	1.2900e-003	0.1118	7.8000e-004	0.1126	0.0296	7.2000e-004	0.0304		89.4525	89.4525	3.8800e-003		89.5338
Total	**0.0513**	**0.2154**	**0.7233**	**2.1500e-003**	**0.1368**	**4.3400e-003**	**0.1411**	**0.0368**	**4.0000e-003**	**0.0408**		**169.4715**	**169.4715**	**4.5000e-003**		**169.5659**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2890	11.3716	12.5040	0.0205		0.5808	0.5808		0.5512	0.5512	0.0000	1,928.4037	1,928.4037	0.4095		1,937.0033
Total	**1.2890**	**11.3716**	**12.5040**	**0.0205**		**0.5808**	**0.5808**		**0.5512**	**0.5512**	**0.0000**	**1,928.4037**	**1,928.4037**	**0.4095**		**1,937.0033**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0270	0.1841	0.3889	8.6000e-004	0.0250	3.5600e-003	0.0286	7.1200e-003	3.2800e-003	0.0104		80.0190	80.0190	6.2000e-004		80.0321
Worker	0.0243	0.0313	0.3344	1.2900e-003	0.1118	7.8000e-004	0.1126	0.0296	7.2000e-004	0.0304		89.4525	89.4525	3.8800e-003		89.5338
Total	**0.0513**	**0.2154**	**0.7233**	**2.1500e-003**	**0.1368**	**4.3400e-003**	**0.1411**	**0.0368**	**4.0000e-003**	**0.0408**		**169.4715**	**169.4715**	**4.5000e-003**		**169.5659**

3.3 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	45.5936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329
Total	**45.7981**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.8329**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.8500e-003	6.2600e-003	0.0669	2.6000e-004	0.0224	1.6000e-004	0.0225	5.9300e-003	1.4000e-004	6.0700e-003		17.8905	17.8905	7.8000e-004		17.9068
Total	**4.8500e-003**	**6.2600e-003**	**0.0669**	**2.6000e-004**	**0.0224**	**1.6000e-004**	**0.0225**	**5.9300e-003**	**1.4000e-004**	**6.0700e-003**		**17.8905**	**17.8905**	**7.8000e-004**		**17.9068**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	45.5936					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.8329
Total	**45.7981**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.8329**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	4.8500e-003	6.2600e-003	0.0669	2.6000e-004	0.0224	1.6000e-004	0.0225	5.9300e-003	1.4000e-004	6.0700e-003		17.8905	17.8905	7.8000e-004		17.9068
Total	**4.8500e-003**	**6.2600e-003**	**0.0669**	**2.6000e-004**	**0.0224**	**1.6000e-004**	**0.0225**	**5.9300e-003**	**1.4000e-004**	**6.0700e-003**		**17.8905**	**17.8905**	**7.8000e-004**		**17.9068**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.6020	2.9757	15.8699	0.0583	4.3163	0.0598	4.3761	1.1519	0.0553	1.2072		4,292.9900	4,292.9900	0.1458		4,296.0514
Unmitigated	1.6020	2.9757	15.8699	0.0583	4.3163	0.0598	4.3761	1.1519	0.0553	1.2072		4,292.9900	4,292.9900	0.1458		4,296.0514

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Junior College (2Yr)	676.03	276.17	29.76	1,590,475	1,590,475
Total	676.03	276.17	29.76	1,590,475	1,590,475

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.503435	0.056741	0.195441	0.152143	0.042270	0.006027	0.016168	0.016833	0.001466	0.002186	0.004340	0.000491	0.002459

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0115	0.1048	0.0880	6.3000e-004		7.9600e-003	7.9600e-003		7.9600e-003	7.9600e-003		125.7145	125.7145	2.4100e-003	2.3000e-003	126.4795
NaturalGas Unmitigated	0.0115	0.1048	0.0880	6.3000e-004		7.9600e-003	7.9600e-003		7.9600e-003	7.9600e-003		125.7145	125.7145	2.4100e-003	2.3000e-003	126.4795

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1068.57	0.0115	0.1048	0.0880	6.3000e-004		7.9600e-003	7.9600e-003		7.9600e-003	7.9600e-003		125.7145	125.7145	2.4100e-003	2.3000e-003	126.4795
Total		**0.0115**	**0.1048**	**0.0880**	**6.3000e-004**		**7.9600e-003**	**7.9600e-003**		**7.9600e-003**	**7.9600e-003**		**125.7145**	**125.7145**	**2.4100e-003**	**2.3000e-003**	**126.4795**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1.06857	0.0115	0.1048	0.0880	6.3000e-004		7.9600e-003	7.9600e-003		7.9600e-003	7.9600e-003		125.7145	125.7145	2.4100e-003	2.3000e-003	126.4795
Total		**0.0115**	**0.1048**	**0.0880**	**6.3000e-004**		**7.9600e-003**	**7.9600e-003**		**7.9600e-003**	**7.9600e-003**		**125.7145**	**125.7145**	**2.4100e-003**	**2.3000e-003**	**126.4795**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6433	2.0000e-005	2.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3800e-003	5.3800e-003	1.0000e-005		5.6800e-003

Unmitigated	0.6433	2.0000e-005	2.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3800e-003	5.3800e-003	1.0000e-005		5.6800e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3800e-003	5.3800e-003	1.0000e-005		5.6800e-003
Total	**0.6433**	**2.0000e-005**	**2.5100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.3800e-003**	**5.3800e-003**	**1.0000e-005**		**5.6800e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1561					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.3800e-003	5.3800e-003	1.0000e-005		5.6800e-003
Total	**0.6433**	**2.0000e-005**	**2.5100e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**5.3800e-003**	**5.3800e-003**	**1.0000e-005**		**5.6800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 2 - Student Housing Project

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	303.69	Dwelling Unit	3.50	303,688.00	869

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified; Student Housing Project is multiple stories - according to HPI will be 3.5 acres

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified to account for 3.5 acre footprint

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Trips and VMT -

Demolition - Assuming denisty of pavement is 150 lbs/ft3, and pavement is 1 foot deep

Architectural Coating - scaqmd rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblGrading	AcresOfGrading	7.50	0.00
tblLandUse	LandUseSquareFeet	303,690.00	303,688.00
tblLandUse	LotAcreage	18.98	3.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	OperationalYear	2014	2020

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.5273	3.5407	3.7944	7.4400e-003	0.4433	0.1976	0.6409	0.1108	0.1880	0.2987	0.0000	603.0099	603.0099	0.0738	0.0000	604.5587
2018	1.2265	0.2797	0.3147	6.2000e-004	0.0225	0.0159	0.0384	6.0100e-003	0.0151	0.0211	0.0000	49.7666	49.7666	7.6900e-003	0.0000	49.9280
Total	**1.7538**	**3.8204**	**4.1091**	**8.0600e-003**	**0.4658**	**0.2135**	**0.6793**	**0.1168**	**0.2030**	**0.3198**	**0.0000**	**652.7765**	**652.7765**	**0.0815**	**0.0000**	**654.4868**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					

2017	0.5273	3.5407	3.7944	7.4400e-003	0.3527	0.1976	0.5503	0.0913	0.1880	0.2792	0.0000	603.0096	603.0096	0.0738	0.0000	604.5584
2018	1.2265	0.2797	0.3147	6.2000e-004	0.0225	0.0159	0.0384	6.0100e-003	0.0151	0.0211	0.0000	49.7666	49.7666	7.6900e-003	0.0000	49.9280
Total	**1.7538**	**3.8204**	**4.1091**	**8.0600e-003**	**0.3752**	**0.2135**	**0.5887**	**0.0973**	**0.2030**	**0.3003**	**0.0000**	**652.7761**	**652.7761**	**0.0815**	**0.0000**	**654.4864**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**19.45**	**0.00**	**13.34**	**16.71**	**0.00**	**6.10**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.3063	0.0616	5.0498	3.2000e-003		0.3072	0.3072		0.3071	0.3071	32.2481	67.1048	99.3529	0.1012	2.1900e-003	102.1559
Energy	0.0180	0.1542	0.0656	9.8000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	491.4725	491.4725	0.0178	6.2500e-003	493.7837
Mobile	0.9504	2.3716	10.8754	0.0357	2.5867	0.0366	2.6233	0.6912	0.0338	0.7250	0.0000	2,468.1116	2,468.1116	0.0898	0.0000	2,469.9967
Waste						0.0000	0.0000		0.0000	0.0000	28.3578	0.0000	28.3578	1.6759	0.0000	63.5517
Water						0.0000	0.0000		0.0000	0.0000	6.2774	113.3878	119.6652	0.6500	0.0163	138.3681
Total	**3.2747**	**2.5874**	**15.9908**	**0.0399**	**2.5867**	**0.3562**	**2.9429**	**0.6912**	**0.3534**	**1.0446**	**66.8833**	**3,140.0767**	**3,206.9601**	**2.5346**	**0.0247**	**3,267.8562**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Area	2.3063	0.0616	5.0498	3.2000e-003		0.3072	0.3072		0.3071	0.3071	32.2481	67.1048	99.3529	0.1012	2.1900e-003	102.1559
Energy	0.0180	0.1542	0.0656	9.8000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	491.4725	491.4725	0.0178	6.2500e-003	493.7837
Mobile	0.9504	2.3716	10.8754	0.0357	2.5867	0.0366	2.6233	0.6912	0.0338	0.7250	0.0000	2,468.1116	2,468.1116	0.0898	0.0000	2,469.9967
Waste						0.0000	0.0000		0.0000	0.0000	28.3578	0.0000	28.3578	1.6759	0.0000	63.5517
Water						0.0000	0.0000		0.0000	0.0000	6.2774	113.3878	119.6652	0.6498	0.0163	138.3581
Total	**3.2747**	**2.5874**	**15.9908**	**0.0399**	**2.5867**	**0.3562**	**2.9429**	**0.6912**	**0.3534**	**1.0446**	**66.8833**	**3,140.0767**	**3,206.9601**	**2.5345**	**0.0247**	**3,267.8462**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.08**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/3/2017	5	5	
3	Grading	Grading	2/4/2017	2/15/2017	5	8	
4	Trenching	Trenching	2/16/2017	3/1/2017	5	10	
5	Building Construction	Building Construction	3/2/2017	1/17/2018	5	230	
6	Paving	Paving	1/18/2018	2/12/2018	5	18	
7	Architectural Coating	Architectural Coating	2/13/2018	3/8/2018	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 614,968; Residential Outdoor: 204,989; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	255	0.40
Site Preparation	Scrapers	1	8.00	361	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Excavators	0	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Trenching	Trenchers	2	8.00	80	0.50
Trenching	Plate Compactors	2	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	1,131.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	219.00	32.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	44.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1224	0.0000	0.1224	0.0185	0.0000	0.0185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0272	0.2655	0.2084	2.4000e-004		0.0160	0.0160		0.0150	0.0150	0.0000	22.2587	22.2587	5.6500e-003	0.0000	22.3772
Total	**0.0272**	**0.2655**	**0.2084**	**2.4000e-004**	**0.1224**	**0.0160**	**0.1384**	**0.0185**	**0.0150**	**0.0335**	**0.0000**	**22.2587**	**22.2587**	**5.6500e-003**	**0.0000**	**22.3772**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0102	0.1504	0.1209	4.2000e-004	9.7000e-003	2.1500e-003	0.0119	2.6600e-003	1.9700e-003	4.6300e-003	0.0000	37.3667	37.3667	2.7000e-004	0.0000	37.3723
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	6.0000e-004	6.2400e-003	2.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2366	1.2366	6.0000e-005	0.0000	1.2378
Total	**0.0106**	**0.1510**	**0.1271**	**4.4000e-004**	**0.0111**	**2.1600e-003**	**0.0133**	**3.0400e-003**	**1.9800e-003**	**5.0200e-003**	**0.0000**	**38.6033**	**38.6033**	**3.3000e-004**	**0.0000**	**38.6101**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0477	0.0000	0.0477	7.2200e-003	0.0000	7.2200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0272	0.2655	0.2084	2.4000e-004		0.0160	0.0160		0.0150	0.0150	0.0000	22.2586	22.2586	5.6500e-003	0.0000	22.3772
Total	**0.0272**	**0.2655**	**0.2084**	**2.4000e-004**	**0.0477**	**0.0160**	**0.0638**	**7.2200e-003**	**0.0150**	**0.0222**	**0.0000**	**22.2586**	**22.2586**	**5.6500e-003**	**0.0000**	**22.3772**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0102	0.1504	0.1209	4.2000e-004	9.7000e-003	2.1500e-003	0.0119	2.6600e-003	1.9700e-003	4.6300e-003	0.0000	37.3667	37.3667	2.7000e-004	0.0000	37.3723

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	6.0000e-004	6.2400e-003	2.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2366	1.2366	6.0000e-005	0.0000	1.2378
Total	**0.0106**	**0.1510**	**0.1271**	**4.4000e-004**	**0.0111**	**2.1600e-003**	**0.0133**	**3.0400e-003**	**1.9800e-003**	**5.0200e-003**	**0.0000**	**38.6033**	**38.6033**	**3.3000e-004**	**0.0000**	**38.6101**

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3300e-003	0.0717	0.0429	6.0000e-005		3.5000e-003	3.5000e-003		3.2200e-003	3.2200e-003	0.0000	5.5452	5.5452	1.7000e-003	0.0000	5.5809
Total	**6.3300e-003**	**0.0717**	**0.0429**	**6.0000e-005**	**0.0000**	**3.5000e-003**	**3.5000e-003**	**0.0000**	**3.2200e-003**	**3.2200e-003**	**0.0000**	**5.5452**	**5.5452**	**1.7000e-003**	**0.0000**	**5.5809**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	9.0000e-005	9.6000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1902	0.1902	1.0000e-005	0.0000	0.1904
Total	**6.0000e-005**	**9.0000e-005**	**9.6000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1902**	**0.1902**	**1.0000e-005**	**0.0000**	**0.1904**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3300e-003	0.0717	0.0429	6.0000e-005		3.5000e-003	3.5000e-003		3.2200e-003	3.2200e-003	0.0000	5.5452	5.5452	1.7000e-003	0.0000	5.5809
Total	**6.3300e-003**	**0.0717**	**0.0429**	**6.0000e-005**	**0.0000**	**3.5000e-003**	**3.5000e-003**	**0.0000**	**3.2200e-003**	**3.2200e-003**	**0.0000**	**5.5452**	**5.5452**	**1.7000e-003**	**0.0000**	**5.5809**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	9.0000e-005	9.6000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1902	0.1902	1.0000e-005	0.0000	0.1904
Total	**6.0000e-005**	**9.0000e-005**	**9.6000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1902**	**0.1902**	**1.0000e-005**	**0.0000**	**0.1904**

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.1126	0.0759	8.0000e-005		6.2200e-003	6.2200e-003		5.7200e-003	5.7200e-003	0.0000	7.6370	7.6370	2.3400e-003	0.0000	7.6861
Total	**0.0108**	**0.1126**	**0.0759**	**8.0000e-005**	**0.0262**	**6.2200e-003**	**0.0324**	**0.0135**	**5.7200e-003**	**0.0192**	**0.0000**	**7.6370**	**7.6370**	**2.3400e-003**	**0.0000**	**7.6861**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.8000e-004	1.9200e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3805	0.3805	2.0000e-005	0.0000	0.3809
Total	**1.2000e-004**	**1.8000e-004**	**1.9200e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3805**	**0.3805**	**2.0000e-005**	**0.0000**	**0.3809**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0102	0.0000	0.0102	5.2500e-003	0.0000	5.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.1126	0.0759	8.0000e-005		6.2200e-003	6.2200e-003		5.7200e-003	5.7200e-003	0.0000	7.6369	7.6369	2.3400e-003	0.0000	7.6861

Total	**0.0108**	**0.1126**	**0.0759**	**8.0000e-005**	**0.0102**	**6.2200e-003**	**0.0164**	**5.2500e-003**	**5.7200e-003**	**0.0110**	**0.0000**	**7.6369**	**7.6369**	**2.3400e-003**	**0.0000**	**7.6861**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.8000e-004	1.9200e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3805	0.3805	2.0000e-005	0.0000	0.3809
Total	**1.2000e-004**	**1.8000e-004**	**1.9200e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3805**	**0.3805**	**2.0000e-005**	**0.0000**	**0.3809**

3.5 Trenching - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3800e-003	0.0650	0.0422	6.0000e-005		4.9500e-003	4.9500e-003		4.5600e-003	4.5600e-003	0.0000	4.9794	4.9794	1.4600e-003	0.0000	5.0101
Total	**7.3800e-003**	**0.0650**	**0.0422**	**6.0000e-005**		**4.9500e-003**	**4.9500e-003**		**4.5600e-003**	**4.5600e-003**	**0.0000**	**4.9794**	**4.9794**	**1.4600e-003**	**0.0000**	**5.0101**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	3.0000e-004	3.1200e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6183	0.6183	3.0000e-005	0.0000	0.6189
Total	**2.0000e-004**	**3.0000e-004**	**3.1200e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.6183**	**0.6183**	**3.0000e-005**	**0.0000**	**0.6189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3800e-003	0.0650	0.0422	6.0000e-005		4.9500e-003	4.9500e-003		4.5600e-003	4.5600e-003	0.0000	4.9794	4.9794	1.4600e-003	0.0000	5.0101
Total	**7.3800e-003**	**0.0650**	**0.0422**	**6.0000e-005**		**4.9500e-003**	**4.9500e-003**		**4.5600e-003**	**4.5600e-003**	**0.0000**	**4.9794**	**4.9794**	**1.4600e-003**	**0.0000**	**5.0101**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	3.0000e-004	3.1200e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6183	0.6183	3.0000e-005	0.0000	0.6189
Total	**2.0000e-004**	**3.0000e-004**	**3.1200e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.6183**	**0.6183**	**3.0000e-005**	**0.0000**	**0.6189**

3.6 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3610	2.4802	1.7630	2.7000e-003		0.1586	0.1586		0.1519	0.1519	0.0000	229.8183	229.8183	0.0511	0.0000	230.8909
Total	**0.3610**	**2.4802**	**1.7630**	**2.7000e-003**		**0.1586**	**0.1586**		**0.1519**	**0.1519**	**0.0000**	**229.8183**	**229.8183**	**0.0511**	**0.0000**	**230.8909**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0299	0.2850	0.3875	7.5000e-004	0.0214	4.2700e-003	0.0256	6.1000e-003	3.9200e-003	0.0100	0.0000	66.9547	66.9547	4.8000e-004	0.0000	66.9647
Worker	0.0738	0.1092	1.1414	3.1000e-003	0.2609	1.8100e-003	0.2627	0.0693	1.6800e-003	0.0710	0.0000	226.0244	226.0244	0.0107	0.0000	226.2485
Total	**0.1036**	**0.3942**	**1.5289**	**3.8500e-003**	**0.2822**	**6.0800e-003**	**0.2883**	**0.0754**	**5.6000e-003**	**0.0810**	**0.0000**	**292.9791**	**292.9791**	**0.0112**	**0.0000**	**293.2132**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3610	2.4801	1.7630	2.7000e-003		0.1586	0.1586		0.1519	0.1519	0.0000	229.8180	229.8180	0.0511	0.0000	230.8906
Total	**0.3610**	**2.4801**	**1.7630**	**2.7000e-003**		**0.1586**	**0.1586**		**0.1519**	**0.1519**	**0.0000**	**229.8180**	**229.8180**	**0.0511**	**0.0000**	**230.8906**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0299	0.2850	0.3875	7.5000e-004	0.0214	4.2700e-003	0.0256	6.1000e-003	3.9200e-003	0.0100	0.0000	66.9547	66.9547	4.8000e-004	0.0000	66.9647
Worker	0.0738	0.1092	1.1414	3.1000e-003	0.2609	1.8100e-003	0.2627	0.0693	1.6800e-003	0.0710	0.0000	226.0244	226.0244	0.0107	0.0000	226.2485
Total	**0.1036**	**0.3942**	**1.5289**	**3.8500e-003**	**0.2822**	**6.0800e-003**	**0.2883**	**0.0754**	**5.6000e-003**	**0.0810**	**0.0000**	**292.9791**	**292.9791**	**0.0112**	**0.0000**	**293.2132**

3.6 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0189	0.1336	0.1018	1.6000e-004		8.1300e-003	8.1300e-003		7.7900e-003	7.7900e-003	0.0000	13.6639	13.6639	2.9400e-003	0.0000	13.7256
Total	**0.0189**	**0.1336**	**0.1018**	**1.6000e-004**		**8.1300e-003**	**8.1300e-003**		**7.7900e-003**	**7.7900e-003**	**0.0000**	**13.6639**	**13.6639**	**2.9400e-003**	**0.0000**	**13.7256**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6700e-003	0.0157	0.0222	4.0000e-005	1.2800e-003	2.4000e-004	1.5200e-003	3.7000e-004	2.2000e-004	5.9000e-004	0.0000	3.9430	3.9430	3.0000e-005	0.0000	3.9436
Worker	4.0200e-003	5.9700e-003	0.0625	1.9000e-004	0.0156	1.1000e-004	0.0157	4.1500e-003	1.0000e-004	4.2500e-003	0.0000	13.0329	13.0329	6.0000e-004	0.0000	13.0455
Total	**5.6900e-003**	**0.0216**	**0.0846**	**2.3000e-004**	**0.0169**	**3.5000e-004**	**0.0173**	**4.5200e-003**	**3.2000e-004**	**4.8400e-003**	**0.0000**	**16.9759**	**16.9759**	**6.3000e-004**	**0.0000**	**16.9890**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0189	0.1336	0.1018	1.6000e-004		8.1300e-003	8.1300e-003		7.7900e-003	7.7900e-003	0.0000	13.6639	13.6639	2.9400e-003	0.0000	13.7255

Total	**0.0189**	**0.1336**	**0.1018**	**1.6000e-004**		**8.1300e-003**	**8.1300e-003**		**7.7900e-003**	**7.7900e-003**	**0.0000**	**13.6639**	**13.6639**	**2.9400e-003**	**0.0000**	**13.7255**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6700e-003	0.0157	0.0222	4.0000e-005	1.2800e-003	2.4000e-004	1.5200e-003	3.7000e-004	2.2000e-004	5.9000e-004	0.0000	3.9430	3.9430	3.0000e-005	0.0000	3.9436
Worker	4.0200e-003	5.9700e-003	0.0625	1.9000e-004	0.0156	1.1000e-004	0.0157	4.1500e-003	1.0000e-004	4.2500e-003	0.0000	13.0329	13.0329	6.0000e-004	0.0000	13.0455
Total	**5.6900e-003**	**0.0216**	**0.0846**	**2.3000e-004**	**0.0169**	**3.5000e-004**	**0.0173**	**4.5200e-003**	**3.2000e-004**	**4.8400e-003**	**0.0000**	**16.9759**	**16.9759**	**6.3000e-004**	**0.0000**	**16.9890**

3.7 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0102	0.1042	0.0890	1.3000e-004		6.0300e-003	6.0300e-003		5.5600e-003	5.5600e-003	0.0000	12.1321	12.1321	3.6900e-003	0.0000	12.2096
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0102**	**0.1042**	**0.0890**	**1.3000e-004**		**6.0300e-003**	**6.0300e-003**		**5.5600e-003**	**5.5600e-003**	**0.0000**	**12.1321**	**12.1321**	**3.6900e-003**	**0.0000**	**12.2096**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	4.9000e-004	5.1300e-003	2.0000e-005	1.2800e-003	1.0000e-005	1.2900e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.0712	1.0712	5.0000e-005	0.0000	1.0722
Total	**3.3000e-004**	**4.9000e-004**	**5.1300e-003**	**2.0000e-005**	**1.2800e-003**	**1.0000e-005**	**1.2900e-003**	**3.4000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**1.0712**	**1.0712**	**5.0000e-005**	**0.0000**	**1.0722**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0102	0.1042	0.0890	1.3000e-004		6.0300e-003	6.0300e-003		5.5600e-003	5.5600e-003	0.0000	12.1321	12.1321	3.6900e-003	0.0000	12.2096
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0102**	**0.1042**	**0.0890**	**1.3000e-004**		**6.0300e-003**	**6.0300e-003**		**5.5600e-003**	**5.5600e-003**	**0.0000**	**12.1321**	**12.1321**	**3.6900e-003**	**0.0000**	**12.2096**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	4.9000e-004	5.1300e-003	2.0000e-005	1.2800e-003	1.0000e-005	1.2900e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.0712	1.0712	5.0000e-005	0.0000	1.0722
Total	**3.3000e-004**	**4.9000e-004**	**5.1300e-003**	**2.0000e-005**	**1.2800e-003**	**1.0000e-005**	**1.2900e-003**	**3.4000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**1.0712**	**1.0712**	**5.0000e-005**	**0.0000**	**1.0722**

3.8 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1877					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6900e-003	0.0181	0.0167	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	2.2979	2.2979	2.2000e-004	0.0000	2.3025
Total	**1.1904**	**0.0181**	**0.0167**	**3.0000e-005**		**1.3500e-003**	**1.3500e-003**		**1.3500e-003**	**1.3500e-003**	**0.0000**	**2.2979**	**2.2979**	**2.2000e-004**	**0.0000**	**2.3025**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	1.6600e-003	0.0174	5.0000e-005	4.3500e-003	3.0000e-005	4.3800e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.6256	3.6256	1.7000e-004	0.0000	3.6291
Total	**1.1200e-003**	**1.6600e-003**	**0.0174**	**5.0000e-005**	**4.3500e-003**	**3.0000e-005**	**4.3800e-003**	**1.1500e-003**	**3.0000e-005**	**1.1800e-003**	**0.0000**	**3.6256**	**3.6256**	**1.7000e-004**	**0.0000**	**3.6291**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1877					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6900e-003	0.0181	0.0167	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	2.2979	2.2979	2.2000e-004	0.0000	2.3025
Total	**1.1904**	**0.0181**	**0.0167**	**3.0000e-005**		**1.3500e-003**	**1.3500e-003**		**1.3500e-003**	**1.3500e-003**	**0.0000**	**2.2979**	**2.2979**	**2.2000e-004**	**0.0000**	**2.3025**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1200e-003	1.6600e-003	0.0174	5.0000e-005	4.3500e-003	3.0000e-005	4.3800e-003	1.1500e-003	3.0000e-005	1.1800e-003	0.0000	3.6256	3.6256	1.7000e-004	0.0000	3.6291
Total	**1.1200e-003**	**1.6600e-003**	**0.0174**	**5.0000e-005**	**4.3500e-003**	**3.0000e-005**	**4.3800e-003**	**1.1500e-003**	**3.0000e-005**	**1.1800e-003**	**0.0000**	**3.6256**	**3.6256**	**1.7000e-004**	**0.0000**	**3.6291**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9504	2.3716	10.8754	0.0357	2.5867	0.0366	2.6233	0.6912	0.0338	0.7250	0.0000	2,468.1116	2,468.1116	0.0898	0.0000	2,469.9967
Unmitigated	0.9504	2.3716	10.8754	0.0357	2.5867	0.0366	2.6233	0.6912	0.0338	0.7250	0.0000	2,468.1116	2,468.1116	0.0898	0.0000	2,469.9967

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,001.32	2,174.42	1843.40	6,846,217	6,846,217
Total	2,001.32	2,174.42	1,843.40	6,846,217	6,846,217

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.508857	0.056420	0.193204	0.150829	0.041936	0.005921	0.015893	0.015805	0.001454	0.002159	0.004747	0.000498	0.002277

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	312.9408	312.9408	0.0144	2.9800e-003	314.1655
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	312.9408	312.9408	0.0144	2.9800e-003	314.1655
NaturalGas Mitigated	0.0180	0.1542	0.0656	9.8000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	178.5317	178.5317	3.4200e-003	3.2700e-003	179.6183
NaturalGas Unmitigated	0.0180	0.1542	0.0656	9.8000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	178.5317	178.5317	3.4200e-003	3.2700e-003	179.6183

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	3.34556e+006	0.0180	0.1542	0.0656	9.8000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	178.5317	178.5317	3.4200e-003	3.2700e-003	179.6183
Total		**0.0180**	**0.1542**	**0.0656**	**9.8000e-004**		**0.0125**	**0.0125**		**0.0125**	**0.0125**	**0.0000**	**178.5317**	**178.5317**	**3.4200e-003**	**3.2700e-003**	**179.6183**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					

Apartments Low Rise	3.34556e+006	0.0180	0.1542	0.0656	9.8000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	178.5317	178.5317	3.4200e-003	3.2700e-003	179.6183
Total		**0.0180**	**0.1542**	**0.0656**	**9.8000e-004**		**0.0125**	**0.0125**		**0.0125**	**0.0125**	**0.0000**	**178.5317**	**178.5317**	**3.4200e-003**	**3.2700e-003**	**179.6183**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.09356e+006	312.9408	0.0144	2.9800e-003	314.1655
Total		**312.9408**	**0.0144**	**2.9800e-003**	**314.1655**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.09356e+006	312.9408	0.0144	2.9800e-003	314.1655
Total		**312.9408**	**0.0144**	**2.9800e-003**	**314.1655**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.3063	0.0616	5.0498	3.2000e-003		0.3072	0.3072		0.3071	0.3071	32.2481	67.1048	99.3529	0.1012	2.1900e-003	102.1559
Unmitigated	2.3063	0.0616	5.0498	3.2000e-003		0.3072	0.3072		0.3071	0.3071	32.2481	67.1048	99.3529	0.1012	2.1900e-003	102.1559

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1188					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0974					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.9944	0.0252	1.9075	3.0300e-003		0.2899	0.2899		0.2899	0.2899	32.2481	61.9890	94.2371	0.0962	2.1900e-003	96.9353
Landscaping	0.0957	0.0363	3.1423	1.7000e-004		0.0173	0.0173		0.0173	0.0173	0.0000	5.1158	5.1158	4.9900e-003	0.0000	5.2206
Total	**2.3063**	**0.0616**	**5.0498**	**3.2000e-003**		**0.3072**	**0.3072**		**0.3071**	**0.3071**	**32.2481**	**67.1048**	**99.3529**	**0.1012**	**2.1900e-003**	**102.1559**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1188					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0974					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.9944	0.0252	1.9075	3.0300e-003		0.2899	0.2899		0.2899	0.2899	32.2481	61.9890	94.2371	0.0962	2.1900e-003	96.9353
Landscaping	0.0957	0.0363	3.1423	1.7000e-004		0.0173	0.0173		0.0173	0.0173	0.0000	5.1158	5.1158	4.9900e-003	0.0000	5.2206
Total	**2.3063**	**0.0616**	**5.0498**	**3.2000e-003**		**0.3072**	**0.3072**		**0.3071**	**0.3071**	**32.2481**	**67.1048**	**99.3529**	**0.1012**	**2.1900e-003**	**102.1559**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	119.6652	0.6498	0.0163	138.3581
Unmitigated	119.6652	0.6500	0.0163	138.3681

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

Apartments Low Rise	19.7866 / 12.4742	119.6652	0.6500	0.0163	138.3681
Total		**119.6652**	**0.6500**	**0.0163**	**138.3681**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	19.7866 / 12.4742	119.6652	0.6498	0.0163	138.3581
Total		**119.6652**	**0.6498**	**0.0163**	**138.3581**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	28.3578	1.6759	0.0000	63.5517
Unmitigated	28.3578	1.6759	0.0000	63.5517

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	139.7	28.3578	1.6759	0.0000	63.5517
Total		**28.3578**	**1.6759**	**0.0000**	**63.5517**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	139.7	28.3578	1.6759	0.0000	63.5517
Total		**28.3578**	**1.6759**	**0.0000**	**63.5517**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 2 - Student Housing Project

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	303.69	Dwelling Unit	3.50	303,688.00	869

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified; Student Housing Project is multiple stories - according to HPI will be 3.5 acres

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified to account for 3.5 acre footprint

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Trips and VMT -

Demolition - Assuming denisty of pavement is 150 lbs/ft3, and pavement is 1 foot deep

Architectural Coating - scaqmd rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblGrading	AcresOfGrading	7.50	0.00
tblLandUse	LandUseSquareFeet	303,690.00	303,688.00
tblLandUse	LotAcreage	18.98	3.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	OperationalYear	2014	2020

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.2774	40.8929	32.2928	0.0678	13.3655	1.8189	15.1843	3.3971	1.6979	4.8285	0.0000	6,718.4960	6,718.4960	0.7531	0.0000	6,734.3114
2018	132.3873	23.6851	28.6279	0.0615	2.6479	1.3045	3.9524	0.7062	1.2484	1.9546	0.0000	5,287.4787	5,287.4787	0.6039	0.0000	5,300.1610
Total	**136.6647**	**64.5780**	**60.9206**	**0.1293**	**16.0134**	**3.1234**	**19.1368**	**4.1033**	**2.9463**	**6.7831**	**0.0000**	**12,005.9746**	**12,005.9746**	**1.3570**	**0.0000**	**12,034.4723**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2017	4.2774	40.8929	32.2928	0.0678	5.9022	1.8189	7.7211	1.3430	1.6979	2.7743	0.0000	6,718.4960	6,718.4960	0.7531	0.0000	6,734.3114
2018	132.3873	23.6851	28.6279	0.0615	2.6479	1.3045	3.9524	0.7062	1.2484	1.9546	0.0000	5,287.4787	5,287.4787	0.6039	0.0000	5,300.1610
Total	**136.6647**	**64.5780**	**60.9206**	**0.1293**	**8.5501**	**3.1234**	**11.6735**	**2.0491**	**2.9463**	**4.7289**	**0.0000**	**12,005.9746**	**12,005.9746**	**1.3570**	**0.0000**	**12,034.4723**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**46.61**	**0.00**	**39.00**	**50.06**	**0.00**	**30.28**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695
Energy	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Mobile	5.6984	13.1361	65.2045	0.2202	15.7025	0.2183	15.9208	4.1901	0.2015	4.3916		16,768.0222	16,768.0222	0.5906		16,780.4257
Total	**92.7808**	**16.2900**	**243.3042**	**0.4697**	**15.7025**	**23.6164**	**39.3189**	**4.1901**	**23.5960**	**27.7860**	**2,843.7964**	**23,357.9729**	**26,201.7693**	**9.1361**	**0.2128**	**26,459.6005**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695

Energy	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Mobile	5.6984	13.1361	65.2045	0.2202	15.7025	0.2183	15.9208	4.1901	0.2015	4.3916		16,768.0222	16,768.0222	0.5906		16,780.4257
Total	**92.7808**	**16.2900**	**243.3042**	**0.4697**	**15.7025**	**23.6164**	**39.3189**	**4.1901**	**23.5960**	**27.7860**	**2,843.7964**	**23,357.9729**	**26,201.7693**	**9.1361**	**0.2128**	**26,459.6005**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/3/2017	5	5	
3	Grading	Grading	2/4/2017	2/15/2017	5	8	
4	Trenching	Trenching	2/16/2017	3/1/2017	5	10	
5	Building Construction	Building Construction	3/2/2017	1/17/2018	5	230	
6	Paving	Paving	1/18/2018	2/12/2018	5	18	
7	Architectural Coating	Architectural Coating	2/13/2018	3/8/2018	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 614,968; Residential Outdoor: 204,989; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38

Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	255	0.40
Site Preparation	Scrapers	1	8.00	361	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Excavators	0	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Trenching	Trenchers	2	8.00	80	0.50
Trenching	Plate Compactors	2	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	1,131.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	219.00	32.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	44.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.2349	0.0000	12.2349	1.8525	0.0000	1.8525			0.0000			0.0000
Off-Road	2.7177	26.5484	20.8421	0.0244		1.6034	1.6034		1.4997	1.4997		2,453.5974	2,453.5974	0.6223		2,466.6663
Total	**2.7177**	**26.5484**	**20.8421**	**0.0244**	**12.2349**	**1.6034**	**13.8383**	**1.8525**	**1.4997**	**3.3522**		**2,453.5974**	**2,453.5974**	**0.6223**		**2,466.6663**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.9747	14.2915	10.7997	0.0416	0.9853	0.2145	1.1997	0.2698	0.1973	0.4671		4,123.1038	4,123.1038	0.0292		4,123.7175
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0411	0.0529	0.6510	1.7600e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		141.7948	141.7948	6.4400e-003		141.9300
Total	**1.0158**	**14.3444**	**11.4507**	**0.0433**	**1.1306**	**0.2155**	**1.3460**	**0.3083**	**0.1982**	**0.5065**		**4,264.8986**	**4,264.8986**	**0.0357**		**4,265.6474**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7716	0.0000	4.7716	0.7225	0.0000	0.7225			0.0000			0.0000
Off-Road	2.7177	26.5484	20.8421	0.0244		1.6034	1.6034		1.4997	1.4997	0.0000	2,453.5974	2,453.5974	0.6223		2,466.6663
Total	**2.7177**	**26.5484**	**20.8421**	**0.0244**	**4.7716**	**1.6034**	**6.3750**	**0.7225**	**1.4997**	**2.2221**	**0.0000**	**2,453.5974**	**2,453.5974**	**0.6223**		**2,466.6663**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.9747	14.2915	10.7997	0.0416	0.9853	0.2145	1.1997	0.2698	0.1973	0.4671		4,123.1038	4,123.1038	0.0292		4,123.7175
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0411	0.0529	0.6510	1.7600e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		141.7948	141.7948	6.4400e-003		141.9300
Total	**1.0158**	**14.3444**	**11.4507**	**0.0433**	**1.1306**	**0.2155**	**1.3460**	**0.3083**	**0.1982**	**0.5065**		**4,264.8986**	**4,264.8986**	**0.0357**		**4,265.6474**

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.5324	28.6740	17.1667	0.0239		1.3983	1.3983		1.2864	1.2864		2,445.0311	2,445.0311	0.7492		2,460.7633
Total	**2.5324**	**28.6740**	**17.1667**	**0.0239**	**0.0000**	**1.3983**	**1.3983**	**0.0000**	**1.2864**	**1.2864**		**2,445.0311**	**2,445.0311**	**0.7492**		**2,460.7633**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0253	0.0326	0.4006	1.0900e-003	0.0894	6.1000e-004	0.0900	0.0237	5.6000e-004	0.0243		87.2583	87.2583	3.9600e-003		87.3415
Total	**0.0253**	**0.0326**	**0.4006**	**1.0900e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.6000e-004**	**0.0243**		**87.2583**	**87.2583**	**3.9600e-003**		**87.3415**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.5324	28.6740	17.1667	0.0239		1.3983	1.3983		1.2864	1.2864	0.0000	2,445.0311	2,445.0311	0.7492		2,460.7633
Total	**2.5324**	**28.6740**	**17.1667**	**0.0239**	**0.0000**	**1.3983**	**1.3983**	**0.0000**	**1.2864**	**1.2864**	**0.0000**	**2,445.0311**	**2,445.0311**	**0.7492**		**2,460.7633**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0253	0.0326	0.4006	1.0900e-003	0.0894	6.1000e-004	0.0900	0.0237	5.6000e-004	0.0243		87.2583	87.2583	3.9600e-003		87.3415
Total	**0.0253**	**0.0326**	**0.4006**	**1.0900e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.6000e-004**	**0.0243**		**87.2583**	**87.2583**	**3.9600e-003**		**87.3415**

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.6973	28.1608	18.9679	0.0206		1.5550	1.5550		1.4306	1.4306		2,104.5737	2,104.5737	0.6448		2,118.1153
Total	**2.6973**	**28.1608**	**18.9679**	**0.0206**	**6.5523**	**1.5550**	**8.1074**	**3.3675**	**1.4306**	**4.7981**		**2,104.5737**	**2,104.5737**	**0.6448**		**2,118.1153**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0316	0.0407	0.5007	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		109.0729	109.0729	4.9500e-003		109.1769
Total	**0.0316**	**0.0407**	**0.5007**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**109.0729**	**109.0729**	**4.9500e-003**		**109.1769**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	2.6973	28.1608	18.9679	0.0206		1.5550	1.5550		1.4306	1.4306	0.0000	2,104.5737	2,104.5737	0.6448		2,118.1153
Total	**2.6973**	**28.1608**	**18.9679**	**0.0206**	**2.5554**	**1.5550**	**4.1104**	**1.3133**	**1.4306**	**2.7440**	**0.0000**	**2,104.5737**	**2,104.5737**	**0.6448**		**2,118.1153**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0316	0.0407	0.5007	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		109.0729	109.0729	4.9500e-003		109.1769
Total	**0.0316**	**0.0407**	**0.5007**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**109.0729**	**109.0729**	**4.9500e-003**		**109.1769**

3.5 Trenching - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4756	13.0047	8.4321	0.0110		0.9894	0.9894		0.9118	0.9118		1,097.7642	1,097.7642	0.3224		1,104.5343
Total	**1.4756**	**13.0047**	**8.4321**	**0.0110**		**0.9894**	**0.9894**		**0.9118**	**0.9118**		**1,097.7642**	**1,097.7642**	**0.3224**		**1,104.5343**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0411	0.0529	0.6510	1.7600e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		141.7948	141.7948	6.4400e-003		141.9300

Total	**0.0411**	**0.0529**	**0.6510**	**1.7600e-003**	**0.1453**	**9.9000e-004**	**0.1463**	**0.0385**	**9.2000e-004**	**0.0395**		**141.7948**	**141.7948**	**6.4400e-003**		**141.9300**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4756	13.0047	8.4321	0.0110		0.9894	0.9894		0.9118	0.9118	0.0000	1,097.7642	1,097.7642	0.3224		1,104.5343
Total	**1.4756**	**13.0047**	**8.4321**	**0.0110**		**0.9894**	**0.9894**		**0.9118**	**0.9118**	**0.0000**	**1,097.7642**	**1,097.7642**	**0.3224**		**1,104.5343**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0411	0.0529	0.6510	1.7600e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		141.7948	141.7948	6.4400e-003		141.9300
Total	**0.0411**	**0.0529**	**0.6510**	**1.7600e-003**	**0.1453**	**9.9000e-004**	**0.1463**	**0.0385**	**9.2000e-004**	**0.0395**		**141.7948**	**141.7948**	**6.4400e-003**		**141.9300**

3.6 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3275	22.8585	16.2492	0.0249		1.4621	1.4621		1.3998	1.3998		2,334.8503	2,334.8503	0.5189		2,345.7479
Total	**3.3275**	**22.8585**	**16.2492**	**0.0249**		**1.4621**	**1.4621**		**1.3998**	**1.3998**		**2,334.8503**	**2,334.8503**	**0.5189**		**2,345.7479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2581	2.5184	3.0771	6.9100e-003	0.2000	0.0392	0.2392	0.0570	0.0360	0.0930		682.6535	682.6535	4.7700e-003		682.7537
Worker	0.6918	0.8913	10.9663	0.0297	2.4479	0.0167	2.4646	0.6492	0.0155	0.6646		2,388.6968	2,388.6968	0.1084		2,390.9739
Total	**0.9499**	**3.4097**	**14.0433**	**0.0366**	**2.6479**	**0.0559**	**2.7038**	**0.7062**	**0.0515**	**0.7576**		**3,071.3502**	**3,071.3502**	**0.1132**		**3,073.7276**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	3.3275	22.8585	16.2492	0.0249		1.4621	1.4621		1.3998	1.3998	0.0000	2,334.8503	2,334.8503	0.5189		2,345.7479
Total	**3.3275**	**22.8585**	**16.2492**	**0.0249**		**1.4621**	**1.4621**		**1.3998**	**1.3998**	**0.0000**	**2,334.8503**	**2,334.8503**	**0.5189**		**2,345.7479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2581	2.5184	3.0771	6.9100e-003	0.2000	0.0392	0.2392	0.0570	0.0360	0.0930		682.6535	682.6535	4.7700e-003		682.7537
Worker	0.6918	0.8913	10.9663	0.0297	2.4479	0.0167	2.4646	0.6492	0.0155	0.6646		2,388.6968	2,388.6968	0.1084		2,390.9739
Total	**0.9499**	**3.4097**	**14.0433**	**0.0366**	**2.6479**	**0.0559**	**2.7038**	**0.7062**	**0.0515**	**0.7576**		**3,071.3502**	**3,071.3502**	**0.1132**		**3,073.7276**

3.6 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9004	20.5600	15.6637	0.0249		1.2511	1.2511		1.1992	1.1992		2,317.2089	2,317.2089	0.4980		2,327.6664
Total	**2.9004**	**20.5600**	**15.6637**	**0.0249**		**1.2511**	**1.2511**		**1.1992**	**1.1992**		**2,317.2089**	**2,317.2089**	**0.4980**		**2,327.6664**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2417	2.3117	2.9210	6.9000e-003	0.2000	0.0369	0.2369	0.0570	0.0339	0.0909		671.0637	671.0637	4.7500e-003		671.1633
Worker	0.6314	0.8133	10.0432	0.0297	2.4479	0.0165	2.4644	0.6492	0.0153	0.6645		2,299.2062	2,299.2062	0.1012		2,301.3312
Total	**0.8731**	**3.1251**	**12.9641**	**0.0366**	**2.6479**	**0.0534**	**2.7013**	**0.7062**	**0.0492**	**0.7554**		**2,970.2698**	**2,970.2698**	**0.1059**		**2,972.4946**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9004	20.5600	15.6637	0.0249		1.2511	1.2511		1.1992	1.1992	0.0000	2,317.2089	2,317.2089	0.4980		2,327.6664
Total	**2.9004**	**20.5600**	**15.6637**	**0.0249**		**1.2511**	**1.2511**		**1.1992**	**1.1992**	**0.0000**	**2,317.2089**	**2,317.2089**	**0.4980**		**2,327.6664**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2417	2.3117	2.9210	6.9000e-003	0.2000	0.0369	0.2369	0.0570	0.0339	0.0909		671.0637	671.0637	4.7500e-003		671.1633
Worker	0.6314	0.8133	10.0432	0.0297	2.4479	0.0165	2.4644	0.6492	0.0153	0.6645		2,299.2062	2,299.2062	0.1012		2,301.3312
Total	**0.8731**	**3.1251**	**12.9641**	**0.0366**	**2.6479**	**0.0534**	**2.7013**	**0.7062**	**0.0492**	**0.7554**		**2,970.2698**	**2,970.2698**	**0.1059**		**2,972.4946**

3.7 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1306	11.5793	9.8923	0.0150		0.6701	0.6701		0.6177	0.6177		1,485.9270	1,485.9270	0.4521		1,495.4213
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1306**	**11.5793**	**9.8923**	**0.0150**		**0.6701**	**0.6701**		**0.6177**	**0.6177**		**1,485.9270**	**1,485.9270**	**0.4521**		**1,495.4213**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0375	0.0483	0.5962	1.7600e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		136.4826	136.4826	6.0100e-003		136.6087

Total	**0.0375**	**0.0483**	**0.5962**	**1.7600e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**136.4826**	**136.4826**	**6.0100e-003**		**136.6087**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1306	11.5793	9.8923	0.0150		0.6701	0.6701		0.6177	0.6177	0.0000	1,485.9270	1,485.9270	0.4521		1,495.4213
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1306**	**11.5793**	**9.8923**	**0.0150**		**0.6701**	**0.6701**		**0.6177**	**0.6177**	**0.0000**	**1,485.9270**	**1,485.9270**	**0.4521**		**1,495.4213**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0375	0.0483	0.5962	1.7600e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		136.4826	136.4826	6.0100e-003		136.6087
Total	**0.0375**	**0.0483**	**0.5962**	**1.7600e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**136.4826**	**136.4826**	**6.0100e-003**		**136.6087**

3.8 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	131.9618					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	**132.2604**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**		**281.4485**	**281.4485**	**0.0267**		**282.0102**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1269	0.1634	2.0178	5.9700e-003	0.4918	3.3200e-003	0.4951	0.1304	3.0700e-003	0.1335		461.9410	461.9410	0.0203		462.3679
Total	**0.1269**	**0.1634**	**2.0178**	**5.9700e-003**	**0.4918**	**3.3200e-003**	**0.4951**	**0.1304**	**3.0700e-003**	**0.1335**		**461.9410**	**461.9410**	**0.0203**		**462.3679**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	131.9618					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	**132.2604**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**	**0.0000**	**281.4485**	**281.4485**	**0.0267**		**282.0102**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1269	0.1634	2.0178	5.9700e-003	0.4918	3.3200e-003	0.4951	0.1304	3.0700e-003	0.1335		461.9410	461.9410	0.0203		462.3679
Total	**0.1269**	**0.1634**	**2.0178**	**5.9700e-003**	**0.4918**	**3.3200e-003**	**0.4951**	**0.1304**	**3.0700e-003**	**0.1335**		**461.9410**	**461.9410**	**0.0203**		**462.3679**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6984	13.1361	65.2045	0.2202	15.7025	0.2183	15.9208	4.1901	0.2015	4.3916		16,768.0222	16,768.0222	0.5906		16,780.4257
Unmitigated	5.6984	13.1361	65.2045	0.2202	15.7025	0.2183	15.9208	4.1901	0.2015	4.3916		16,768.0222	16,768.0222	0.5906		16,780.4257

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,001.32	2,174.42	1843.40	6,846,217	6,846,217
Total	2,001.32	2,174.42	1,843.40	6,846,217	6,846,217

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.508857	0.056420	0.193204	0.150829	0.041936	0.005921	0.015893	0.015805	0.001454	0.002159	0.004747	0.000498	0.002277

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
NaturalGas Unmitigated	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	9165.91	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Total		**0.0989**	**0.8447**	**0.3595**	**5.3900e-003**		**0.0683**	**0.0683**		**0.0683**	**0.0683**		**1,078.3428**	**1,078.3428**	**0.0207**	**0.0198**	**1,084.9054**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	9.16591	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Total		**0.0989**	**0.8447**	**0.3595**	**5.3900e-003**		**0.0683**	**0.0683**		**0.0683**	**0.0683**		**1,078.3428**	**1,078.3428**	**0.0207**	**0.0198**	**1,084.9054**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695
Unmitigated	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	79.5543	2.0185	152.6021	0.2428		23.1916	23.1916		23.1880	23.1880	2,843.7964	5,466.4941	8,310.2905	8.4808	0.1931	8,548.2318
Landscaping	0.7655	0.2907	25.1381	1.3200e-003		0.1382	0.1382		0.1382	0.1382		45.1139	45.1139	0.0440		46.0377
Total	**86.9836**	**2.3092**	**177.7402**	**0.2441**		**23.3298**	**23.3298**		**23.3262**	**23.3262**	**2,843.7964**	**5,511.6080**	**8,355.4044**	**8.5248**	**0.1931**	**8,594.2695**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	6.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	79.5543	2.0185	152.6021	0.2428		23.1916	23.1916		23.1880	23.1880	2,843.7964	5,466.4941	8,310.2905	8.4808	0.1931	8,548.2318
Landscaping	0.7655	0.2907	25.1381	1.3200e-003		0.1382	0.1382		0.1382	0.1382		45.1139	45.1139	0.0440		46.0377
Total	**86.9836**	**2.3092**	**177.7402**	**0.2441**		**23.3298**	**23.3298**		**23.3262**	**23.3262**	**2,843.7964**	**5,511.6080**	**8,355.4044**	**8.5248**	**0.1931**	**8,594.2695**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 2 - Student Housing Project

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	303.69	Dwelling Unit	3.50	303,688.00	869

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified; Student Housing Project is multiple stories - according to HPI will be 3.5 acres

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified to account for 3.5 acre footprint

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Trips and VMT -

Demolition - Assuming denisty of pavement is 150 lbs/ft3, and pavement is 1 foot deep

Architectural Coating - scaqmd rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblGrading	AcresOfGrading	7.50	0.00
tblLandUse	LandUseSquareFeet	303,690.00	303,688.00
tblLandUse	LotAcreage	18.98	3.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	OperationalYear	2014	2020

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.3399	41.3869	33.9255	0.0676	13.3655	1.8194	15.1848	3.3971	1.6983	4.8285	0.0000	6,701.1506	6,701.1506	0.7531	0.0000	6,716.9660
2018	132.3936	23.8181	28.6348	0.0599	2.6479	1.3049	3.9528	0.7062	1.2488	1.9549	0.0000	5,159.9408	5,159.9408	0.6041	0.0000	5,172.6263
Total	**136.7335**	**65.2050**	**62.5603**	**0.1274**	**16.0134**	**3.1243**	**19.1376**	**4.1033**	**2.9471**	**6.7834**	**0.0000**	**11,861.0913**	**11,861.0913**	**1.3572**	**0.0000**	**11,889.5923**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					

2017	4.3399	41.3869	33.9255	0.0676	5.9022	1.8194	7.7216	1.3430	1.6983	2.7743	0.0000	6,701.1506	6,701.1506	0.7531	0.0000	6,716.9660
2018	132.3936	23.8181	28.6348	0.0599	2.6479	1.3049	3.9528	0.7062	1.2488	1.9549	0.0000	5,159.9408	5,159.9408	0.6041	0.0000	5,172.6263
Total	**136.7335**	**65.2050**	**62.5603**	**0.1274**	**8.5501**	**3.1243**	**11.6743**	**2.0491**	**2.9471**	**4.7292**	**0.0000**	**11,861.0913**	**11,861.0913**	**1.3572**	**0.0000**	**11,889.5923**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**46.61**	**0.00**	**39.00**	**50.06**	**0.00**	**30.28**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695
Energy	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Mobile	5.9903	13.8709	64.4048	0.2103	15.7025	0.2189	15.9214	4.1901	0.2021	4.3921		16,044.1493	16,044.1493	0.5910		16,056.5605
Total	**93.0727**	**17.0248**	**242.5044**	**0.4598**	**15.7025**	**23.6171**	**39.3195**	**4.1901**	**23.5966**	**27.7866**	**2,843.7964**	**22,634.1000**	**25,477.8964**	**9.1365**	**0.2128**	**25,735.7354**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695

Energy	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Mobile	5.9903	13.8709	64.4048	0.2103	15.7025	0.2189	15.9214	4.1901	0.2021	4.3921		16,044.1493	16,044.1493	0.5910		16,056.5605
Total	**93.0727**	**17.0248**	**242.5044**	**0.4598**	**15.7025**	**23.6171**	**39.3195**	**4.1901**	**23.5966**	**27.7866**	**2,843.7964**	**22,634.1000**	**25,477.8964**	**9.1365**	**0.2128**	**25,735.7354**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/3/2017	5	5	
3	Grading	Grading	2/4/2017	2/15/2017	5	8	
4	Trenching	Trenching	2/16/2017	3/1/2017	5	10	
5	Building Construction	Building Construction	3/2/2017	1/17/2018	5	230	
6	Paving	Paving	1/18/2018	2/12/2018	5	18	
7	Architectural Coating	Architectural Coating	2/13/2018	3/8/2018	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 614,968; Residential Outdoor: 204,989; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38

Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	255	0.40
Site Preparation	Scrapers	1	8.00	361	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Excavators	0	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Trenching	Trenchers	2	8.00	80	0.50
Trenching	Plate Compactors	2	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	1,131.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	219.00	32.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	44.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.2349	0.0000	12.2349	1.8525	0.0000	1.8525			0.0000			0.0000
Off-Road	2.7177	26.5484	20.8421	0.0244		1.6034	1.6034		1.4997	1.4997		2,453.5974	2,453.5974	0.6223		2,466.6663
Total	**2.7177**	**26.5484**	**20.8421**	**0.0244**	**12.2349**	**1.6034**	**13.8383**	**1.8525**	**1.4997**	**3.3522**		**2,453.5974**	**2,453.5974**	**0.6223**		**2,466.6663**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0379	14.7803	12.4720	0.0415	0.9853	0.2150	1.2002	0.2698	0.1977	0.4675		4,113.2670	4,113.2670	0.0296		4,113.8893
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0432	0.0582	0.6114	1.6700e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		134.2862	134.2862	6.4400e-003		134.4213
Total	**1.0811**	**14.8385**	**13.0834**	**0.0432**	**1.1306**	**0.2160**	**1.3465**	**0.3083**	**0.1986**	**0.5070**		**4,247.5532**	**4,247.5532**	**0.0361**		**4,248.3106**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.7716	0.0000	4.7716	0.7225	0.0000	0.7225			0.0000			0.0000
Off-Road	2.7177	26.5484	20.8421	0.0244		1.6034	1.6034		1.4997	1.4997	0.0000	2,453.5974	2,453.5974	0.6223		2,466.6663
Total	**2.7177**	**26.5484**	**20.8421**	**0.0244**	**4.7716**	**1.6034**	**6.3750**	**0.7225**	**1.4997**	**2.2221**	**0.0000**	**2,453.5974**	**2,453.5974**	**0.6223**		**2,466.6663**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0379	14.7803	12.4720	0.0415	0.9853	0.2150	1.2002	0.2698	0.1977	0.4675		4,113.2670	4,113.2670	0.0296		4,113.8893
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0432	0.0582	0.6114	1.6700e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		134.2862	134.2862	6.4400e-003		134.4213
Total	**1.0811**	**14.8385**	**13.0834**	**0.0432**	**1.1306**	**0.2160**	**1.3465**	**0.3083**	**0.1986**	**0.5070**		**4,247.5532**	**4,247.5532**	**0.0361**		**4,248.3106**

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.5324	28.6740	17.1667	0.0239		1.3983	1.3983		1.2864	1.2864		2,445.0311	2,445.0311	0.7492		2,460.7633
Total	**2.5324**	**28.6740**	**17.1667**	**0.0239**	**0.0000**	**1.3983**	**1.3983**	**0.0000**	**1.2864**	**1.2864**		**2,445.0311**	**2,445.0311**	**0.7492**		**2,460.7633**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0266	0.0358	0.3762	1.0300e-003	0.0894	6.1000e-004	0.0900	0.0237	5.6000e-004	0.0243		82.6376	82.6376	3.9600e-003		82.7208
Total	**0.0266**	**0.0358**	**0.3762**	**1.0300e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.6000e-004**	**0.0243**		**82.6376**	**82.6376**	**3.9600e-003**		**82.7208**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.5324	28.6740	17.1667	0.0239		1.3983	1.3983		1.2864	1.2864	0.0000	2,445.0311	2,445.0311	0.7492		2,460.7633
Total	**2.5324**	**28.6740**	**17.1667**	**0.0239**	**0.0000**	**1.3983**	**1.3983**	**0.0000**	**1.2864**	**1.2864**	**0.0000**	**2,445.0311**	**2,445.0311**	**0.7492**		**2,460.7633**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0266	0.0358	0.3762	1.0300e-003	0.0894	6.1000e-004	0.0900	0.0237	5.6000e-004	0.0243		82.6376	82.6376	3.9600e-003		82.7208
Total	**0.0266**	**0.0358**	**0.3762**	**1.0300e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.6000e-004**	**0.0243**		**82.6376**	**82.6376**	**3.9600e-003**		**82.7208**

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.6973	28.1608	18.9679	0.0206		1.5550	1.5550		1.4306	1.4306		2,104.5737	2,104.5737	0.6448		2,118.1153
Total	**2.6973**	**28.1608**	**18.9679**	**0.0206**	**6.5523**	**1.5550**	**8.1074**	**3.3675**	**1.4306**	**4.7981**		**2,104.5737**	**2,104.5737**	**0.6448**		**2,118.1153**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0448	0.4703	1.2800e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		103.2970	103.2970	4.9500e-003		103.4010
Total	**0.0332**	**0.0448**	**0.4703**	**1.2800e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**103.2970**	**103.2970**	**4.9500e-003**		**103.4010**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	2.6973	28.1608	18.9679	0.0206		1.5550	1.5550		1.4306	1.4306	0.0000	2,104.5737	2,104.5737	0.6448		2,118.1153
Total	**2.6973**	**28.1608**	**18.9679**	**0.0206**	**2.5554**	**1.5550**	**4.1104**	**1.3133**	**1.4306**	**2.7440**	**0.0000**	**2,104.5737**	**2,104.5737**	**0.6448**		**2,118.1153**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0448	0.4703	1.2800e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		103.2970	103.2970	4.9500e-003		103.4010
Total	**0.0332**	**0.0448**	**0.4703**	**1.2800e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**103.2970**	**103.2970**	**4.9500e-003**		**103.4010**

3.5 Trenching - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4756	13.0047	8.4321	0.0110		0.9894	0.9894		0.9118	0.9118		1,097.7642	1,097.7642	0.3224		1,104.5343
Total	**1.4756**	**13.0047**	**8.4321**	**0.0110**		**0.9894**	**0.9894**		**0.9118**	**0.9118**		**1,097.7642**	**1,097.7642**	**0.3224**		**1,104.5343**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0432	0.0582	0.6114	1.6700e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		134.2862	134.2862	6.4400e-003		134.4213

Total	**0.0432**	**0.0582**	**0.6114**	**1.6700e-003**	**0.1453**	**9.9000e-004**	**0.1463**	**0.0385**	**9.2000e-004**	**0.0395**		**134.2862**	**134.2862**	**6.4400e-003**		**134.4213**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4756	13.0047	8.4321	0.0110		0.9894	0.9894		0.9118	0.9118	0.0000	1,097.7642	1,097.7642	0.3224		1,104.5343
Total	**1.4756**	**13.0047**	**8.4321**	**0.0110**		**0.9894**	**0.9894**		**0.9118**	**0.9118**	**0.0000**	**1,097.7642**	**1,097.7642**	**0.3224**		**1,104.5343**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0432	0.0582	0.6114	1.6700e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		134.2862	134.2862	6.4400e-003		134.4213
Total	**0.0432**	**0.0582**	**0.6114**	**1.6700e-003**	**0.1453**	**9.9000e-004**	**0.1463**	**0.0385**	**9.2000e-004**	**0.0395**		**134.2862**	**134.2862**	**6.4400e-003**		**134.4213**

3.6 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3275	22.8585	16.2492	0.0249		1.4621	1.4621		1.3998	1.3998		2,334.8503	2,334.8503	0.5189		2,345.7479
Total	**3.3275**	**22.8585**	**16.2492**	**0.0249**		**1.4621**	**1.4621**		**1.3998**	**1.3998**		**2,334.8503**	**2,334.8503**	**0.5189**		**2,345.7479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2853	2.5762	3.7294	6.8700e-003	0.2000	0.0396	0.2396	0.0570	0.0364	0.0933		676.8829	676.8829	4.9200e-003		676.9863
Worker	0.7271	0.9802	10.2993	0.0281	2.4479	0.0167	2.4646	0.6492	0.0155	0.6646		2,262.2051	2,262.2051	0.1084		2,264.4822
Total	**1.0124**	**3.5564**	**14.0287**	**0.0350**	**2.6479**	**0.0563**	**2.7042**	**0.7062**	**0.0518**	**0.7580**		**2,939.0880**	**2,939.0880**	**0.1134**		**2,941.4685**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	3.3275	22.8585	16.2492	0.0249		1.4621	1.4621		1.3998	1.3998	0.0000	2,334.8503	2,334.8503	0.5189		2,345.7479
Total	**3.3275**	**22.8585**	**16.2492**	**0.0249**		**1.4621**	**1.4621**		**1.3998**	**1.3998**	**0.0000**	**2,334.8503**	**2,334.8503**	**0.5189**		**2,345.7479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2853	2.5762	3.7294	6.8700e-003	0.2000	0.0396	0.2396	0.0570	0.0364	0.0933		676.8829	676.8829	4.9200e-003		676.9863
Worker	0.7271	0.9802	10.2993	0.0281	2.4479	0.0167	2.4646	0.6492	0.0155	0.6646		2,262.2051	2,262.2051	0.1084		2,264.4822
Total	**1.0124**	**3.5564**	**14.0287**	**0.0350**	**2.6479**	**0.0563**	**2.7042**	**0.7062**	**0.0518**	**0.7580**		**2,939.0880**	**2,939.0880**	**0.1134**		**2,941.4685**

3.6 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9004	20.5600	15.6637	0.0249		1.2511	1.2511		1.1992	1.1992		2,317.2089	2,317.2089	0.4980		2,327.6664
Total	**2.9004**	**20.5600**	**15.6637**	**0.0249**		**1.2511**	**1.2511**		**1.1992**	**1.1992**		**2,317.2089**	**2,317.2089**	**0.4980**		**2,327.6664**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2660	2.3637	3.5684	6.8500e-003	0.2000	0.0373	0.2373	0.0570	0.0343	0.0912		665.3779	665.3779	4.9000e-003		665.4808
Worker	0.6627	0.8944	9.4027	0.0281	2.4479	0.0165	2.4644	0.6492	0.0153	0.6645		2,177.3540	2,177.3540	0.1012		2,179.4791
Total	**0.9288**	**3.2581**	**12.9711**	**0.0350**	**2.6479**	**0.0538**	**2.7017**	**0.7062**	**0.0496**	**0.7557**		**2,842.7319**	**2,842.7319**	**0.1061**		**2,844.9599**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9004	20.5600	15.6637	0.0249		1.2511	1.2511		1.1992	1.1992	0.0000	2,317.2089	2,317.2089	0.4980		2,327.6664
Total	**2.9004**	**20.5600**	**15.6637**	**0.0249**		**1.2511**	**1.2511**		**1.1992**	**1.1992**	**0.0000**	**2,317.2089**	**2,317.2089**	**0.4980**		**2,327.6664**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2660	2.3637	3.5684	6.8500e-003	0.2000	0.0373	0.2373	0.0570	0.0343	0.0912		665.3779	665.3779	4.9000e-003		665.4808
Worker	0.6627	0.8944	9.4027	0.0281	2.4479	0.0165	2.4644	0.6492	0.0153	0.6645		2,177.3540	2,177.3540	0.1012		2,179.4791
Total	**0.9288**	**3.2581**	**12.9711**	**0.0350**	**2.6479**	**0.0538**	**2.7017**	**0.7062**	**0.0496**	**0.7557**		**2,842.7319**	**2,842.7319**	**0.1061**		**2,844.9599**

3.7 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1306	11.5793	9.8923	0.0150		0.6701	0.6701		0.6177	0.6177		1,485.9270	1,485.9270	0.4521		1,495.4213
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1306**	**11.5793**	**9.8923**	**0.0150**		**0.6701**	**0.6701**		**0.6177**	**0.6177**		**1,485.9270**	**1,485.9270**	**0.4521**		**1,495.4213**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0531	0.5582	1.6700e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		129.2493	129.2493	6.0100e-003		129.3755

Total	**0.0393**	**0.0531**	**0.5582**	**1.6700e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**129.2493**	**129.2493**	**6.0100e-003**		**129.3755**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1306	11.5793	9.8923	0.0150		0.6701	0.6701		0.6177	0.6177	0.0000	1,485.9270	1,485.9270	0.4521		1,495.4213
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1306**	**11.5793**	**9.8923**	**0.0150**		**0.6701**	**0.6701**		**0.6177**	**0.6177**	**0.0000**	**1,485.9270**	**1,485.9270**	**0.4521**		**1,495.4213**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0531	0.5582	1.6700e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		129.2493	129.2493	6.0100e-003		129.3755
Total	**0.0393**	**0.0531**	**0.5582**	**1.6700e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**129.2493**	**129.2493**	**6.0100e-003**		**129.3755**

3.8 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	131.9618					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	**132.2604**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**		**281.4485**	**281.4485**	**0.0267**		**282.0102**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1332	0.1797	1.8891	5.6500e-003	0.4918	3.3200e-003	0.4951	0.1304	3.0700e-003	0.1335		437.4593	437.4593	0.0203		437.8862
Total	**0.1332**	**0.1797**	**1.8891**	**5.6500e-003**	**0.4918**	**3.3200e-003**	**0.4951**	**0.1304**	**3.0700e-003**	**0.1335**		**437.4593**	**437.4593**	**0.0203**		**437.8862**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	131.9618					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	**132.2604**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**	**0.0000**	**281.4485**	**281.4485**	**0.0267**		**282.0102**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1332	0.1797	1.8891	5.6500e-003	0.4918	3.3200e-003	0.4951	0.1304	3.0700e-003	0.1335		437.4593	437.4593	0.0203		437.8862
Total	**0.1332**	**0.1797**	**1.8891**	**5.6500e-003**	**0.4918**	**3.3200e-003**	**0.4951**	**0.1304**	**3.0700e-003**	**0.1335**		**437.4593**	**437.4593**	**0.0203**		**437.8862**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.9903	13.8709	64.4048	0.2103	15.7025	0.2189	15.9214	4.1901	0.2021	4.3921		16,044.1493	16,044.1493	0.5910		16,056.5605
Unmitigated	5.9903	13.8709	64.4048	0.2103	15.7025	0.2189	15.9214	4.1901	0.2021	4.3921		16,044.1493	16,044.1493	0.5910		16,056.5605

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,001.32	2,174.42	1843.40	6,846,217	6,846,217
Total	2,001.32	2,174.42	1,843.40	6,846,217	6,846,217

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.508857	0.056420	0.193204	0.150829	0.041936	0.005921	0.015893	0.015805	0.001454	0.002159	0.004747	0.000498	0.002277

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
NaturalGas Unmitigated	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	9165.91	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Total		**0.0989**	**0.8447**	**0.3595**	**5.3900e-003**		**0.0683**	**0.0683**		**0.0683**	**0.0683**		**1,078.3428**	**1,078.3428**	**0.0207**	**0.0198**	**1,084.9054**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	9.16591	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Total		**0.0989**	**0.8447**	**0.3595**	**5.3900e-003**		**0.0683**	**0.0683**		**0.0683**	**0.0683**		**1,078.3428**	**1,078.3428**	**0.0207**	**0.0198**	**1,084.9054**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695
Unmitigated	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	79.5543	2.0185	152.6021	0.2428		23.1916	23.1916		23.1880	23.1880	2,843.7964	5,466.4941	8,310.2905	8.4808	0.1931	8,548.2318
Landscaping	0.7655	0.2907	25.1381	1.3200e-003		0.1382	0.1382		0.1382	0.1382		45.1139	45.1139	0.0440		46.0377
Total	**86.9836**	**2.3092**	**177.7402**	**0.2441**		**23.3298**	**23.3298**		**23.3262**	**23.3262**	**2,843.7964**	**5,511.6080**	**8,355.4044**	**8.5248**	**0.1931**	**8,594.2695**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Consumer Products	6.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	79.5543	2.0185	152.6021	0.2428		23.1916	23.1916		23.1880	23.1880	2,843.7964	5,466.4941	8,310.2905	8.4808	0.1931	8,548.2318
Landscaping	0.7655	0.2907	25.1381	1.3200e-003		0.1382	0.1382		0.1382	0.1382		45.1139	45.1139	0.0440		46.0377
Total	**86.9836**	**2.3092**	**177.7402**	**0.2441**		**23.3298**	**23.3298**		**23.3262**	**23.3262**	**2,843.7964**	**5,511.6080**	**8,355.4044**	**8.5248**	**0.1931**	**8,594.2695**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 2 - Student Union

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	189.81	1000sqft	4.36	189,806.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Trips and VMT - modified

Demolition - Assuming density of pavement is 150 lbs/ft3 and pavement is 1 ft deep

Architectural Coating - modified per SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblProjectCharacteristics	OperationalYear	2014	2020

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.2502	2.3113	2.0699	3.4500e-003	0.2404	0.1235	0.3639	0.0711	0.1154	0.1865	0.0000	297.7362	297.7362	0.0555	0.0000	298.9018
2019	1.0914	1.7836	1.7987	3.3400e-003	0.0789	0.1010	0.1799	0.0212	0.0948	0.1161	0.0000	275.9371	275.9371	0.0476	0.0000	276.9367
Total	**1.3416**	**4.0949**	**3.8686**	**6.7900e-003**	**0.3193**	**0.2244**	**0.5438**	**0.0924**	**0.2102**	**0.3026**	**0.0000**	**573.6733**	**573.6733**	**0.1031**	**0.0000**	**575.8385**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.2502	2.3113	2.0699	3.4500e-003	0.1311	0.1235	0.2546	0.0378	0.1154	0.1532	0.0000	297.7359	297.7359	0.0555	0.0000	298.9016
2019	1.0914	1.7836	1.7987	3.3400e-003	0.0789	0.1010	0.1799	0.0212	0.0948	0.1161	0.0000	275.9369	275.9369	0.0476	0.0000	276.9365
Total	**1.3416**	**4.0949**	**3.8686**	**6.7900e-003**	**0.2101**	**0.2244**	**0.4345**	**0.0590**	**0.2102**	**0.2693**	**0.0000**	**573.6728**	**573.6728**	**0.1031**	**0.0000**	**575.8381**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**34.22**	**0.00**	**20.09**	**36.07**	**0.00**	**11.01**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9060	2.0000e-005	2.4400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7100e-003	4.7100e-003	1.0000e-005	0.0000	4.9800e-003
Energy	0.0162	0.1476	0.1240	8.9000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	923.7848	923.7848	0.0382	0.0102	927.7490
Mobile	1.8576	4.3356	20.1171	0.0642	4.6381	0.0663	4.7044	1.2394	0.0612	1.3006	0.0000	4,439.8362	4,439.8362	0.1625	0.0000	4,443.2489
Waste						0.0000	0.0000		0.0000	0.0000	50.0880	0.0000	50.0880	2.9601	0.0000	112.2505
Water						0.0000	0.0000		0.0000	0.0000	2.9536	80.9872	83.9409	0.3071	7.9300e-003	92.8491
Total	**2.7799**	**4.4832**	**20.2435**	**0.0651**	**4.6381**	**0.0775**	**4.7156**	**1.2394**	**0.0724**	**1.3118**	**53.0417**	**5,444.6130**	**5,497.6546**	**3.4679**	**0.0181**	**5,576.1025**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9060	2.0000e-005	2.4400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7100e-003	4.7100e-003	1.0000e-005	0.0000	4.9800e-003
Energy	0.0162	0.1476	0.1240	8.9000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	923.7848	923.7848	0.0382	0.0102	927.7490
Mobile	1.8576	4.3356	20.1171	0.0642	4.6381	0.0663	4.7044	1.2394	0.0612	1.3006	0.0000	4,439.8362	4,439.8362	0.1625	0.0000	4,443.2489
Waste						0.0000	0.0000		0.0000	0.0000	50.0880	0.0000	50.0880	2.9601	0.0000	112.2505
Water						0.0000	0.0000		0.0000	0.0000	2.9536	80.9872	83.9409	0.3070	7.9200e-003	92.8444
Total	**2.7799**	**4.4832**	**20.2435**	**0.0651**	**4.6381**	**0.0775**	**4.7156**	**1.2394**	**0.0724**	**1.3118**	**53.0417**	**5,444.6130**	**5,497.6546**	**3.4678**	**0.0181**	**5,576.0978**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.06**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - Pavement Removal	Demolition	6/1/2018	6/28/2018	5	20	
2	Demolition	Demolition	6/29/2018	7/26/2018	5	20	
3	Site Preparation	Site Preparation	7/27/2018	8/2/2018	5	5	
4	Grading	Grading	8/3/2018	8/14/2018	5	8	
5	Trenching	Trenching	8/15/2018	8/28/2018	5	10	
6	Building Construction	Building Construction	8/29/2018	7/16/2019	5	230	
7	Paving	Paving	7/17/2019	8/9/2019	5	18	

8	Architectural Coating	Architectural Coating	8/10/2019	9/4/2019	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 284,709; Non-Residential Outdoor: 94,903 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Demolition - Pavement Removal	Concrete/Industrial Saws	1	8.00	81	0.73
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition - Pavement Removal	Excavators	3	8.00	162	0.38
Demolition - Pavement Removal	Rubber Tired Dozers	2	8.00	255	0.40
Trenching	Trenchers	2	8.00	80	0.50
Trenching	Plate Compactors	2	8.00	8	0.43
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38

Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - Pavement Removal	6	15.00	0.00	704.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	80.00	31.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	292.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - Pavement Removal - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0762	0.0000	0.0762	0.0115	0.0000	0.0115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0356	0.3683	0.3173	4.0000e-004		0.0181	0.0181		0.0169	0.0169	0.0000	36.1362	36.1362	9.9900e-003	0.0000	36.3460
Total	**0.0356**	**0.3683**	**0.3173**	**4.0000e-004**	**0.0762**	**0.0181**	**0.0943**	**0.0115**	**0.0169**	**0.0284**	**0.0000**	**36.1362**	**36.1362**	**9.9900e-003**	**0.0000**	**36.3460**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.1100e-003	0.0869	0.0733	2.6000e-004	6.0400e-003	1.3400e-003	7.3700e-003	1.6600e-003	1.2300e-003	2.8800e-003	0.0000	22.8701	22.8701	1.7000e-004	0.0000	22.8737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	6.3000e-004	6.5800e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3733	1.3733	6.0000e-005	0.0000	1.3747
Total	**6.5300e-003**	**0.0875**	**0.0798**	**2.8000e-004**	**7.6900e-003**	**1.3500e-003**	**9.0300e-003**	**2.1000e-003**	**1.2400e-003**	**3.3300e-003**	**0.0000**	**24.2435**	**24.2435**	**2.3000e-004**	**0.0000**	**24.2483**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0297	0.0000	0.0297	4.5000e-003	0.0000	4.5000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0356	0.3683	0.3173	4.0000e-004		0.0181	0.0181		0.0169	0.0169	0.0000	36.1361	36.1361	9.9900e-003	0.0000	36.3459
Total	**0.0356**	**0.3683**	**0.3173**	**4.0000e-004**	**0.0297**	**0.0181**	**0.0478**	**4.5000e-003**	**0.0169**	**0.0214**	**0.0000**	**36.1361**	**36.1361**	**9.9900e-003**	**0.0000**	**36.3459**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.1100e-003	0.0869	0.0733	2.6000e-004	6.0400e-003	1.3400e-003	7.3700e-003	1.6600e-003	1.2300e-003	2.8800e-003	0.0000	22.8701	22.8701	1.7000e-004	0.0000	22.8737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	6.3000e-004	6.5800e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3733	1.3733	6.0000e-005	0.0000	1.3747
Total	**6.5300e-003**	**0.0875**	**0.0798**	**2.8000e-004**	**7.6900e-003**	**1.3500e-003**	**9.0300e-003**	**2.1000e-003**	**1.2400e-003**	**3.3300e-003**	**0.0000**	**24.2435**	**24.2435**	**2.3000e-004**	**0.0000**	**24.2483**

3.3 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0316	0.0000	0.0316	4.7800e-003	0.0000	4.7800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0356	0.3683	0.3173	4.0000e-004		0.0181	0.0181		0.0169	0.0169	0.0000	36.1362	36.1362	9.9900e-003	0.0000	36.3460
Total	**0.0356**	**0.3683**	**0.3173**	**4.0000e-004**	**0.0316**	**0.0181**	**0.0497**	**4.7800e-003**	**0.0169**	**0.0216**	**0.0000**	**36.1362**	**36.1362**	**9.9900e-003**	**0.0000**	**36.3460**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	2.5400e-003	0.0360	0.0304	1.1000e-004	2.5000e-003	5.5000e-004	3.0600e-003	6.9000e-004	5.1000e-004	1.2000e-003	0.0000	9.4859	9.4859	7.0000e-005	0.0000	9.4874
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	6.3000e-004	6.5800e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3733	1.3733	6.0000e-005	0.0000	1.3747
Total	**2.9600e-003**	**0.0367**	**0.0370**	**1.3000e-004**	**4.1500e-003**	**5.6000e-004**	**4.7200e-003**	**1.1300e-003**	**5.2000e-004**	**1.6500e-003**	**0.0000**	**10.8592**	**10.8592**	**1.3000e-004**	**0.0000**	**10.8620**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0123	0.0000	0.0123	1.8600e-003	0.0000	1.8600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0356	0.3683	0.3173	4.0000e-004		0.0181	0.0181		0.0169	0.0169	0.0000	36.1361	36.1361	9.9900e-003	0.0000	36.3459
Total	**0.0356**	**0.3683**	**0.3173**	**4.0000e-004**	**0.0123**	**0.0181**	**0.0304**	**1.8600e-003**	**0.0169**	**0.0187**	**0.0000**	**36.1361**	**36.1361**	**9.9900e-003**	**0.0000**	**36.3459**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5400e-003	0.0360	0.0304	1.1000e-004	2.5000e-003	5.5000e-004	3.0600e-003	6.9000e-004	5.1000e-004	1.2000e-003	0.0000	9.4859	9.4859	7.0000e-005	0.0000	9.4874
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	6.3000e-004	6.5800e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3733	1.3733	6.0000e-005	0.0000	1.3747
Total	**2.9600e-003**	**0.0367**	**0.0370**	**1.3000e-004**	**4.1500e-003**	**5.6000e-004**	**4.7200e-003**	**1.1300e-003**	**5.2000e-004**	**1.6500e-003**	**0.0000**	**10.8592**	**10.8592**	**1.3000e-004**	**0.0000**	**10.8620**

3.4 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0107	0.1140	0.0906	1.0000e-004		5.9100e-003	5.9100e-003		5.4400e-003	5.4400e-003	0.0000	8.9353	8.9353	2.7800e-003	0.0000	8.9937
Total	**0.0107**	**0.1140**	**0.0906**	**1.0000e-004**	**0.0452**	**5.9100e-003**	**0.0511**	**0.0248**	**5.4400e-003**	**0.0303**	**0.0000**	**8.9353**	**8.9353**	**2.7800e-003**	**0.0000**	**8.9937**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.9000e-004	1.9700e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4120	0.4120	2.0000e-005	0.0000	0.4124
Total	**1.3000e-004**	**1.9000e-004**	**1.9700e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4120**	**0.4120**	**2.0000e-005**	**0.0000**	**0.4124**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0176	0.0000	0.0176	9.6800e-003	0.0000	9.6800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0107	0.1140	0.0906	1.0000e-004		5.9100e-003	5.9100e-003		5.4400e-003	5.4400e-003	0.0000	8.9352	8.9352	2.7800e-003	0.0000	8.9937
Total	**0.0107**	**0.1140**	**0.0906**	**1.0000e-004**	**0.0176**	**5.9100e-003**	**0.0235**	**9.6800e-003**	**5.4400e-003**	**0.0151**	**0.0000**	**8.9352**	**8.9352**	**2.7800e-003**	**0.0000**	**8.9937**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.9000e-004	1.9700e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4120	0.4120	2.0000e-005	0.0000	0.4124
Total	**1.3000e-004**	**1.9000e-004**	**1.9700e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4120**	**0.4120**	**2.0000e-005**	**0.0000**	**0.4124**

3.5 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	0.0120	0.1243	0.0960	1.2000e-004		6.8800e-003	6.8800e-003		6.3300e-003	6.3300e-003	0.0000	10.8612	10.8612	3.3800e-003	0.0000	10.9322
Total	**0.0120**	**0.1243**	**0.0960**	**1.2000e-004**	**0.0262**	**6.8800e-003**	**0.0331**	**0.0135**	**6.3300e-003**	**0.0198**	**0.0000**	**10.8612**	**10.8612**	**3.3800e-003**	**0.0000**	**10.9322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.5000e-004	2.6300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5493	0.5493	3.0000e-005	0.0000	0.5499
Total	**1.7000e-004**	**2.5000e-004**	**2.6300e-003**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**6.6000e-004**	**1.7000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5493**	**0.5493**	**3.0000e-005**	**0.0000**	**0.5499**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0102	0.0000	0.0102	5.2500e-003	0.0000	5.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0120	0.1243	0.0960	1.2000e-004		6.8800e-003	6.8800e-003		6.3300e-003	6.3300e-003	0.0000	10.8612	10.8612	3.3800e-003	0.0000	10.9322
Total	**0.0120**	**0.1243**	**0.0960**	**1.2000e-004**	**0.0102**	**6.8800e-003**	**0.0171**	**5.2500e-003**	**6.3300e-003**	**0.0116**	**0.0000**	**10.8612**	**10.8612**	**3.3800e-003**	**0.0000**	**10.9322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.5000e-004	2.6300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5493	0.5493	3.0000e-005	0.0000	0.5499
Total	**1.7000e-004**	**2.5000e-004**	**2.6300e-003**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**6.6000e-004**	**1.7000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5493**	**0.5493**	**3.0000e-005**	**0.0000**	**0.5499**

3.6 Trenching - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.3900e-003	0.0576	0.0411	6.0000e-005		4.2200e-003	4.2200e-003		3.8900e-003	3.8900e-003	0.0000	4.9013	4.9013	1.4600e-003	0.0000	4.9320
Total	**6.3900e-003**	**0.0576**	**0.0411**	**6.0000e-005**		**4.2200e-003**	**4.2200e-003**		**3.8900e-003**	**3.8900e-003**	**0.0000**	**4.9013**	**4.9013**	**1.4600e-003**	**0.0000**	**4.9320**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.7000e-004	2.8500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5951	0.5951	3.0000e-005	0.0000	0.5957
Total	**1.8000e-004**	**2.7000e-004**	**2.8500e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5951**	**0.5951**	**3.0000e-005**	**0.0000**	**0.5957**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.3900e-003	0.0576	0.0411	6.0000e-005		4.2200e-003	4.2200e-003		3.8900e-003	3.8900e-003	0.0000	4.9013	4.9013	1.4600e-003	0.0000	4.9320
Total	**6.3900e-003**	**0.0576**	**0.0411**	**6.0000e-005**		**4.2200e-003**	**4.2200e-003**		**3.8900e-003**	**3.8900e-003**	**0.0000**	**4.9013**	**4.9013**	**1.4600e-003**	**0.0000**	**4.9320**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.7000e-004	2.8500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5951	0.5951	3.0000e-005	0.0000	0.5957
Total	**1.8000e-004**	**2.7000e-004**	**2.8500e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5951**	**0.5951**	**3.0000e-005**	**0.0000**	**0.5957**

3.7 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1188	1.0351	0.7802	1.1900e-003		0.0665	0.0665		0.0625	0.0625	0.0000	105.3625	105.3625	0.0258	0.0000	105.9040
Total	**0.1188**	**1.0351**	**0.7802**	**1.1900e-003**		**0.0665**	**0.0665**		**0.0625**	**0.0625**	**0.0000**	**105.3625**	**105.3625**	**0.0258**	**0.0000**	**105.9040**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0111	0.1039	0.1470	3.0000e-004	8.4900e-003	1.6000e-003	0.0101	2.4200e-003	1.4700e-003	3.8900e-003	0.0000	26.1507	26.1507	1.9000e-004	0.0000	26.1546
Worker	0.0101	0.0149	0.1562	4.6000e-004	0.0391	2.7000e-004	0.0394	0.0104	2.5000e-004	0.0106	0.0000	32.5937	32.5937	1.4900e-003	0.0000	32.6251
Total	**0.0211**	**0.1188**	**0.3032**	**7.6000e-004**	**0.0476**	**1.8700e-003**	**0.0494**	**0.0128**	**1.7200e-003**	**0.0145**	**0.0000**	**58.7444**	**58.7444**	**1.6800e-003**	**0.0000**	**58.7797**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1188	1.0351	0.7802	1.1900e-003		0.0665	0.0665		0.0625	0.0625	0.0000	105.3624	105.3624	0.0258	0.0000	105.9039
Total	**0.1188**	**1.0351**	**0.7802**	**1.1900e-003**		**0.0665**	**0.0665**		**0.0625**	**0.0625**	**0.0000**	**105.3624**	**105.3624**	**0.0258**	**0.0000**	**105.9039**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0111	0.1039	0.1470	3.0000e-004	8.4900e-003	1.6000e-003	0.0101	2.4200e-003	1.4700e-003	3.8900e-003	0.0000	26.1507	26.1507	1.9000e-004	0.0000	26.1546
Worker	0.0101	0.0149	0.1562	4.6000e-004	0.0391	2.7000e-004	0.0394	0.0104	2.5000e-004	0.0106	0.0000	32.5937	32.5937	1.4900e-003	0.0000	32.6251
Total	**0.0211**	**0.1188**	**0.3032**	**7.6000e-004**	**0.0476**	**1.8700e-003**	**0.0494**	**0.0128**	**1.7200e-003**	**0.0145**	**0.0000**	**58.7444**	**58.7444**	**1.6800e-003**	**0.0000**	**58.7797**

3.7 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1658	1.4780	1.2070	1.8900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	165.0566	165.0566	0.0402	0.0000	165.8999

Total	**0.1658**	**1.4780**	**1.2070**	**1.8900e-003**		**0.0906**	**0.0906**		**0.0852**	**0.0852**	**0.0000**	**165.0566**	**165.0566**	**0.0402**	**0.0000**	**165.8999**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0164	0.1526	0.2221	4.7000e-004	0.0135	2.3600e-003	0.0158	3.8400e-003	2.1700e-003	6.0100e-003	0.0000	40.8539	40.8539	3.0000e-004	0.0000	40.8602
Worker	0.0149	0.0219	0.2306	7.4000e-004	0.0619	4.3000e-004	0.0623	0.0164	4.0000e-004	0.0168	0.0000	50.0258	50.0258	2.2600e-003	0.0000	50.0732
Total	**0.0313**	**0.1745**	**0.4526**	**1.2100e-003**	**0.0754**	**2.7900e-003**	**0.0782**	**0.0203**	**2.5700e-003**	**0.0229**	**0.0000**	**90.8797**	**90.8797**	**2.5600e-003**	**0.0000**	**90.9334**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1658	1.4780	1.2070	1.8900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	165.0564	165.0564	0.0402	0.0000	165.8997
Total	**0.1658**	**1.4780**	**1.2070**	**1.8900e-003**		**0.0906**	**0.0906**		**0.0852**	**0.0852**	**0.0000**	**165.0564**	**165.0564**	**0.0402**	**0.0000**	**165.8997**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0164	0.1526	0.2221	4.7000e-004	0.0135	2.3600e-003	0.0158	3.8400e-003	2.1700e-003	6.0100e-003	0.0000	40.8539	40.8539	3.0000e-004	0.0000	40.8602
Worker	0.0149	0.0219	0.2306	7.4000e-004	0.0619	4.3000e-004	0.0623	0.0164	4.0000e-004	0.0168	0.0000	50.0258	50.0258	2.2600e-003	0.0000	50.0732
Total	**0.0313**	**0.1745**	**0.4526**	**1.2100e-003**	**0.0754**	**2.7900e-003**	**0.0782**	**0.0203**	**2.5700e-003**	**0.0229**	**0.0000**	**90.8797**	**90.8797**	**2.5600e-003**	**0.0000**	**90.9334**

3.8 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0113	0.1133	0.1093	1.7000e-004		6.4000e-003	6.4000e-003		5.9000e-003	5.9000e-003	0.0000	14.8291	14.8291	4.5600e-003	0.0000	14.9248
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0113**	**0.1133**	**0.1093**	**1.7000e-004**		**6.4000e-003**	**6.4000e-003**		**5.9000e-003**	**5.9000e-003**	**0.0000**	**14.8291**	**14.8291**	**4.5600e-003**	**0.0000**	**14.9248**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	7.0000e-004	7.3600e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.5966	1.5966	7.0000e-005	0.0000	1.5981
Total	**4.8000e-004**	**7.0000e-004**	**7.3600e-003**	**2.0000e-005**	**1.9800e-003**	**1.0000e-005**	**1.9900e-003**	**5.2000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.5966**	**1.5966**	**7.0000e-005**	**0.0000**	**1.5981**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0113	0.1133	0.1093	1.7000e-004		6.4000e-003	6.4000e-003		5.9000e-003	5.9000e-003	0.0000	14.8290	14.8290	4.5600e-003	0.0000	14.9248
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0113**	**0.1133**	**0.1093**	**1.7000e-004**		**6.4000e-003**	**6.4000e-003**		**5.9000e-003**	**5.9000e-003**	**0.0000**	**14.8290**	**14.8290**	**4.5600e-003**	**0.0000**	**14.9248**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	7.0000e-004	7.3600e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.5966	1.5966	7.0000e-005	0.0000	1.5981
Total	**4.8000e-004**	**7.0000e-004**	**7.3600e-003**	**2.0000e-005**	**1.9800e-003**	**1.0000e-005**	**1.9900e-003**	**5.2000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.5966**	**1.5966**	**7.0000e-005**	**0.0000**	**1.5981**

3.9 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8798					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4000e-003	0.0165	0.0166	3.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	2.2979	2.2979	1.9000e-004	0.0000	2.3020
Total	**0.8822**	**0.0165**	**0.0166**	**3.0000e-005**		**1.1600e-003**	**1.1600e-003**		**1.1600e-003**	**1.1600e-003**	**0.0000**	**2.2979**	**2.2979**	**1.9000e-004**	**0.0000**	**2.3020**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	5.6000e-004	5.8900e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2773	1.2773	6.0000e-005	0.0000	1.2785
Total	**3.8000e-004**	**5.6000e-004**	**5.8900e-003**	**2.0000e-005**	**1.5800e-003**	**1.0000e-005**	**1.5900e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.2773**	**1.2773**	**6.0000e-005**	**0.0000**	**1.2785**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8798					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4000e-003	0.0165	0.0166	3.0000e-005		1.1600e-003	1.1600e-003		1.1600e-003	1.1600e-003	0.0000	2.2979	2.2979	1.9000e-004	0.0000	2.3020
Total	**0.8822**	**0.0165**	**0.0166**	**3.0000e-005**		**1.1600e-003**	**1.1600e-003**		**1.1600e-003**	**1.1600e-003**	**0.0000**	**2.2979**	**2.2979**	**1.9000e-004**	**0.0000**	**2.3020**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.8000e-004	5.6000e-004	5.8900e-003	2.0000e-005	1.5800e-003	1.0000e-005	1.5900e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2773	1.2773	6.0000e-005	0.0000	1.2785
Total	**3.8000e-004**	**5.6000e-004**	**5.8900e-003**	**2.0000e-005**	**1.5800e-003**	**1.0000e-005**	**1.5900e-003**	**4.2000e-004**	**1.0000e-005**	**4.3000e-004**	**0.0000**	**1.2773**	**1.2773**	**6.0000e-005**	**0.0000**	**1.2785**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Mitigated	1.8576	4.3356	20.1171	0.0642	4.6381	0.0663	4.7044	1.2394	0.0612	1.3006	0.0000	4,439.8362	4,439.8362	0.1625	0.0000	4,443.2489
Unmitigated	1.8576	4.3356	20.1171	0.0642	4.6381	0.0663	4.7044	1.2394	0.0612	1.3006	0.0000	4,439.8362	4,439.8362	0.1625	0.0000	4,443.2489

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	5,217.77	2,131.52	229.67	12,275,608	12,275,608
Total	5,217.77	2,131.52	229.67	12,275,608	12,275,608

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.508857	0.056420	0.193204	0.150829	0.041936	0.005921	0.015893	0.015805	0.001454	0.002159	0.004747	0.000498	0.002277

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	763.1425	763.1425	0.0351	7.2600e-003	766.1291
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	763.1425	763.1425	0.0351	7.2600e-003	766.1291
NaturalGas Mitigated	0.0162	0.1476	0.1240	8.9000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	160.6423	160.6423	3.0800e-003	2.9500e-003	161.6200
NaturalGas Unmitigated	0.0162	0.1476	0.1240	8.9000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	160.6423	160.6423	3.0800e-003	2.9500e-003	161.6200

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	3.01032e+006	0.0162	0.1476	0.1240	8.9000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	160.6423	160.6423	3.0800e-003	2.9500e-003	161.6200
Total		**0.0162**	**0.1476**	**0.1240**	**8.9000e-004**		**0.0112**	**0.0112**		**0.0112**	**0.0112**	**0.0000**	**160.6423**	**160.6423**	**3.0800e-003**	**2.9500e-003**	**161.6200**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	3.01032e+006	0.0162	0.1476	0.1240	8.9000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	160.6423	160.6423	3.0800e-003	2.9500e-003	161.6200
Total		**0.0162**	**0.1476**	**0.1240**	**8.9000e-004**		**0.0112**	**0.0112**		**0.0112**	**0.0112**	**0.0000**	**160.6423**	**160.6423**	**3.0800e-003**	**2.9500e-003**	**161.6200**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	2.66677e+006	763.1425	0.0351	7.2600e-003	766.1291
Total		**763.1425**	**0.0351**	**7.2600e-003**	**766.1291**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	2.66677e+006	763.1425	0.0351	7.2600e-003	766.1291
Total		**763.1425**	**0.0351**	**7.2600e-003**	**766.1291**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9060	2.0000e-005	2.4400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7100e-003	4.7100e-003	1.0000e-005	0.0000	4.9800e-003
Unmitigated	0.9060	2.0000e-005	2.4400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7100e-003	4.7100e-003	1.0000e-005	0.0000	4.9800e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2199					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6859					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.4400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7100e-003	4.7100e-003	1.0000e-005	0.0000	4.9800e-003
Total	**0.9060**	**2.0000e-005**	**2.4400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.7100e-003**	**4.7100e-003**	**1.0000e-005**	**0.0000**	**4.9800e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2199					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6859					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Landscaping	2.3000e-004	2.0000e-005	2.4400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7100e-003	4.7100e-003	1.0000e-005	0.0000	4.9800e-003
Total	**0.9060**	**2.0000e-005**	**2.4400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.7100e-003**	**4.7100e-003**	**1.0000e-005**	**0.0000**	**4.9800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	83.9409	0.3070	7.9200e-003	92.8444
Unmitigated	83.9409	0.3071	7.9300e-003	92.8491

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	9.31 / 14.5618	83.9409	0.3071	7.9300e-003	92.8491
Total		**83.9409**	**0.3071**	**7.9300e-003**	**92.8491**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	9.31 / 14.5618	83.9409	0.3070	7.9200e-003	92.8444
Total		**83.9409**	**0.3070**	**7.9200e-003**	**92.8444**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	50.0880	2.9601	0.0000	112.2505
Unmitigated	50.0880	2.9601	0.0000	112.2505

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr			
Junior College (2Yr)	246.75	50.0880	2.9601	0.0000	112.2505
Total		**50.0880**	**2.9601**	**0.0000**	**112.2505**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	246.75	50.0880	2.9601	0.0000	112.2505
Total		**50.0880**	**2.9601**	**0.0000**	**112.2505**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 2 - Student Union

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	189.81	1000sqft	4.36	189,806.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Trips and VMT - modified

Demolition - Assuming density of pavement is 150 lbs/ft3 and pavement is 1 ft deep

Architectural Coating - modified per SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblProjectCharacteristics	OperationalYear	2014	2020

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.3440	45.6756	38.9340	0.0678	18.2675	2.3668	20.6342	9.9840	2.1774	12.1615	0.0000	6,664.3402	6,664.3402	1.2348	0.0000	6,690.2715
2019	98.0597	23.3175	23.2251	0.0444	1.0880	1.3245	2.4125	0.2923	1.2446	1.5369	0.0000	4,035.5674	4,035.5674	0.6678	0.0000	4,049.5918
Total	**102.4037**	**68.9932**	**62.1591**	**0.1122**	**19.3555**	**3.6912**	**23.0467**	**10.2764**	**3.4220**	**13.6984**	**0.0000**	**10,699.9076**	**10,699.9076**	**1.9027**	**0.0000**	**10,739.8633**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.3440	45.6756	38.9340	0.0678	7.2470	2.3668	9.6138	3.9263	2.1774	6.1038	0.0000	6,664.3402	6,664.3402	1.2348	0.0000	6,690.2714
2019	98.0597	23.3175	23.2251	0.0444	1.0880	1.3245	2.4125	0.2923	1.2446	1.5369	0.0000	4,035.5674	4,035.5674	0.6678	0.0000	4,049.5918
Total	**102.4037**	**68.9932**	**62.1591**	**0.1122**	**8.3350**	**3.6912**	**12.0263**	**4.2187**	**3.4220**	**7.6407**	**0.0000**	**10,699.9076**	**10,699.9076**	**1.9027**	**0.0000**	**10,739.8632**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**56.94**	**0.00**	**47.82**	**58.95**	**0.00**	**44.22**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Energy	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Mobile	13.1673	28.4349	141.8112	0.4686	33.3045	0.4677	33.7722	8.8870	0.4317	9.3187		35,678.0239	35,678.0239	1.2648		35,704.5837
Total	**18.2213**	**29.2437**	**142.5099**	**0.4734**	**33.3045**	**0.5292**	**33.8337**	**8.8870**	**0.4932**	**9.3802**		**36,648.3549**	**36,648.3549**	**1.2835**	**0.0178**	**36,680.8221**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Energy	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Mobile	13.1673	28.4349	141.8112	0.4686	33.3045	0.4677	33.7722	8.8870	0.4317	9.3187		35,678.0239	35,678.0239	1.2648		35,704.5837
Total	**18.2213**	**29.2437**	**142.5099**	**0.4734**	**33.3045**	**0.5292**	**33.8337**	**8.8870**	**0.4932**	**9.3802**		**36,648.3549**	**36,648.3549**	**1.2835**	**0.0178**	**36,680.8221**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - Pavement Removal	Demolition	6/1/2018	6/28/2018	5	20	
2	Demolition	Demolition	6/29/2018	7/26/2018	5	20	
3	Site Preparation	Site Preparation	7/27/2018	8/2/2018	5	5	
4	Grading	Grading	8/3/2018	8/14/2018	5	8	
5	Trenching	Trenching	8/15/2018	8/28/2018	5	10	
6	Building Construction	Building Construction	8/29/2018	7/16/2019	5	230	
7	Paving	Paving	7/17/2019	8/9/2019	5	18	
8	Architectural Coating	Architectural Coating	8/10/2019	9/4/2019	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 284,709; Non-Residential Outdoor: 94,903 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Demolition - Pavement Removal	Concrete/Industrial Saws	1	8.00	81	0.73
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition - Pavement Removal	Excavators	3	8.00	162	0.38
Demolition - Pavement Removal	Rubber Tired Dozers	2	8.00	255	0.40
Trenching	Trenchers	2	8.00	80	0.50
Trenching	Plate Compactors	2	8.00	8	0.43
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73

Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - Pavement Removal	6	15.00	0.00	704.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	80.00	31.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	292.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - Pavement Removal - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6159	0.0000	7.6159	1.1531	0.0000	1.1531			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856		3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**7.6159**	**1.8090**	**9.4249**	**1.1531**	**1.6856**	**2.8387**		**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5885	8.2571	6.5211	0.0258	0.6134	0.1334	0.7468	0.1680	0.1227	0.2907		2,523.5321	2,523.5321	0.0184		2,523.9192
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254
Total	**0.6318**	**8.3129**	**7.2090**	**0.0279**	**0.7810**	**0.1345**	**0.9156**	**0.2124**	**0.1238**	**0.3362**		**2,681.0120**	**2,681.0120**	**0.0254**		**2,681.5447**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9702	0.0000	2.9702	0.4497	0.0000	0.4497			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856	0.0000	3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**2.9702**	**1.8090**	**4.7792**	**0.4497**	**1.6856**	**2.1353**	**0.0000**	**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.5885	8.2571	6.5211	0.0258	0.6134	0.1334	0.7468	0.1680	0.1227	0.2907		2,523.5321	2,523.5321	0.0184		2,523.9192
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254
Total	**0.6318**	**8.3129**	**7.2090**	**0.0279**	**0.7810**	**0.1345**	**0.9156**	**0.2124**	**0.1238**	**0.3362**		**2,681.0120**	**2,681.0120**	**0.0254**		**2,681.5447**

3.3 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1562	0.0000	3.1562	0.4779	0.0000	0.4779			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856		3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**3.1562**	**1.8090**	**4.9651**	**0.4779**	**1.6856**	**2.1635**		**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2441	3.4248	2.7048	0.0107	0.2544	0.0553	0.3097	0.0697	0.0509	0.1206		1,046.6923	1,046.6923	7.6500e-003		1,046.8529
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254

Total	**0.2874**	**3.4806**	**3.3927**	**0.0128**	**0.4221**	**0.0565**	**0.4785**	**0.1141**	**0.0520**	**0.1661**		**1,204.1722**	**1,204.1722**	**0.0146**		**1,204.4783**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2309	0.0000	1.2309	0.1864	0.0000	0.1864			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856	0.0000	3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**1.2309**	**1.8090**	**3.0399**	**0.1864**	**1.6856**	**1.8720**	**0.0000**	**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2441	3.4248	2.7048	0.0107	0.2544	0.0553	0.3097	0.0697	0.0509	0.1206		1,046.6923	1,046.6923	7.6500e-003		1,046.8529
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254
Total	**0.2874**	**3.4806**	**3.3927**	**0.0128**	**0.4221**	**0.0565**	**0.4785**	**0.1141**	**0.0520**	**0.1661**		**1,204.1722**	**1,204.1722**	**0.0146**		**1,204.4783**

3.4 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762		3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**		**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0519	0.0669	0.8255	2.4400e-003	0.2012	1.3600e-003	0.2026	0.0534	1.2600e-003	0.0546		188.9759	188.9759	8.3200e-003		189.1505
Total	**0.0519**	**0.0669**	**0.8255**	**2.4400e-003**	**0.2012**	**1.3600e-003**	**0.2026**	**0.0534**	**1.2600e-003**	**0.0546**		**188.9759**	**188.9759**	**8.3200e-003**		**189.1505**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762	0.0000	3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**7.0458**	**2.3654**	**9.4113**	**3.8730**	**2.1762**	**6.0491**	**0.0000**	**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0519	0.0669	0.8255	2.4400e-003	0.2012	1.3600e-003	0.2026	0.0534	1.2600e-003	0.0546		188.9759	188.9759	8.3200e-003		189.1505
Total	**0.0519**	**0.0669**	**0.8255**	**2.4400e-003**	**0.2012**	**1.3600e-003**	**0.2026**	**0.0534**	**1.2600e-003**	**0.0546**		**188.9759**	**188.9759**	**8.3200e-003**		**189.1505**

3.5 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825		2,993.1005	2,993.1005	0.9318		3,012.6681
Total	**3.0028**	**31.0702**	**23.9988**	**0.0297**	**6.5523**	**1.7201**	**8.2724**	**3.3675**	**1.5825**	**4.9500**		**2,993.1005**	**2,993.1005**	**0.9318**		**3,012.6681**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254
Total	**0.0433**	**0.0557**	**0.6879**	**2.0300e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0500e-003**	**0.0455**		**157.4799**	**157.4799**	**6.9300e-003**		**157.6254**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825	0.0000	2,993.1005	2,993.1005	0.9318		3,012.6681
Total	**3.0028**	**31.0702**	**23.9988**	**0.0297**	**2.5554**	**1.7201**	**4.2755**	**1.3133**	**1.5825**	**2.8958**	**0.0000**	**2,993.1005**	**2,993.1005**	**0.9318**		**3,012.6681**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254
Total	**0.0433**	**0.0557**	**0.6879**	**2.0300e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0500e-003**	**0.0455**		**157.4799**	**157.4799**	**6.9300e-003**		**157.6254**

3.6 Trenching - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2784	11.5096	8.2146	0.0110		0.8431	0.8431		0.7773	0.7773		1,080.5613	1,080.5613	0.3221		1,087.3251
Total	**1.2784**	**11.5096**	**8.2146**	**0.0110**		**0.8431**	**0.8431**		**0.7773**	**0.7773**		**1,080.5613**	**1,080.5613**	**0.3221**		**1,087.3251**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0375	0.0483	0.5962	1.7600e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		136.4826	136.4826	6.0100e-003		136.6087

Total	**0.0375**	**0.0483**	**0.5962**	**1.7600e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**136.4826**	**136.4826**	**6.0100e-003**		**136.6087**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2784	11.5096	8.2146	0.0110		0.8431	0.8431		0.7773	0.7773	0.0000	1,080.5613	1,080.5613	0.3221		1,087.3251
Total	**1.2784**	**11.5096**	**8.2146**	**0.0110**		**0.8431**	**0.8431**		**0.7773**	**0.7773**	**0.0000**	**1,080.5613**	**1,080.5613**	**0.3221**		**1,087.3251**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0375	0.0483	0.5962	1.7600e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		136.4826	136.4826	6.0100e-003		136.6087
Total	**0.0375**	**0.0483**	**0.5962**	**1.7600e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**136.4826**	**136.4826**	**6.0100e-003**		**136.6087**

3.7 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**		**2,609.9390**	**2,609.9390**	**0.6387**		**2,623.3517**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2342	2.2395	2.8297	6.6900e-003	0.1938	0.0357	0.2295	0.0552	0.0329	0.0881		650.0929	650.0929	4.6000e-003		650.1895
Worker	0.2307	0.2971	3.6687	0.0109	0.8942	6.0400e-003	0.9003	0.2372	5.5900e-003	0.2427		839.8927	839.8927	0.0370		840.6689
Total	**0.4648**	**2.5366**	**6.4984**	**0.0175**	**1.0880**	**0.0418**	**1.1298**	**0.2923**	**0.0385**	**0.3308**		**1,489.9856**	**1,489.9856**	**0.0416**		**1,490.8584**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**	**0.0000**	**2,609.9389**	**2,609.9389**	**0.6387**		**2,623.3517**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2342	2.2395	2.8297	6.6900e-003	0.1938	0.0357	0.2295	0.0552	0.0329	0.0881		650.0929	650.0929	4.6000e-003		650.1895
Worker	0.2307	0.2971	3.6687	0.0109	0.8942	6.0400e-003	0.9003	0.2372	5.5900e-003	0.2427		839.8927	839.8927	0.0370		840.6689
Total	**0.4648**	**2.5366**	**6.4984**	**0.0175**	**1.0880**	**0.0418**	**1.1298**	**0.2923**	**0.0385**	**0.3308**		**1,489.9856**	**1,489.9856**	**0.0416**		**1,490.8584**

3.7 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**		**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2196	2.0771	2.6797	6.7000e-003	0.1938	0.0333	0.2271	0.0552	0.0307	0.0859		641.0554	641.0554	4.6300e-003		641.1526
Worker	0.2158	0.2754	3.4250	0.0109	0.8942	6.0900e-003	0.9003	0.2372	5.6400e-003	0.2428		813.7503	813.7503	0.0353		814.4913
Total	**0.4354**	**2.3525**	**6.1047**	**0.0176**	**1.0880**	**0.0394**	**1.1274**	**0.2923**	**0.0363**	**0.3287**		**1,454.8057**	**1,454.8057**	**0.0399**		**1,455.6439**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**	**0.0000**	**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2196	2.0771	2.6797	6.7000e-003	0.1938	0.0333	0.2271	0.0552	0.0307	0.0859		641.0554	641.0554	4.6300e-003		641.1526
Worker	0.2158	0.2754	3.4250	0.0109	0.8942	6.0900e-003	0.9003	0.2372	5.6400e-003	0.2428		813.7503	813.7503	0.0353		814.4913
Total	**0.4354**	**2.3525**	**6.1047**	**0.0176**	**1.0880**	**0.0394**	**1.1274**	**0.2923**	**0.0363**	**0.3287**		**1,454.8057**	**1,454.8057**	**0.0399**		**1,455.6439**

3.8 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560		1,816.2490	1,816.2490	0.5585		1,827.9782
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2520**	**12.5889**	**12.1441**	**0.0187**		**0.7111**	**0.7111**		**0.6560**	**0.6560**		**1,816.2490**	**1,816.2490**	**0.5585**		**1,827.9782**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0688	0.8563	2.7300e-003	0.2236	1.5200e-003	0.2251	0.0593	1.4100e-003	0.0607		203.4376	203.4376	8.8200e-003		203.6228

Total	**0.0540**	**0.0688**	**0.8563**	**2.7300e-003**	**0.2236**	**1.5200e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**203.4376**	**203.4376**	**8.8200e-003**		**203.6228**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560	0.0000	1,816.2490	1,816.2490	0.5585		1,827.9782
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2520**	**12.5889**	**12.1441**	**0.0187**		**0.7111**	**0.7111**		**0.6560**	**0.6560**	**0.0000**	**1,816.2490**	**1,816.2490**	**0.5585**		**1,827.9782**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0688	0.8563	2.7300e-003	0.2236	1.5200e-003	0.2251	0.0593	1.4100e-003	0.0607		203.4376	203.4376	8.8200e-003		203.6228
Total	**0.0540**	**0.0688**	**0.8563**	**2.7300e-003**	**0.2236**	**1.5200e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**203.4376**	**203.4376**	**8.8200e-003**		**203.6228**

3.9 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	97.7501					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	**98.0165**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**281.9473**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0432	0.0551	0.6850	2.1800e-003	0.1788	1.2200e-003	0.1801	0.0474	1.1300e-003	0.0486		162.7501	162.7501	7.0600e-003		162.8983
Total	**0.0432**	**0.0551**	**0.6850**	**2.1800e-003**	**0.1788**	**1.2200e-003**	**0.1801**	**0.0474**	**1.1300e-003**	**0.0486**		**162.7501**	**162.7501**	**7.0600e-003**		**162.8983**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	97.7501					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	**98.0165**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**281.9473**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0432	0.0551	0.6850	2.1800e-003	0.1788	1.2200e-003	0.1801	0.0474	1.1300e-003	0.0486		162.7501	162.7501	7.0600e-003		162.8983
Total	**0.0432**	**0.0551**	**0.6850**	**2.1800e-003**	**0.1788**	**1.2200e-003**	**0.1801**	**0.0474**	**1.1300e-003**	**0.0486**		**162.7501**	**162.7501**	**7.0600e-003**		**162.8983**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	13.1673	28.4349	141.8112	0.4686	33.3045	0.4677	33.7722	8.8870	0.4317	9.3187		35,678.0239	35,678.0239	1.2648		35,704.5837
Unmitigated	13.1673	28.4349	141.8112	0.4686	33.3045	0.4677	33.7722	8.8870	0.4317	9.3187		35,678.0239	35,678.0239	1.2648		35,704.5837

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	5,217.77	2,131.52	229.67	12,275,608	12,275,608
Total	5,217.77	2,131.52	229.67	12,275,608	12,275,608

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.508857	0.056420	0.193204	0.150829	0.041936	0.005921	0.015893	0.015805	0.001454	0.002159	0.004747	0.000498	0.002277

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
NaturalGas Unmitigated	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	8247.46	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Total		**0.0889**	**0.8086**	**0.6792**	**4.8500e-003**		**0.0615**	**0.0615**		**0.0615**	**0.0615**		**970.2895**	**970.2895**	**0.0186**	**0.0178**	**976.1945**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	8.24746	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Total		**0.0889**	**0.8086**	**0.6792**	**4.8500e-003**		**0.0615**	**0.0615**		**0.0615**	**0.0615**		**970.2895**	**970.2895**	**0.0186**	**0.0178**	**976.1945**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Unmitigated	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2051					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8300e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Total	**4.9651**	**1.8000e-004**	**0.0195**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**		**0.0415**	**0.0415**	**1.1000e-004**		**0.0439**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Consumer Products	3.7582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8300e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439

Architectural Coating	1.2051					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.9651**	**1.8000e-004**	**0.0195**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**		**0.0415**	**0.0415**	**1.1000e-004**		**0.0439**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 2 - Student Union

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	189.81	1000sqft	4.36	189,806.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Trips and VMT - modified

Demolition - Assuming density of pavement is 150 lbs/ft3 and pavement is 1 ft deep

Architectural Coating - modified per SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblProjectCharacteristics	OperationalYear	2014	2020

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.3466	45.6823	39.9371	0.0677	18.2675	2.3668	20.6342	9.9840	2.1774	12.1615	0.0000	6,649.9696	6,649.9696	1.2348	0.0000	6,675.9009
2019	98.0618	23.3907	23.6218	0.0438	1.0880	1.3248	2.4128	0.2923	1.2449	1.5372	0.0000	3,986.9241	3,986.9241	0.6680	0.0000	4,000.9517
Total	**102.4084**	**69.0730**	**63.5589**	**0.1114**	**19.3555**	**3.6916**	**23.0470**	**10.2764**	**3.4223**	**13.6987**	**0.0000**	**10,636.8937**	**10,636.8937**	**1.9028**	**0.0000**	**10,676.8525**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.3466	45.6823	39.9371	0.0677	7.2470	2.3668	9.6138	3.9263	2.1774	6.1038	0.0000	6,649.9696	6,649.9696	1.2348	0.0000	6,675.9009
2019	98.0618	23.3907	23.6218	0.0438	1.0880	1.3248	2.4128	0.2923	1.2449	1.5372	0.0000	3,986.9241	3,986.9241	0.6680	0.0000	4,000.9517
Total	**102.4084**	**69.0730**	**63.5589**	**0.1114**	**8.3350**	**3.6916**	**12.0266**	**4.2187**	**3.4223**	**7.6410**	**0.0000**	**10,636.8937**	**10,636.8937**	**1.9028**	**0.0000**	**10,676.8525**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**56.94**	**0.00**	**47.82**	**58.95**	**0.00**	**44.22**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Energy	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Mobile	13.8819	30.0031	141.1798	0.4474	33.3045	0.4692	33.7737	8.8870	0.4331	9.3201		34,139.2147	34,139.2147	1.2656		34,165.7932
Total	**18.9360**	**30.8118**	**141.8785**	**0.4523**	**33.3045**	**0.5307**	**33.8352**	**8.8870**	**0.4946**	**9.3816**		**35,109.5457**	**35,109.5457**	**1.2844**	**0.0178**	**35,142.0316**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Energy	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Mobile	13.8819	30.0031	141.1798	0.4474	33.3045	0.4692	33.7737	8.8870	0.4331	9.3201		34,139.2147	34,139.2147	1.2656		34,165.7932
Total	**18.9360**	**30.8118**	**141.8785**	**0.4523**	**33.3045**	**0.5307**	**33.8352**	**8.8870**	**0.4946**	**9.3816**		**35,109.5457**	**35,109.5457**	**1.2844**	**0.0178**	**35,142.0316**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - Pavement Removal	Demolition	6/1/2018	6/28/2018	5	20	
2	Demolition	Demolition	6/29/2018	7/26/2018	5	20	
3	Site Preparation	Site Preparation	7/27/2018	8/2/2018	5	5	
4	Grading	Grading	8/3/2018	8/14/2018	5	8	
5	Trenching	Trenching	8/15/2018	8/28/2018	5	10	
6	Building Construction	Building Construction	8/29/2018	7/16/2019	5	230	
7	Paving	Paving	7/17/2019	8/9/2019	5	18	
8	Architectural Coating	Architectural Coating	8/10/2019	9/4/2019	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 284,709; Non-Residential Outdoor: 94,903 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Demolition - Pavement Removal	Concrete/Industrial Saws	1	8.00	81	0.73
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition - Pavement Removal	Excavators	3	8.00	162	0.38
Demolition - Pavement Removal	Rubber Tired Dozers	2	8.00	255	0.40
Trenching	Trenchers	2	8.00	80	0.50
Trenching	Plate Compactors	2	8.00	8	0.43
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73

Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - Pavement Removal	6	15.00	0.00	704.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	80.00	31.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	292.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - Pavement Removal - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6159	0.0000	7.6159	1.1531	0.0000	1.1531			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856		3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**7.6159**	**1.8090**	**9.4249**	**1.1531**	**1.6856**	**2.8387**		**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6236	8.5390	7.5681	0.0258	0.6134	0.1337	0.7471	0.1680	0.1230	0.2910		2,517.5076	2,517.5076	0.0187		2,517.9002
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794
Total	**0.6690**	**8.6003**	**8.2121**	**0.0277**	**0.7810**	**0.1348**	**0.9159**	**0.2124**	**0.1240**	**0.3365**		**2,666.6414**	**2,666.6414**	**0.0256**		**2,667.1796**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9702	0.0000	2.9702	0.4497	0.0000	0.4497			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856	0.0000	3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**2.9702**	**1.8090**	**4.7792**	**0.4497**	**1.6856**	**2.1353**	**0.0000**	**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.6236	8.5390	7.5681	0.0258	0.6134	0.1337	0.7471	0.1680	0.1230	0.2910		2,517.5076	2,517.5076	0.0187		2,517.9002
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794
Total	**0.6690**	**8.6003**	**8.2121**	**0.0277**	**0.7810**	**0.1348**	**0.9159**	**0.2124**	**0.1240**	**0.3365**		**2,666.6414**	**2,666.6414**	**0.0256**		**2,667.1796**

3.3 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1562	0.0000	3.1562	0.4779	0.0000	0.4779			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856		3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**3.1562**	**1.8090**	**4.9651**	**0.4779**	**1.6856**	**2.1635**		**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2586	3.5418	3.1390	0.0107	0.2544	0.0555	0.3099	0.0697	0.0510	0.1207		1,044.1935	1,044.1935	7.7500e-003		1,044.3563
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794

Total	**0.3040**	**3.6030**	**3.7831**	**0.0126**	**0.4221**	**0.0566**	**0.4787**	**0.1141**	**0.0521**	**0.1662**		**1,193.3273**	**1,193.3273**	**0.0147**		**1,193.6357**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2309	0.0000	1.2309	0.1864	0.0000	0.1864			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856	0.0000	3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**1.2309**	**1.8090**	**3.0399**	**0.1864**	**1.6856**	**1.8720**	**0.0000**	**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2586	3.5418	3.1390	0.0107	0.2544	0.0555	0.3099	0.0697	0.0510	0.1207		1,044.1935	1,044.1935	7.7500e-003		1,044.3563
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794
Total	**0.3040**	**3.6030**	**3.7831**	**0.0126**	**0.4221**	**0.0566**	**0.4787**	**0.1141**	**0.0521**	**0.1662**		**1,193.3273**	**1,193.3273**	**0.0147**		**1,193.6357**

3.4 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762		3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**		**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0545	0.0735	0.7728	2.3100e-003	0.2012	1.3600e-003	0.2026	0.0534	1.2600e-003	0.0546		178.9606	178.9606	8.3200e-003		179.1353
Total	**0.0545**	**0.0735**	**0.7728**	**2.3100e-003**	**0.2012**	**1.3600e-003**	**0.2026**	**0.0534**	**1.2600e-003**	**0.0546**		**178.9606**	**178.9606**	**8.3200e-003**		**179.1353**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762	0.0000	3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**7.0458**	**2.3654**	**9.4113**	**3.8730**	**2.1762**	**6.0491**	**0.0000**	**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0545	0.0735	0.7728	2.3100e-003	0.2012	1.3600e-003	0.2026	0.0534	1.2600e-003	0.0546		178.9606	178.9606	8.3200e-003		179.1353
Total	**0.0545**	**0.0735**	**0.7728**	**2.3100e-003**	**0.2012**	**1.3600e-003**	**0.2026**	**0.0534**	**1.2600e-003**	**0.0546**		**178.9606**	**178.9606**	**8.3200e-003**		**179.1353**

3.5 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825		2,993.1005	2,993.1005	0.9318		3,012.6681
Total	**3.0028**	**31.0702**	**23.9988**	**0.0297**	**6.5523**	**1.7201**	**8.2724**	**3.3675**	**1.5825**	**4.9500**		**2,993.1005**	**2,993.1005**	**0.9318**		**3,012.6681**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794
Total	**0.0454**	**0.0613**	**0.6440**	**1.9300e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0500e-003**	**0.0455**		**149.1338**	**149.1338**	**6.9300e-003**		**149.2794**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825	0.0000	2,993.1005	2,993.1005	0.9318		3,012.6681
Total	**3.0028**	**31.0702**	**23.9988**	**0.0297**	**2.5554**	**1.7201**	**4.2755**	**1.3133**	**1.5825**	**2.8958**	**0.0000**	**2,993.1005**	**2,993.1005**	**0.9318**		**3,012.6681**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794
Total	**0.0454**	**0.0613**	**0.6440**	**1.9300e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0500e-003**	**0.0455**		**149.1338**	**149.1338**	**6.9300e-003**		**149.2794**

3.6 Trenching - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2784	11.5096	8.2146	0.0110		0.8431	0.8431		0.7773	0.7773		1,080.5613	1,080.5613	0.3221		1,087.3251
Total	**1.2784**	**11.5096**	**8.2146**	**0.0110**		**0.8431**	**0.8431**		**0.7773**	**0.7773**		**1,080.5613**	**1,080.5613**	**0.3221**		**1,087.3251**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0531	0.5582	1.6700e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		129.2493	129.2493	6.0100e-003		129.3755

Total	**0.0393**	**0.0531**	**0.5582**	**1.6700e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**129.2493**	**129.2493**	**6.0100e-003**		**129.3755**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2784	11.5096	8.2146	0.0110		0.8431	0.8431		0.7773	0.7773	0.0000	1,080.5613	1,080.5613	0.3221		1,087.3251
Total	**1.2784**	**11.5096**	**8.2146**	**0.0110**		**0.8431**	**0.8431**		**0.7773**	**0.7773**	**0.0000**	**1,080.5613**	**1,080.5613**	**0.3221**		**1,087.3251**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0531	0.5582	1.6700e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		129.2493	129.2493	6.0100e-003		129.3755
Total	**0.0393**	**0.0531**	**0.5582**	**1.6700e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**129.2493**	**129.2493**	**6.0100e-003**		**129.3755**

3.7 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**		**2,609.9390**	**2,609.9390**	**0.6387**		**2,623.3517**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2577	2.2899	3.4569	6.6400e-003	0.1938	0.0361	0.2299	0.0552	0.0332	0.0884		644.5848	644.5848	4.7500e-003		644.6845
Worker	0.2421	0.3267	3.4348	0.0103	0.8942	6.0400e-003	0.9003	0.2372	5.5900e-003	0.2427		795.3805	795.3805	0.0370		796.1568
Total	**0.4998**	**2.6166**	**6.8917**	**0.0169**	**1.0880**	**0.0421**	**1.1301**	**0.2923**	**0.0388**	**0.3311**		**1,439.9653**	**1,439.9653**	**0.0417**		**1,440.8413**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**	**0.0000**	**2,609.9389**	**2,609.9389**	**0.6387**		**2,623.3517**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2577	2.2899	3.4569	6.6400e-003	0.1938	0.0361	0.2299	0.0552	0.0332	0.0884		644.5848	644.5848	4.7500e-003		644.6845
Worker	0.2421	0.3267	3.4348	0.0103	0.8942	6.0400e-003	0.9003	0.2372	5.5900e-003	0.2427		795.3805	795.3805	0.0370		796.1568
Total	**0.4998**	**2.6166**	**6.8917**	**0.0169**	**1.0880**	**0.0421**	**1.1301**	**0.2923**	**0.0388**	**0.3311**		**1,439.9653**	**1,439.9653**	**0.0417**		**1,440.8413**

3.7 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**		**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2404	2.1229	3.3034	6.6500e-003	0.1938	0.0337	0.2274	0.0552	0.0310	0.0862		635.6297	635.6297	4.7800e-003		635.7301
Worker	0.2263	0.3028	3.1981	0.0103	0.8942	6.0900e-003	0.9003	0.2372	5.6400e-003	0.2428		770.5326	770.5326	0.0353		771.2736
Total	**0.4667**	**2.4256**	**6.5015**	**0.0170**	**1.0880**	**0.0398**	**1.1277**	**0.2923**	**0.0366**	**0.3289**		**1,406.1623**	**1,406.1623**	**0.0401**		**1,407.0038**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**	**0.0000**	**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2404	2.1229	3.3034	6.6500e-003	0.1938	0.0337	0.2274	0.0552	0.0310	0.0862		635.6297	635.6297	4.7800e-003		635.7301
Worker	0.2263	0.3028	3.1981	0.0103	0.8942	6.0900e-003	0.9003	0.2372	5.6400e-003	0.2428		770.5326	770.5326	0.0353		771.2736
Total	**0.4667**	**2.4256**	**6.5015**	**0.0170**	**1.0880**	**0.0398**	**1.1277**	**0.2923**	**0.0366**	**0.3289**		**1,406.1623**	**1,406.1623**	**0.0401**		**1,407.0038**

3.8 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560		1,816.2490	1,816.2490	0.5585		1,827.9782
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2520**	**12.5889**	**12.1441**	**0.0187**		**0.7111**	**0.7111**		**0.6560**	**0.6560**		**1,816.2490**	**1,816.2490**	**0.5585**		**1,827.9782**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0757	0.7995	2.5800e-003	0.2236	1.5200e-003	0.2251	0.0593	1.4100e-003	0.0607		192.6332	192.6332	8.8200e-003		192.8184

Total	**0.0566**	**0.0757**	**0.7995**	**2.5800e-003**	**0.2236**	**1.5200e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**192.6332**	**192.6332**	**8.8200e-003**		**192.8184**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560	0.0000	1,816.2490	1,816.2490	0.5585		1,827.9782
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2520**	**12.5889**	**12.1441**	**0.0187**		**0.7111**	**0.7111**		**0.6560**	**0.6560**	**0.0000**	**1,816.2490**	**1,816.2490**	**0.5585**		**1,827.9782**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0757	0.7995	2.5800e-003	0.2236	1.5200e-003	0.2251	0.0593	1.4100e-003	0.0607		192.6332	192.6332	8.8200e-003		192.8184
Total	**0.0566**	**0.0757**	**0.7995**	**2.5800e-003**	**0.2236**	**1.5200e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**192.6332**	**192.6332**	**8.8200e-003**		**192.8184**

3.9 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	97.7501					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	**98.0165**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**281.9473**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0453	0.0606	0.6396	2.0600e-003	0.1788	1.2200e-003	0.1801	0.0474	1.1300e-003	0.0486		154.1065	154.1065	7.0600e-003		154.2547
Total	**0.0453**	**0.0606**	**0.6396**	**2.0600e-003**	**0.1788**	**1.2200e-003**	**0.1801**	**0.0474**	**1.1300e-003**	**0.0486**		**154.1065**	**154.1065**	**7.0600e-003**		**154.2547**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	97.7501					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	**98.0165**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**281.9473**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0453	0.0606	0.6396	2.0600e-003	0.1788	1.2200e-003	0.1801	0.0474	1.1300e-003	0.0486		154.1065	154.1065	7.0600e-003		154.2547
Total	**0.0453**	**0.0606**	**0.6396**	**2.0600e-003**	**0.1788**	**1.2200e-003**	**0.1801**	**0.0474**	**1.1300e-003**	**0.0486**		**154.1065**	**154.1065**	**7.0600e-003**		**154.2547**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	13.8819	30.0031	141.1798	0.4474	33.3045	0.4692	33.7737	8.8870	0.4331	9.3201		34,139.2147	34,139.2147	1.2656		34,165.7932
Unmitigated	13.8819	30.0031	141.1798	0.4474	33.3045	0.4692	33.7737	8.8870	0.4331	9.3201		34,139.2147	34,139.2147	1.2656		34,165.7932

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	5,217.77	2,131.52	229.67	12,275,608	12,275,608
Total	5,217.77	2,131.52	229.67	12,275,608	12,275,608

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.508857	0.056420	0.193204	0.150829	0.041936	0.005921	0.015893	0.015805	0.001454	0.002159	0.004747	0.000498	0.002277

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
NaturalGas Unmitigated	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	8247.46	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Total		**0.0889**	**0.8086**	**0.6792**	**4.8500e-003**		**0.0615**	**0.0615**		**0.0615**	**0.0615**		**970.2895**	**970.2895**	**0.0186**	**0.0178**	**976.1945**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	8.24746	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Total		**0.0889**	**0.8086**	**0.6792**	**4.8500e-003**		**0.0615**	**0.0615**		**0.0615**	**0.0615**		**970.2895**	**970.2895**	**0.0186**	**0.0178**	**976.1945**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Unmitigated	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2051					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8300e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Total	**4.9651**	**1.8000e-004**	**0.0195**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**		**0.0415**	**0.0415**	**1.1000e-004**		**0.0439**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Consumer Products	3.7582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8300e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439

Architectural Coating	1.2051					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.9651**	**1.8000e-004**	**0.0195**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**		**0.0415**	**0.0415**	**1.1000e-004**		**0.0439**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 1 - Watson Hall Renovation

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	58.60	1000sqft	0.33	58,603.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2018
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Modified

Construction Phase - modified to reflect arch coating for 58,603 gsf

Off-road Equipment -

Off-road Equipment - modified

Demolition -

Architectural Coating - Modified per SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	5.00	10.00

tblLandUse	LandUseSquareFeet	58,600.00	58,603.00
tblLandUse	LotAcreage	1.35	0.33
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblProjectCharacteristics	OperationalYear	2014	2018

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.3816	0.9147	0.6906	1.0800e-003	0.0171	0.0608	0.0779	4.6000e-003	0.0570	0.0616	0.0000	95.9887	95.9887	0.0194	0.0000	96.3961
Total	**0.3816**	**0.9147**	**0.6906**	**1.0800e-003**	**0.0171**	**0.0608**	**0.0779**	**4.6000e-003**	**0.0570**	**0.0616**	**0.0000**	**95.9887**	**95.9887**	**0.0194**	**0.0000**	**96.3961**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2016	0.3816	0.9147	0.6906	1.0800e-003	0.0171	0.0608	0.0779	4.6000e-003	0.0570	0.0616	0.0000	95.9886	95.9886	0.0194	0.0000	96.3960
Total	**0.3816**	**0.9147**	**0.6906**	**1.0800e-003**	**0.0171**	**0.0608**	**0.0779**	**4.6000e-003**	**0.0570**	**0.0616**	**0.0000**	**95.9886**	**95.9886**	**0.0194**	**0.0000**	**96.3960**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2797	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4500e-003	1.4500e-003	0.0000	0.0000	1.5400e-003
Energy	5.0100e-003	0.0456	0.0383	2.7000e-004		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	285.2205	285.2205	0.0118	3.1500e-003	286.4445
Mobile	0.6331	1.5584	7.0043	0.0197	1.4317	0.0216	1.4533	0.3826	0.0199	0.4024	0.0000	1,456.4354	1,456.4354	0.0552	0.0000	1,457.5940
Waste						0.0000	0.0000		0.0000	0.0000	15.4639	0.0000	15.4639	0.9139	0.0000	34.6555
Water						0.0000	0.0000		0.0000	0.0000	0.9119	25.0032	25.9150	0.0948	2.4500e-003	28.6653
Total	**0.9179**	**1.6039**	**7.0434**	**0.0200**	**1.4317**	**0.0250**	**1.4567**	**0.3826**	**0.0233**	**0.4059**	**16.3757**	**1,766.6606**	**1,783.0363**	**1.0757**	**5.6000e-003**	**1,807.3608**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2797	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4500e-003	1.4500e-003	0.0000	0.0000	1.5400e-003

Energy	5.0100e-003	0.0456	0.0383	2.7000e-004		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	285.2205	285.2205	0.0118	3.1500e-003	286.4445
Mobile	0.6331	1.5584	7.0043	0.0197	1.4317	0.0216	1.4533	0.3826	0.0199	0.4024	0.0000	1,456.4354	1,456.4354	0.0552	0.0000	1,457.5940
Waste						0.0000	0.0000		0.0000	0.0000	15.4639	0.0000	15.4639	0.9139	0.0000	34.6555
Water						0.0000	0.0000		0.0000	0.0000	0.9119	25.0032	25.9150	0.0948	2.4500e-003	28.6638
Total	**0.9179**	**1.6039**	**7.0434**	**0.0200**	**1.4317**	**0.0250**	**1.4567**	**0.3826**	**0.0233**	**0.4059**	**16.3757**	**1,766.6606**	**1,783.0363**	**1.0756**	**5.6000e-003**	**1,807.3593**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	8/1/2016	12/16/2016	5	100	
2	Architectural Coating	Architectural Coating	12/17/2016	12/30/2016	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,905; Non-Residential Outdoor: 29,302 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Welders	1	4.00	46	0.45
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

Building Construction	Generator Sets	1	4.00	84	0.74
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	25.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0991	0.8512	0.5549	7.9000e-004		0.0590	0.0590		0.0553	0.0553	0.0000	72.2941	72.2941	0.0186	0.0000	72.6838
Total	**0.0991**	**0.8512**	**0.5549**	**7.9000e-004**		**0.0590**	**0.0590**		**0.0553**	**0.0553**	**0.0000**	**72.2941**	**72.2941**	**0.0186**	**0.0000**	**72.6838**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6700e-003	0.0451	0.0590	1.1000e-004	3.0800e-003	6.9000e-004	3.7700e-003	8.8000e-004	6.3000e-004	1.5100e-003	0.0000	9.8017	9.8017	7.0000e-005	0.0000	9.8032
Worker	4.2700e-003	6.3300e-003	0.0660	1.6000e-004	0.0137	1.0000e-004	0.0138	3.6400e-003	9.0000e-005	3.7300e-003	0.0000	12.3689	12.3689	6.1000e-004	0.0000	12.3816
Total	**8.9400e-003**	**0.0515**	**0.1249**	**2.7000e-004**	**0.0168**	**7.9000e-004**	**0.0176**	**4.5200e-003**	**7.2000e-004**	**5.2400e-003**	**0.0000**	**22.1707**	**22.1707**	**6.8000e-004**	**0.0000**	**22.1848**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0991	0.8512	0.5549	7.9000e-004		0.0590	0.0590		0.0553	0.0553	0.0000	72.2940	72.2940	0.0186	0.0000	72.6837
Total	**0.0991**	**0.8512**	**0.5549**	**7.9000e-004**		**0.0590**	**0.0590**		**0.0553**	**0.0553**	**0.0000**	**72.2940**	**72.2940**	**0.0186**	**0.0000**	**72.6837**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.6700e-003	0.0451	0.0590	1.1000e-004	3.0800e-003	6.9000e-004	3.7700e-003	8.8000e-004	6.3000e-004	1.5100e-003	0.0000	9.8017	9.8017	7.0000e-005	0.0000	9.8032
Worker	4.2700e-003	6.3300e-003	0.0660	1.6000e-004	0.0137	1.0000e-004	0.0138	3.6400e-003	9.0000e-005	3.7300e-003	0.0000	12.3689	12.3689	6.1000e-004	0.0000	12.3816

Total	**8.9400e-003**	**0.0515**	**0.1249**	**2.7000e-004**	**0.0168**	**7.9000e-004**	**0.0176**	**4.5200e-003**	**7.2000e-004**	**5.2400e-003**	**0.0000**	**22.1707**	**22.1707**	**6.8000e-004**	**0.0000**	**22.1848**

3.3 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2716					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8400e-003	0.0119	9.4200e-003	1.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	1.2766	1.2766	1.5000e-004	0.0000	1.2798
Total	**0.2735**	**0.0119**	**9.4200e-003**	**1.0000e-005**		**9.8000e-004**	**9.8000e-004**		**9.8000e-004**	**9.8000e-004**	**0.0000**	**1.2766**	**1.2766**	**1.5000e-004**	**0.0000**	**1.2798**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	1.3000e-004	1.3200e-003	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2474	0.2474	1.0000e-005	0.0000	0.2476
Total	**9.0000e-005**	**1.3000e-004**	**1.3200e-003**	**0.0000**	**2.7000e-004**	**0.0000**	**2.8000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2474**	**0.2474**	**1.0000e-005**	**0.0000**	**0.2476**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2716					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8400e-003	0.0119	9.4200e-003	1.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	1.2766	1.2766	1.5000e-004	0.0000	1.2798
Total	**0.2735**	**0.0119**	**9.4200e-003**	**1.0000e-005**		**9.8000e-004**	**9.8000e-004**		**9.8000e-004**	**9.8000e-004**	**0.0000**	**1.2766**	**1.2766**	**1.5000e-004**	**0.0000**	**1.2798**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	1.3000e-004	1.3200e-003	0.0000	2.7000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2474	0.2474	1.0000e-005	0.0000	0.2476
Total	**9.0000e-005**	**1.3000e-004**	**1.3200e-003**	**0.0000**	**2.7000e-004**	**0.0000**	**2.8000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.2474**	**0.2474**	**1.0000e-005**	**0.0000**	**0.2476**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6331	1.5584	7.0043	0.0197	1.4317	0.0216	1.4533	0.3826	0.0199	0.4024	0.0000	1,456.4354	1,456.4354	0.0552	0.0000	1,457.5940
Unmitigated	0.6331	1.5584	7.0043	0.0197	1.4317	0.0216	1.4533	0.3826	0.0199	0.4024	0.0000	1,456.4354	1,456.4354	0.0552	0.0000	1,457.5940

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,610.91	658.08	70.91	3,789,926	3,789,926
Total	1,610.91	658.08	70.91	3,789,926	3,789,926

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.510011	0.056836	0.192178	0.151564	0.041643	0.005905	0.015642	0.015146	0.001440	0.002149	0.004721	0.000504	0.002262

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	235.6219	235.6219	0.0108	2.2400e-003	236.5440
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	235.6219	235.6219	0.0108	2.2400e-003	236.5440
NaturalGas Mitigated	5.0100e-003	0.0456	0.0383	2.7000e-004		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	49.5987	49.5987	9.5000e-004	9.1000e-004	49.9005
NaturalGas Unmitigated	5.0100e-003	0.0456	0.0383	2.7000e-004		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	49.5987	49.5987	9.5000e-004	9.1000e-004	49.9005

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	929444	5.0100e-003	0.0456	0.0383	2.7000e-004		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	49.5987	49.5987	9.5000e-004	9.1000e-004	49.9005
Total		**5.0100e-003**	**0.0456**	**0.0383**	**2.7000e-004**		**3.4600e-003**	**3.4600e-003**		**3.4600e-003**	**3.4600e-003**	**0.0000**	**49.5987**	**49.5987**	**9.5000e-004**	**9.1000e-004**	**49.9005**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	929444	5.0100e-003	0.0456	0.0383	2.7000e-004		3.4600e-003	3.4600e-003		3.4600e-003	3.4600e-003	0.0000	49.5987	49.5987	9.5000e-004	9.1000e-004	49.9005
Total		**5.0100e-003**	**0.0456**	**0.0383**	**2.7000e-004**		**3.4600e-003**	**3.4600e-003**		**3.4600e-003**	**3.4600e-003**	**0.0000**	**49.5987**	**49.5987**	**9.5000e-004**	**9.1000e-004**	**49.9005**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	823372	235.6219	0.0108	2.2400e-003	236.5440
Total		**235.6219**	**0.0108**	**2.2400e-003**	**236.5440**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	823372	235.6219	0.0108	2.2400e-003	236.5440
Total		**235.6219**	**0.0108**	**2.2400e-003**	**236.5440**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2797	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4500e-003	1.4500e-003	0.0000	0.0000	1.5400e-003
Unmitigated	0.2797	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4500e-003	1.4500e-003	0.0000	0.0000	1.5400e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0679					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4500e-003	1.4500e-003	0.0000	0.0000	1.5400e-003
Total	**0.2797**	**1.0000e-005**	**7.6000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.4500e-003**	**1.4500e-003**	**0.0000**	**0.0000**	**1.5400e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					

Architectural Coating	0.0679					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2118					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.4500e-003	1.4500e-003	0.0000	0.0000	1.5400e-003
Total	**0.2797**	**1.0000e-005**	**7.6000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.4500e-003**	**1.4500e-003**	**0.0000**	**0.0000**	**1.5400e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	25.9150	0.0948	2.4500e-003	28.6638
Unmitigated	25.9150	0.0948	2.4500e-003	28.6653

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.87427 / 4.49566	25.9150	0.0948	2.4500e-003	28.6653
Total		**25.9150**	**0.0948**	**2.4500e-003**	**28.6653**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.87427 / 4.49566	25.9150	0.0948	2.4500e-003	28.6638
Total		**25.9150**	**0.0948**	**2.4500e-003**	**28.6638**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	15.4639	0.9139	0.0000	34.6555
Unmitigated	15.4639	0.9139	0.0000	34.6555

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	76.18	15.4639	0.9139	0.0000	34.6555
Total		**15.4639**	**0.9139**	**0.0000**	**34.6555**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	76.18	15.4639	0.9139	0.0000	34.6555
Total		**15.4639**	**0.9139**	**0.0000**	**34.6555**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 1 - Watson Hall Renovation

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	58.60	1000sqft	0.33	58,603.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2018
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Modified

Construction Phase - modified to reflect arch coating for 58,603 gsf

Off-road Equipment -

Off-road Equipment - modified

Demolition -

Architectural Coating - Modified per SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	5.00	10.00

tblLandUse	LandUseSquareFeet	58,600.00	58,603.00
tblLandUse	LotAcreage	1.35	0.33
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblProjectCharacteristics	OperationalYear	2014	2018

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	54.7115	18.0013	13.4931	0.0215	0.3419	1.1959	1.5378	0.0919	1.1194	1.2113	0.0000	2,094.3203	2,094.3203	0.4241	0.0000	2,103.2257
Total	**54.7115**	**18.0013**	**13.4931**	**0.0215**	**0.3419**	**1.1959**	**1.5378**	**0.0919**	**1.1194**	**1.2113**	**0.0000**	**2,094.3203**	**2,094.3203**	**0.4241**	**0.0000**	**2,103.2257**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	54.7115	18.0013	13.4931	0.0215	0.3419	1.1959	1.5378	0.0919	1.1194	1.2113	0.0000	2,094.3203	2,094.3203	0.4241	0.0000	2,103.2257
Total	**54.7115**	**18.0013**	**13.4931**	**0.0215**	**0.3419**	**1.1959**	**1.5378**	**0.0919**	**1.1194**	**1.2113**	**0.0000**	**2,094.3203**	**2,094.3203**	**0.4241**	**0.0000**	**2,103.2257**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5330	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0128	0.0128	4.0000e-005		0.0136
Energy	0.0275	0.2497	0.2097	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.5789	299.5789	5.7400e-003	5.4900e-003	301.4021
Mobile	4.4782	10.2207	49.3765	0.1438	10.2806	0.1520	10.4325	2.7431	0.1401	2.8832		11,706.6497	11,706.6497	0.4294		11,715.6666
Total	**6.0386**	**10.4704**	**49.5923**	**0.1453**	**10.2806**	**0.1710**	**10.4515**	**2.7431**	**0.1591**	**2.9022**		**12,006.2414**	**12,006.2414**	**0.4352**	**5.4900e-003**	**12,017.0823**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5330	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0128	0.0128	4.0000e-005		0.0136
Energy	0.0275	0.2497	0.2097	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.5789	299.5789	5.7400e-003	5.4900e-003	301.4021
Mobile	4.4782	10.2207	49.3765	0.1438	10.2806	0.1520	10.4325	2.7431	0.1401	2.8832		11,706.6497	11,706.6497	0.4294		11,715.6666

Total	**6.0386**	**10.4704**	**49.5923**	**0.1453**	**10.2806**	**0.1710**	**10.4515**	**2.7431**	**0.1591**	**2.9022**		**12,006.2414**	**12,006.2414**	**0.4352**	**5.4900e-003**	**12,017.0823**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	8/1/2016	12/16/2016	5	100	
2	Architectural Coating	Architectural Coating	12/17/2016	12/30/2016	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,905; Non-Residential Outdoor: 29,302 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Welders	1	4.00	46	0.45
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Generator Sets	1	4.00	84	0.74
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	25.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9823	17.0242	11.0986	0.0159		1.1802	1.1802		1.1050	1.1050		1,593.8110	1,593.8110	0.4092		1,602.4040
Total	**1.9823**	**17.0242**	**11.0986**	**0.0159**		**1.1802**	**1.1802**		**1.1050**	**1.1050**		**1,593.8110**	**1,593.8110**	**0.4092**		**1,602.4040**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0874	0.8650	1.0221	2.1600e-003	0.0625	0.0137	0.0762	0.0178	0.0126	0.0304		216.8589	216.8589	1.5400e-003		216.8912

Worker	0.0867	0.1121	1.3724	3.3900e-003	0.2794	1.9500e-003	0.2814	0.0741	1.8000e-003	0.0759		283.6504	283.6504	0.0133		283.9305
Total	**0.1742**	**0.9771**	**2.3946**	**5.5500e-003**	**0.3419**	**0.0157**	**0.3576**	**0.0919**	**0.0144**	**0.1063**		**500.5093**	**500.5093**	**0.0149**		**500.8217**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9823	17.0242	11.0986	0.0159		1.1802	1.1802		1.1050	1.1050	0.0000	1,593.8110	1,593.8110	0.4092		1,602.4040
Total	**1.9823**	**17.0242**	**11.0986**	**0.0159**		**1.1802**	**1.1802**		**1.1050**	**1.1050**	**0.0000**	**1,593.8110**	**1,593.8110**	**0.4092**		**1,602.4040**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0874	0.8650	1.0221	2.1600e-003	0.0625	0.0137	0.0762	0.0178	0.0126	0.0304		216.8589	216.8589	1.5400e-003		216.8912
Worker	0.0867	0.1121	1.3724	3.3900e-003	0.2794	1.9500e-003	0.2814	0.0741	1.8000e-003	0.0759		283.6504	283.6504	0.0133		283.9305
Total	**0.1742**	**0.9771**	**2.3946**	**5.5500e-003**	**0.3419**	**0.0157**	**0.3576**	**0.0919**	**0.0144**	**0.1063**		**500.5093**	**500.5093**	**0.0149**		**500.8217**

3.3 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.3257					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	**54.6941**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**		**281.4481**	**281.4481**	**0.0332**		**282.1449**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0174	0.0224	0.2745	6.8000e-004	0.0559	3.9000e-004	0.0563	0.0148	3.6000e-004	0.0152		56.7301	56.7301	2.6700e-003		56.7861
Total	**0.0174**	**0.0224**	**0.2745**	**6.8000e-004**	**0.0559**	**3.9000e-004**	**0.0563**	**0.0148**	**3.6000e-004**	**0.0152**		**56.7301**	**56.7301**	**2.6700e-003**		**56.7861**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	54.3257					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	**54.6941**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**	**0.0000**	**281.4481**	**281.4481**	**0.0332**		**282.1449**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0174	0.0224	0.2745	6.8000e-004	0.0559	3.9000e-004	0.0563	0.0148	3.6000e-004	0.0152		56.7301	56.7301	2.6700e-003		56.7861
Total	**0.0174**	**0.0224**	**0.2745**	**6.8000e-004**	**0.0559**	**3.9000e-004**	**0.0563**	**0.0148**	**3.6000e-004**	**0.0152**		**56.7301**	**56.7301**	**2.6700e-003**		**56.7861**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.4782	10.2207	49.3765	0.1438	10.2806	0.1520	10.4325	2.7431	0.1401	2.8832		11,706.6497	11,706.6497	0.4294		11,715.6666
Unmitigated	4.4782	10.2207	49.3765	0.1438	10.2806	0.1520	10.4325	2.7431	0.1401	2.8832		11,706.6497	11,706.6497	0.4294		11,715.6666

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,610.91	658.08	70.91	3,789,926	3,789,926
Total	1,610.91	658.08	70.91	3,789,926	3,789,926

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.510011	0.056836	0.192178	0.151564	0.041643	0.005905	0.015642	0.015146	0.001440	0.002149	0.004721	0.000504	0.002262

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0275	0.2497	0.2097	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.5789	299.5789	5.7400e-003	5.4900e-003	301.4021
NaturalGas Unmitigated	0.0275	0.2497	0.2097	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.5789	299.5789	5.7400e-003	5.4900e-003	301.4021

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	2546.42	0.0275	0.2497	0.2097	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.5789	299.5789	5.7400e-003	5.4900e-003	301.4021
Total		**0.0275**	**0.2497**	**0.2097**	**1.5000e-003**		**0.0190**	**0.0190**		**0.0190**	**0.0190**		**299.5789**	**299.5789**	**5.7400e-003**	**5.4900e-003**	**301.4021**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	2.54642	0.0275	0.2497	0.2097	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.5789	299.5789	5.7400e-003	5.4900e-003	301.4021
Total		**0.0275**	**0.2497**	**0.2097**	**1.5000e-003**		**0.0190**	**0.0190**		**0.0190**	**0.0190**		**299.5789**	**299.5789**	**5.7400e-003**	**5.4900e-003**	**301.4021**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5330	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0128	0.0128	4.0000e-005		0.0136
Unmitigated	1.5330	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0128	0.0128	4.0000e-005		0.0136

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.8000e-004	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0128	0.0128	4.0000e-005		0.0136
Total	**1.5330**	**6.0000e-005**	**6.0700e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0128**	**0.0128**	**4.0000e-005**		**0.0136**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	5.8000e-004	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0128	0.0128	4.0000e-005		0.0136
Total	**1.5330**	**6.0000e-005**	**6.0700e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0128**	**0.0128**	**4.0000e-005**		**0.0136**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 1 - Watson Hall Renovation

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	58.60	1000sqft	0.33	58,603.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2018
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Modified

Construction Phase - modified to reflect arch coating for 58,603 gsf

Off-road Equipment -

Off-road Equipment - modified

Demolition -

Architectural Coating - Modified per SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	5.00	10.00

tblLandUse	LandUseSquareFeet	58,600.00	58,603.00
tblLandUse	LotAcreage	1.35	0.33
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblProjectCharacteristics	OperationalYear	2014	2018

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	54.7124	18.0329	13.6197	0.0213	0.3419	1.1960	1.5379	0.0919	1.1195	1.2115	0.0000	2,077.4833	2,077.4833	0.4241	0.0000	2,086.3897
Total	**54.7124**	**18.0329**	**13.6197**	**0.0213**	**0.3419**	**1.1960**	**1.5379**	**0.0919**	**1.1195**	**1.2115**	**0.0000**	**2,077.4833**	**2,077.4833**	**0.4241**	**0.0000**	**2,086.3897**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2016	54.7124	18.0329	13.6197	0.0213	0.3419	1.1960	1.5379	0.0919	1.1195	1.2115	0.0000	2,077.4833	2,077.4833	0.4241	0.0000	2,086.3897
Total	**54.7124**	**18.0329**	**13.6197**	**0.0213**	**0.3419**	**1.1960**	**1.5379**	**0.0919**	**1.1195**	**1.2115**	**0.0000**	**2,077.4833**	**2,077.4833**	**0.4241**	**0.0000**	**2,086.3897**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5330	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0128	0.0128	4.0000e-005		0.0136
Energy	0.0275	0.2497	0.2097	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.5789	299.5789	5.7400e-003	5.4900e-003	301.4021
Mobile	4.7326	10.7846	49.1380	0.1373	10.2806	0.1526	10.4331	2.7431	0.1407	2.8838		11,198.1218	11,198.1218	0.4296		11,207.1441
Total	**6.2931**	**11.0343**	**49.3538**	**0.1388**	**10.2806**	**0.1716**	**10.4521**	**2.7431**	**0.1597**	**2.9028**		**11,497.7136**	**11,497.7136**	**0.4354**	**5.4900e-003**	**11,508.5598**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.5330	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0128	0.0128	4.0000e-005		0.0136
Energy	0.0275	0.2497	0.2097	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.5789	299.5789	5.7400e-003	5.4900e-003	301.4021
Mobile	4.7326	10.7846	49.1380	0.1373	10.2806	0.1526	10.4331	2.7431	0.1407	2.8838		11,198.1218	11,198.1218	0.4296		11,207.1441

Total	**6.2931**	**11.0343**	**49.3538**	**0.1388**	**10.2806**	**0.1716**	**10.4521**	**2.7431**	**0.1597**	**2.9028**		**11,497.7136**	**11,497.7136**	**0.4354**	**5.4900e-003**	**11,508.5598**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Building Construction	Building Construction	8/1/2016	12/16/2016	5	100	
2	Architectural Coating	Architectural Coating	12/17/2016	12/30/2016	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 87,905; Non-Residential Outdoor: 29,302 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Welders	1	4.00	46	0.45
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Generator Sets	1	4.00	84	0.74
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Building Construction	7	25.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Building Construction - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9823	17.0242	11.0986	0.0159		1.1802	1.1802		1.1050	1.1050		1,593.8110	1,593.8110	0.4092		1,602.4040
Total	**1.9823**	**17.0242**	**11.0986**	**0.0159**		**1.1802**	**1.1802**		**1.1050**	**1.1050**		**1,593.8110**	**1,593.8110**	**0.4092**		**1,602.4040**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0969	0.8854	1.2284	2.1500e-003	0.0625	0.0139	0.0764	0.0178	0.0127	0.0305		215.0304	215.0304	1.5900e-003		215.0637

Worker	0.0913	0.1232	1.2928	3.2100e-003	0.2794	1.9500e-003	0.2814	0.0741	1.8000e-003	0.0759		268.6420	268.6420	0.0133		268.9221
Total	**0.1882**	**1.0086**	**2.5211**	**5.3600e-003**	**0.3419**	**0.0158**	**0.3577**	**0.0919**	**0.0145**	**0.1064**		**483.6723**	**483.6723**	**0.0149**		**483.9857**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9823	17.0242	11.0986	0.0159		1.1802	1.1802		1.1050	1.1050	0.0000	1,593.8110	1,593.8110	0.4092		1,602.4040
Total	**1.9823**	**17.0242**	**11.0986**	**0.0159**		**1.1802**	**1.1802**		**1.1050**	**1.1050**	**0.0000**	**1,593.8110**	**1,593.8110**	**0.4092**		**1,602.4040**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0969	0.8854	1.2284	2.1500e-003	0.0625	0.0139	0.0764	0.0178	0.0127	0.0305		215.0304	215.0304	1.5900e-003		215.0637
Worker	0.0913	0.1232	1.2928	3.2100e-003	0.2794	1.9500e-003	0.2814	0.0741	1.8000e-003	0.0759		268.6420	268.6420	0.0133		268.9221
Total	**0.1882**	**1.0086**	**2.5211**	**5.3600e-003**	**0.3419**	**0.0158**	**0.3577**	**0.0919**	**0.0145**	**0.1064**		**483.6723**	**483.6723**	**0.0149**		**483.9857**

3.3 Architectural Coating - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.3257					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966		281.4481	281.4481	0.0332		282.1449
Total	**54.6941**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**		**281.4481**	**281.4481**	**0.0332**		**282.1449**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0183	0.0247	0.2586	6.4000e-004	0.0559	3.9000e-004	0.0563	0.0148	3.6000e-004	0.0152		53.7284	53.7284	2.6700e-003		53.7844
Total	**0.0183**	**0.0247**	**0.2586**	**6.4000e-004**	**0.0559**	**3.9000e-004**	**0.0563**	**0.0148**	**3.6000e-004**	**0.0152**		**53.7284**	**53.7284**	**2.6700e-003**		**53.7844**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	54.3257					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3685	2.3722	1.8839	2.9700e-003		0.1966	0.1966		0.1966	0.1966	0.0000	281.4481	281.4481	0.0332		282.1449
Total	**54.6941**	**2.3722**	**1.8839**	**2.9700e-003**		**0.1966**	**0.1966**		**0.1966**	**0.1966**	**0.0000**	**281.4481**	**281.4481**	**0.0332**		**282.1449**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0183	0.0247	0.2586	6.4000e-004	0.0559	3.9000e-004	0.0563	0.0148	3.6000e-004	0.0152		53.7284	53.7284	2.6700e-003		53.7844
Total	**0.0183**	**0.0247**	**0.2586**	**6.4000e-004**	**0.0559**	**3.9000e-004**	**0.0563**	**0.0148**	**3.6000e-004**	**0.0152**		**53.7284**	**53.7284**	**2.6700e-003**		**53.7844**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.7326	10.7846	49.1380	0.1373	10.2806	0.1526	10.4331	2.7431	0.1407	2.8838		11,198.1218	11,198.1218	0.4296		11,207.1441
Unmitigated	4.7326	10.7846	49.1380	0.1373	10.2806	0.1526	10.4331	2.7431	0.1407	2.8838		11,198.1218	11,198.1218	0.4296		11,207.1441

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,610.91	658.08	70.91	3,789,926	3,789,926
Total	1,610.91	658.08	70.91	3,789,926	3,789,926

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.510011	0.056836	0.192178	0.151564	0.041643	0.005905	0.015642	0.015146	0.001440	0.002149	0.004721	0.000504	0.002262

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0275	0.2497	0.2097	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.5789	299.5789	5.7400e-003	5.4900e-003	301.4021
NaturalGas Unmitigated	0.0275	0.2497	0.2097	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.5789	299.5789	5.7400e-003	5.4900e-003	301.4021

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	2546.42	0.0275	0.2497	0.2097	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.5789	299.5789	5.7400e-003	5.4900e-003	301.4021
Total		**0.0275**	**0.2497**	**0.2097**	**1.5000e-003**		**0.0190**	**0.0190**		**0.0190**	**0.0190**		**299.5789**	**299.5789**	**5.7400e-003**	**5.4900e-003**	**301.4021**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	2.54642	0.0275	0.2497	0.2097	1.5000e-003		0.0190	0.0190		0.0190	0.0190		299.5789	299.5789	5.7400e-003	5.4900e-003	301.4021
Total		**0.0275**	**0.2497**	**0.2097**	**1.5000e-003**		**0.0190**	**0.0190**		**0.0190**	**0.0190**		**299.5789**	**299.5789**	**5.7400e-003**	**5.4900e-003**	**301.4021**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.5330	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0128	0.0128	4.0000e-005		0.0136
Unmitigated	1.5330	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0128	0.0128	4.0000e-005		0.0136

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.8000e-004	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0128	0.0128	4.0000e-005		0.0136
Total	**1.5330**	**6.0000e-005**	**6.0700e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0128**	**0.0128**	**4.0000e-005**		**0.0136**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1603					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	5.8000e-004	6.0000e-005	6.0700e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0128	0.0128	4.0000e-005		0.0136
Total	**1.5330**	**6.0000e-005**	**6.0700e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0128**	**0.0128**	**4.0000e-005**		**0.0136**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

PROPOSED PROJECT CONSTRUCTION WITH MITIGATION

Annual, Summer, and Winter Emissions

Phase 2 - Adaptive PE, Gymnasium and Pool

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	98.48	1000sqft	3.10	98,477.00	0
Parking Lot	48.72	1000sqft	1.12	48,720.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Demolition -

Architectural Coating - scaqmd rule 1113. non-res interior = 50 g/l. non-res exterior traffic coatings = 100 g/l, adjusted to 242 g/l
Adjusted to reflect that parking lot of is exterior
Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	18.00	20.00
tblLandUse	LandUseSquareFeet	98,480.00	98,477.00
tblLandUse	LotAcreage	2.26	3.10
tblProjectCharacteristics	OperationalYear	2014	2019

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.2331	2.0731	1.8252	2.9800e-003	0.1459	0.1187	0.2647	0.0555	0.1111	0.1666	0.0000	255.7369	255.7369	0.0510	0.0000	256.8073
2019	0.4688	1.5172	1.4766	2.6600e-003	0.0534	0.0873	0.1407	0.0144	0.0820	0.0964	0.0000	222.1007	222.1007	0.0411	0.0000	222.9630
Total	**0.7018**	**3.5903**	**3.3018**	**5.6400e-003**	**0.1993**	**0.2061**	**0.4054**	**0.0699**	**0.1931**	**0.2630**	**0.0000**	**477.8376**	**477.8376**	**0.0920**	**0.0000**	**479.7703**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Year	tons/yr										MT/yr					
2018	0.2331	2.0731	1.8252	2.9800e-003	0.0878	0.1187	0.2065	0.0300	0.1111	0.1411	0.0000	255.7367	255.7367	0.0510	0.0000	256.8071
2019	0.4688	1.5172	1.4766	2.6600e-003	0.0534	0.0873	0.1407	0.0144	0.0820	0.0964	0.0000	222.1006	222.1006	0.0411	0.0000	222.9628
Total	**0.7018**	**3.5903**	**3.3018**	**5.6400e-003**	**0.1412**	**0.2061**	**0.3472**	**0.0443**	**0.1931**	**0.2374**	**0.0000**	**477.8372**	**477.8372**	**0.0920**	**0.0000**	**479.7699**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**29.18**	**0.00**	**14.35**	**36.59**	**0.00**	**9.72**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6479	2.0000e-005	1.9000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6500e-003	3.6500e-003	1.0000e-005	0.0000	3.8600e-003
Energy	8.4200e-003	0.0766	0.0643	4.6000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	491.5561	491.5561	0.0204	5.4100e-003	493.6608
Mobile	1.0099	2.4531	11.0591	0.0333	2.4063	0.0355	2.4417	0.6430	0.0327	0.6757	0.0000	2,385.7395	2,385.7395	0.0885	0.0000	2,387.5989
Waste						0.0000	0.0000		0.0000	0.0000	25.9869	0.0000	25.9869	1.5358	0.0000	58.2383
Water						0.0000	0.0000		0.0000	0.0000	1.5325	42.0190	43.5514	0.1593	4.1200e-003	48.1733
Total	**1.6662**	**2.5297**	**11.1253**	**0.0337**	**2.4063**	**0.0413**	**2.4476**	**0.6430**	**0.0386**	**0.6816**	**27.5194**	**2,919.3182**	**2,946.8376**	**1.8040**	**9.5300e-003**	**2,987.6752**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6479	2.0000e-005	1.9000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6500e-003	3.6500e-003	1.0000e-005	0.0000	3.8600e-003
Energy	8.4200e-003	0.0766	0.0643	4.6000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	491.5561	491.5561	0.0204	5.4100e-003	493.6608
Mobile	1.0099	2.4531	11.0591	0.0333	2.4063	0.0355	2.4417	0.6430	0.0327	0.6757	0.0000	2,385.7395	2,385.7395	0.0885	0.0000	2,387.5989
Waste						0.0000	0.0000		0.0000	0.0000	25.9869	0.0000	25.9869	1.5358	0.0000	58.2383
Water						0.0000	0.0000		0.0000	0.0000	1.5325	42.0190	43.5514	0.1593	4.1100e-003	48.1709
Total	**1.6662**	**2.5297**	**11.1253**	**0.0337**	**2.4063**	**0.0413**	**2.4476**	**0.6430**	**0.0386**	**0.6816**	**27.5194**	**2,919.3182**	**2,946.8376**	**1.8040**	**9.5200e-003**	**2,987.6728**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.10**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2018	6/28/2018	5	20	
2	Site Preparation	Site Preparation	6/29/2018	7/5/2018	5	5	
3	Grading	Grading	7/6/2018	7/17/2018	5	8	
4	Trenching	Trenching	7/18/2018	7/31/2018	5	10	
5	Building Construction	Building Construction	8/1/2018	6/18/2019	5	230	
6	Paving	Paving	6/19/2019	7/12/2019	5	18	
7	Architectural Coating	Architectural Coating	7/13/2019	8/9/2019	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 149,908; Non-Residential Outdoor: 49,969 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Plate Compactors	2	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	2	8.00	80	0.50
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	222.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	62.00	24.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0240	0.0000	0.0240	3.6300e-003	0.0000	3.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0356	0.3683	0.3173	4.0000e-004		0.0181	0.0181		0.0169	0.0169	0.0000	36.1362	36.1362	9.9900e-003	0.0000	36.3460
Total	**0.0356**	**0.3683**	**0.3173**	**4.0000e-004**	**0.0240**	**0.0181**	**0.0421**	**3.6300e-003**	**0.0169**	**0.0205**	**0.0000**	**36.1362**	**36.1362**	**9.9900e-003**	**0.0000**	**36.3460**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	1.9300e-003	0.0274	0.0231	8.0000e-005	1.9000e-003	4.2000e-004	2.3300e-003	5.2000e-004	3.9000e-004	9.1000e-004	0.0000	7.2119	7.2119	5.0000e-005	0.0000	7.2130
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	6.3000e-004	6.5800e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3733	1.3733	6.0000e-005	0.0000	1.3747
Total	**2.3500e-003**	**0.0280**	**0.0297**	**1.0000e-004**	**3.5500e-003**	**4.3000e-004**	**3.9900e-003**	**9.6000e-004**	**4.0000e-004**	**1.3600e-003**	**0.0000**	**8.5852**	**8.5852**	**1.1000e-004**	**0.0000**	**8.5877**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.3500e-003	0.0000	9.3500e-003	1.4200e-003	0.0000	1.4200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0356	0.3683	0.3173	4.0000e-004		0.0181	0.0181		0.0169	0.0169	0.0000	36.1361	36.1361	9.9900e-003	0.0000	36.3459
Total	**0.0356**	**0.3683**	**0.3173**	**4.0000e-004**	**9.3500e-003**	**0.0181**	**0.0274**	**1.4200e-003**	**0.0169**	**0.0183**	**0.0000**	**36.1361**	**36.1361**	**9.9900e-003**	**0.0000**	**36.3459**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.9300e-003	0.0274	0.0231	8.0000e-005	1.9000e-003	4.2000e-004	2.3300e-003	5.2000e-004	3.9000e-004	9.1000e-004	0.0000	7.2119	7.2119	5.0000e-005	0.0000	7.2130
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	6.3000e-004	6.5800e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3733	1.3733	6.0000e-005	0.0000	1.3747

Total	**2.3500e-003**	**0.0280**	**0.0297**	**1.0000e-004**	**3.5500e-003**	**4.3000e-004**	**3.9900e-003**	**9.6000e-004**	**4.0000e-004**	**1.3600e-003**	**0.0000**	**8.5852**	**8.5852**	**1.1000e-004**	**0.0000**	**8.5877**

3.3 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0107	0.1140	0.0906	1.0000e-004		5.9100e-003	5.9100e-003		5.4400e-003	5.4400e-003	0.0000	8.9353	8.9353	2.7800e-003	0.0000	8.9937
Total	**0.0107**	**0.1140**	**0.0906**	**1.0000e-004**	**0.0452**	**5.9100e-003**	**0.0511**	**0.0248**	**5.4400e-003**	**0.0303**	**0.0000**	**8.9353**	**8.9353**	**2.7800e-003**	**0.0000**	**8.9937**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.9000e-004	1.9700e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4120	0.4120	2.0000e-005	0.0000	0.4124
Total	**1.3000e-004**	**1.9000e-004**	**1.9700e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4120**	**0.4120**	**2.0000e-005**	**0.0000**	**0.4124**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0176	0.0000	0.0176	9.6800e-003	0.0000	9.6800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0107	0.1140	0.0906	1.0000e-004		5.9100e-003	5.9100e-003		5.4400e-003	5.4400e-003	0.0000	8.9352	8.9352	2.7800e-003	0.0000	8.9937
Total	**0.0107**	**0.1140**	**0.0906**	**1.0000e-004**	**0.0176**	**5.9100e-003**	**0.0235**	**9.6800e-003**	**5.4400e-003**	**0.0151**	**0.0000**	**8.9352**	**8.9352**	**2.7800e-003**	**0.0000**	**8.9937**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.9000e-004	1.9700e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4120	0.4120	2.0000e-005	0.0000	0.4124
Total	**1.3000e-004**	**1.9000e-004**	**1.9700e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4120**	**0.4120**	**2.0000e-005**	**0.0000**	**0.4124**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0120	0.1243	0.0960	1.2000e-004		6.8800e-003	6.8800e-003		6.3300e-003	6.3300e-003	0.0000	10.8612	10.8612	3.3800e-003	0.0000	10.9322
Total	**0.0120**	**0.1243**	**0.0960**	**1.2000e-004**	**0.0262**	**6.8800e-003**	**0.0331**	**0.0135**	**6.3300e-003**	**0.0198**	**0.0000**	**10.8612**	**10.8612**	**3.3800e-003**	**0.0000**	**10.9322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.5000e-004	2.6300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5493	0.5493	3.0000e-005	0.0000	0.5499
Total	**1.7000e-004**	**2.5000e-004**	**2.6300e-003**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**6.6000e-004**	**1.7000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5493**	**0.5493**	**3.0000e-005**	**0.0000**	**0.5499**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0102	0.0000	0.0102	5.2500e-003	0.0000	5.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0120	0.1243	0.0960	1.2000e-004		6.8800e-003	6.8800e-003		6.3300e-003	6.3300e-003	0.0000	10.8612	10.8612	3.3800e-003	0.0000	10.9322
Total	**0.0120**	**0.1243**	**0.0960**	**1.2000e-004**	**0.0102**	**6.8800e-003**	**0.0171**	**5.2500e-003**	**6.3300e-003**	**0.0116**	**0.0000**	**10.8612**	**10.8612**	**3.3800e-003**	**0.0000**	**10.9322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.5000e-004	2.6300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5493	0.5493	3.0000e-005	0.0000	0.5499
Total	**1.7000e-004**	**2.5000e-004**	**2.6300e-003**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**6.6000e-004**	**1.7000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5493**	**0.5493**	**3.0000e-005**	**0.0000**	**0.5499**

3.5 Trenching - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.3700e-003	0.0574	0.0410	5.0000e-005		4.2000e-003	4.2000e-003		3.8800e-003	3.8800e-003	0.0000	4.8913	4.8913	1.4600e-003	0.0000	4.9219
Total	**6.3700e-003**	**0.0574**	**0.0410**	**5.0000e-005**		**4.2000e-003**	**4.2000e-003**		**3.8800e-003**	**3.8800e-003**	**0.0000**	**4.8913**	**4.8913**	**1.4600e-003**	**0.0000**	**4.9219**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.7000e-004	2.8500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5951	0.5951	3.0000e-005	0.0000	0.5957
Total	**1.8000e-004**	**2.7000e-004**	**2.8500e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5951**	**0.5951**	**3.0000e-005**	**0.0000**	**0.5957**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.3700e-003	0.0574	0.0410	5.0000e-005		4.2000e-003	4.2000e-003		3.8800e-003	3.8800e-003	0.0000	4.8913	4.8913	1.4600e-003	0.0000	4.9219
Total	**6.3700e-003**	**0.0574**	**0.0410**	**5.0000e-005**		**4.2000e-003**	**4.2000e-003**		**3.8800e-003**	**3.8800e-003**	**0.0000**	**4.8913**	**4.8913**	**1.4600e-003**	**0.0000**	**4.9219**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.7000e-004	2.8500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5951	0.5951	3.0000e-005	0.0000	0.5957

Total	**1.8000e-004**	**2.7000e-004**	**2.8500e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5951**	**0.5951**	**3.0000e-005**	**0.0000**	**0.5957**

3.6 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1454	1.2677	0.9555	1.4600e-003		0.0814	0.0814		0.0766	0.0766	0.0000	129.0395	129.0395	0.0316	0.0000	129.7026
Total	**0.1454**	**1.2677**	**0.9555**	**1.4600e-003**		**0.0814**	**0.0814**		**0.0766**	**0.0766**	**0.0000**	**129.0395**	**129.0395**	**0.0316**	**0.0000**	**129.7026**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0105	0.0985	0.1394	2.8000e-004	8.0500e-003	1.5100e-003	9.5700e-003	2.3000e-003	1.3900e-003	3.6900e-003	0.0000	24.7953	24.7953	1.8000e-004	0.0000	24.7990
Worker	9.5500e-003	0.0142	0.1483	4.4000e-004	0.0371	2.5000e-004	0.0374	9.8500e-003	2.4000e-004	0.0101	0.0000	30.9366	30.9366	1.4200e-003	0.0000	30.9663
Total	**0.0201**	**0.1127**	**0.2877**	**7.2000e-004**	**0.0451**	**1.7600e-003**	**0.0469**	**0.0122**	**1.6300e-003**	**0.0138**	**0.0000**	**55.7319**	**55.7319**	**1.6000e-003**	**0.0000**	**55.7653**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1454	1.2677	0.9555	1.4600e-003		0.0814	0.0814		0.0766	0.0766	0.0000	129.0393	129.0393	0.0316	0.0000	129.7025
Total	**0.1454**	**1.2677**	**0.9555**	**1.4600e-003**		**0.0814**	**0.0814**		**0.0766**	**0.0766**	**0.0000**	**129.0393**	**129.0393**	**0.0316**	**0.0000**	**129.7025**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0105	0.0985	0.1394	2.8000e-004	8.0500e-003	1.5100e-003	9.5700e-003	2.3000e-003	1.3900e-003	3.6900e-003	0.0000	24.7953	24.7953	1.8000e-004	0.0000	24.7990
Worker	9.5500e-003	0.0142	0.1483	4.4000e-004	0.0371	2.5000e-004	0.0374	9.8500e-003	2.4000e-004	0.0101	0.0000	30.9366	30.9366	1.4200e-003	0.0000	30.9663
Total	**0.0201**	**0.1127**	**0.2877**	**7.2000e-004**	**0.0451**	**1.7600e-003**	**0.0469**	**0.0122**	**1.6300e-003**	**0.0138**	**0.0000**	**55.7319**	**55.7319**	**1.6000e-003**	**0.0000**	**55.7653**

3.6 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1423	1.2684	1.0358	1.6200e-003		0.0778	0.0778		0.0731	0.0731	0.0000	141.6443	141.6443	0.0345	0.0000	142.3680
Total	**0.1423**	**1.2684**	**1.0358**	**1.6200e-003**		**0.0778**	**0.0778**		**0.0731**	**0.0731**	**0.0000**	**141.6443**	**141.6443**	**0.0345**	**0.0000**	**142.3680**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0109	0.1014	0.1475	3.1000e-004	8.9400e-003	1.5700e-003	0.0105	2.5500e-003	1.4400e-003	3.9900e-003	0.0000	27.1425	27.1425	2.0000e-004	0.0000	27.1467
Worker	9.9100e-003	0.0146	0.1534	4.9000e-004	0.0412	2.9000e-004	0.0415	0.0109	2.6000e-004	0.0112	0.0000	33.2707	33.2707	1.5000e-003	0.0000	33.3022
Total	**0.0208**	**0.1160**	**0.3009**	**8.0000e-004**	**0.0501**	**1.8600e-003**	**0.0520**	**0.0135**	**1.7000e-003**	**0.0152**	**0.0000**	**60.4132**	**60.4132**	**1.7000e-003**	**0.0000**	**60.4489**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1423	1.2684	1.0358	1.6200e-003		0.0778	0.0778		0.0731	0.0731	0.0000	141.6441	141.6441	0.0345	0.0000	142.3678
Total	**0.1423**	**1.2684**	**1.0358**	**1.6200e-003**		**0.0778**	**0.0778**		**0.0731**	**0.0731**	**0.0000**	**141.6441**	**141.6441**	**0.0345**	**0.0000**	**142.3678**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0109	0.1014	0.1475	3.1000e-004	8.9400e-003	1.5700e-003	0.0105	2.5500e-003	1.4400e-003	3.9900e-003	0.0000	27.1425	27.1425	2.0000e-004	0.0000	27.1467
Worker	9.9100e-003	0.0146	0.1534	4.9000e-004	0.0412	2.9000e-004	0.0415	0.0109	2.6000e-004	0.0112	0.0000	33.2707	33.2707	1.5000e-003	0.0000	33.3022
Total	**0.0208**	**0.1160**	**0.3009**	**8.0000e-004**	**0.0501**	**1.8600e-003**	**0.0520**	**0.0135**	**1.7000e-003**	**0.0152**	**0.0000**	**60.4132**	**60.4132**	**1.7000e-003**	**0.0000**	**60.4489**

3.7 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0113	0.1133	0.1093	1.7000e-004		6.4000e-003	6.4000e-003		5.9000e-003	5.9000e-003	0.0000	14.8291	14.8291	4.5600e-003	0.0000	14.9248
Paving	1.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0127**	**0.1133**	**0.1093**	**1.7000e-004**		**6.4000e-003**	**6.4000e-003**		**5.9000e-003**	**5.9000e-003**	**0.0000**	**14.8291**	**14.8291**	**4.5600e-003**	**0.0000**	**14.9248**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	7.0000e-004	7.3600e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.5966	1.5966	7.0000e-005	0.0000	1.5981
Total	**4.8000e-004**	**7.0000e-004**	**7.3600e-003**	**2.0000e-005**	**1.9800e-003**	**1.0000e-005**	**1.9900e-003**	**5.2000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.5966**	**1.5966**	**7.0000e-005**	**0.0000**	**1.5981**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0113	0.1133	0.1093	1.7000e-004		6.4000e-003	6.4000e-003		5.9000e-003	5.9000e-003	0.0000	14.8290	14.8290	4.5600e-003	0.0000	14.9248
Paving	1.4700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0127**	**0.1133**	**0.1093**	**1.7000e-004**		**6.4000e-003**	**6.4000e-003**		**5.9000e-003**	**5.9000e-003**	**0.0000**	**14.8290**	**14.8290**	**4.5600e-003**	**0.0000**	**14.9248**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	7.0000e-004	7.3600e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.5966	1.5966	7.0000e-005	0.0000	1.5981

Total	**4.8000e-004**	**7.0000e-004**	**7.3600e-003**	**2.0000e-005**	**1.9800e-003**	**1.0000e-005**	**1.9900e-003**	**5.2000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.5966**	**1.5966**	**7.0000e-005**	**0.0000**	**1.5981**

3.8 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2895					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5578
Total	**0.2922**	**0.0184**	**0.0184**	**3.0000e-005**		**1.2900e-003**	**1.2900e-003**		**1.2900e-003**	**1.2900e-003**	**0.0000**	**2.5533**	**2.5533**	**2.2000e-004**	**0.0000**	**2.5578**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	4.7000e-004	4.9100e-003	2.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.0644	1.0644	5.0000e-005	0.0000	1.0654
Total	**3.2000e-004**	**4.7000e-004**	**4.9100e-003**	**2.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**	**0.0000**	**1.0644**	**1.0644**	**5.0000e-005**	**0.0000**	**1.0654**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2895					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0184	0.0184	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003	0.0000	2.5533	2.5533	2.2000e-004	0.0000	2.5578
Total	**0.2922**	**0.0184**	**0.0184**	**3.0000e-005**		**1.2900e-003**	**1.2900e-003**		**1.2900e-003**	**1.2900e-003**	**0.0000**	**2.5533**	**2.5533**	**2.2000e-004**	**0.0000**	**2.5578**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	4.7000e-004	4.9100e-003	2.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.0644	1.0644	5.0000e-005	0.0000	1.0654
Total	**3.2000e-004**	**4.7000e-004**	**4.9100e-003**	**2.0000e-005**	**1.3200e-003**	**1.0000e-005**	**1.3300e-003**	**3.5000e-004**	**1.0000e-005**	**3.6000e-004**	**0.0000**	**1.0644**	**1.0644**	**5.0000e-005**	**0.0000**	**1.0654**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0099	2.4531	11.0591	0.0333	2.4063	0.0355	2.4417	0.6430	0.0327	0.6757	0.0000	2,385.7395	2,385.7395	0.0885	0.0000	2,387.5989
Unmitigated	1.0099	2.4531	11.0591	0.0333	2.4063	0.0355	2.4417	0.6430	0.0327	0.6757	0.0000	2,385.7395	2,385.7395	0.0885	0.0000	2,387.5989

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	2,707.22	1,105.93	119.16	6,369,145	6,369,145
Parking Lot	0.00	0.00	0.00		
Total	2,707.22	1,105.93	119.16	6,369,145	6,369,145

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.509471	0.056616	0.192725	0.151095	0.041772	0.005913	0.015766	0.015535	0.001447	0.002155	0.004735	0.000502	0.002269

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	408.2100	408.2100	0.0188	3.8800e-003	409.8076
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	408.2100	408.2100	0.0188	3.8800e-003	409.8076
NaturalGas Mitigated	8.4200e-003	0.0766	0.0643	4.6000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	83.3460	83.3460	1.6000e-003	1.5300e-003	83.8532
NaturalGas Unmitigated	8.4200e-003	0.0766	0.0643	4.6000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	83.3460	83.3460	1.6000e-003	1.5300e-003	83.8532

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	1.56185e+006	8.4200e-003	0.0766	0.0643	4.6000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	83.3460	83.3460	1.6000e-003	1.5300e-003	83.8532
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**8.4200e-003**	**0.0766**	**0.0643**	**4.6000e-004**		**5.8200e-003**	**5.8200e-003**		**5.8200e-003**	**5.8200e-003**	**0.0000**	**83.3460**	**83.3460**	**1.6000e-003**	**1.5300e-003**	**83.8532**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Junior College (2Yr)	1.56185e+006	8.4200e-003	0.0766	0.0643	4.6000e-004		5.8200e-003	5.8200e-003		5.8200e-003	5.8200e-003	0.0000	83.3460	83.3460	1.6000e-003	1.5300e-003	83.8532
Total		**8.4200e-003**	**0.0766**	**0.0643**	**4.6000e-004**		**5.8200e-003**	**5.8200e-003**		**5.8200e-003**	**5.8200e-003**	**0.0000**	**83.3460**	**83.3460**	**1.6000e-003**	**1.5300e-003**	**83.8532**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	1.3836e+006	395.9410	0.0182	3.7700e-003	397.4906
Parking Lot	42873.6	12.2690	5.6000e-004	1.2000e-004	12.3170
Total		**408.2100**	**0.0188**	**3.8900e-003**	**409.8076**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	1.3836e+006	395.9410	0.0182	3.7700e-003	397.4906
Parking Lot	42873.6	12.2690	5.6000e-004	1.2000e-004	12.3170
Total		**408.2100**	**0.0188**	**3.8900e-003**	**409.8076**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6479	2.0000e-005	1.9000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6500e-003	3.6500e-003	1.0000e-005	0.0000	3.8600e-003
Unmitigated	0.6479	2.0000e-005	1.9000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6500e-003	3.6500e-003	1.0000e-005	0.0000	3.8600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1158					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5319					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6500e-003	3.6500e-003	1.0000e-005	0.0000	3.8600e-003
Total	**0.6479**	**2.0000e-005**	**1.9000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.6500e-003**	**3.6500e-003**	**1.0000e-005**	**0.0000**	**3.8600e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1158					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5319					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9000e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.6500e-003	3.6500e-003	1.0000e-005	0.0000	3.8600e-003
Total	**0.6479**	**2.0000e-005**	**1.9000e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**3.6500e-003**	**3.6500e-003**	**1.0000e-005**	**0.0000**	**3.8600e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	43.5514	0.1593	4.1100e-003	48.1709
Unmitigated	43.5514	0.1593	4.1200e-003	48.1733

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	4.83035 / 7.55516	43.5514	0.1593	4.1200e-003	48.1733
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000

Total		**43.5514**	**0.1593**	**4.1200e-003**	**48.1733**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	4.83035 / 7.55516	43.5514	0.1593	4.1100e-003	48.1709
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**43.5514**	**0.1593**	**4.1100e-003**	**48.1709**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	25.9869	1.5358	0.0000	58.2383
Unmitigated	25.9869	1.5358	0.0000	58.2383

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	128.02	25.9869	1.5358	0.0000	58.2383
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**25.9869**	**1.5358**	**0.0000**	**58.2383**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	128.02	25.9869	1.5358	0.0000	58.2383
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**25.9869**	**1.5358**	**0.0000**	**58.2383**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 2 - Adaptive PE, Gymnasium and Pool

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	98.48	1000sqft	3.10	98,477.00	0
Parking Lot	48.72	1000sqft	1.12	48,720.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Demolition -

Architectural Coating - scaqmd rule 1113. non-res interior = 50 g/l. non-res exterior traffic coatings = 100 g/l, adjusted to 242 g/l
Adjusted to reflect that parking lot of is exterior
Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	18.00	20.00
tblLandUse	LandUseSquareFeet	98,480.00	98,477.00
tblLandUse	LotAcreage	2.26	3.10
tblProjectCharacteristics	OperationalYear	2014	2019

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.3440	45.6756	37.0600	0.0501	18.2675	2.3668	20.6342	9.9840	2.1774	12.1615	0.0000	4,936.5810	4,936.5810	1.2348	0.0000	4,962.5122
2019	29.2497	22.7866	21.8494	0.0404	0.8430	1.3156	2.1586	0.2265	1.2364	1.4629	0.0000	3,707.7192	3,707.7192	0.6588	0.0000	3,721.5549
Total	**33.5938**	**68.4622**	**58.9094**	**0.0906**	**19.1105**	**3.6823**	**22.7928**	**10.2106**	**3.4138**	**13.6244**	**0.0000**	**8,644.3001**	**8,644.3001**	**1.8937**	**0.0000**	**8,684.0671**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Year	lb/day										lb/day					
2018	4.3440	45.6756	37.0600	0.0501	7.2470	2.3668	9.6138	3.9263	2.1774	6.1038	0.0000	4,936.5810	4,936.5810	1.2348	0.0000	4,962.5122
2019	29.2497	22.7866	21.8494	0.0404	0.8430	1.3156	2.1586	0.2265	1.2364	1.4629	0.0000	3,707.7192	3,707.7192	0.6588	0.0000	3,721.5549
Total	**33.5938**	**68.4622**	**58.9094**	**0.0906**	**8.0901**	**3.6823**	**11.7724**	**4.1528**	**3.4138**	**7.5667**	**0.0000**	**8,644.3001**	**8,644.3001**	**1.8937**	**0.0000**	**8,684.0671**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**57.67**	**0.00**	**48.35**	**59.33**	**0.00**	**44.46**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.5505	1.4000e-004	0.0152	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0322	0.0322	9.0000e-005		0.0341
Energy	0.0462	0.4195	0.3524	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.4151	503.4151	9.6500e-003	9.2300e-003	506.4788
Mobile	7.1514	16.0954	77.9747	0.2429	17.2786	0.2501	17.5287	4.6105	0.2308	4.8413		19,174.2627	19,174.2627	0.6891		19,188.7337
Total	**10.7481**	**16.5150**	**78.3423**	**0.2454**	**17.2786**	**0.2820**	**17.5606**	**4.6105**	**0.2627**	**4.8732**		**19,677.7100**	**19,677.7100**	**0.6988**	**9.2300e-003**	**19,695.2465**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	3.5505	1.4000e-004	0.0152	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0322	0.0322	9.0000e-005		0.0341
Energy	0.0462	0.4195	0.3524	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.4151	503.4151	9.6500e-003	9.2300e-003	506.4788
Mobile	7.1514	16.0954	77.9747	0.2429	17.2786	0.2501	17.5287	4.6105	0.2308	4.8413		19,174.2627	19,174.2627	0.6891		19,188.7337
Total	**10.7481**	**16.5150**	**78.3423**	**0.2454**	**17.2786**	**0.2820**	**17.5606**	**4.6105**	**0.2627**	**4.8732**		**19,677.7100**	**19,677.7100**	**0.6988**	**9.2300e-003**	**19,695.2465**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2018	6/28/2018	5	20	
2	Site Preparation	Site Preparation	6/29/2018	7/5/2018	5	5	
3	Grading	Grading	7/6/2018	7/17/2018	5	8	
4	Trenching	Trenching	7/18/2018	7/31/2018	5	10	
5	Building Construction	Building Construction	8/1/2018	6/18/2019	5	230	
6	Paving	Paving	6/19/2019	7/12/2019	5	18	
7	Architectural Coating	Architectural Coating	7/13/2019	8/9/2019	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 149,908; Non-Residential Outdoor: 49,969 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Plate Compactors	2	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	2	8.00	80	0.50
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	222.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Trenching	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	62.00	24.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3979	0.0000	2.3979	0.3631	0.0000	0.3631			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856		3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**2.3979**	**1.8090**	**4.2068**	**0.3631**	**1.6856**	**2.0487**		**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1856	2.6038	2.0564	8.1500e-003	0.1934	0.0421	0.2355	0.0530	0.0387	0.0917		795.7729	795.7729	5.8100e-003		795.8950
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254
Total	**0.2288**	**2.6595**	**2.7443**	**0.0102**	**0.3611**	**0.0432**	**0.4043**	**0.0974**	**0.0398**	**0.1372**		**953.2528**	**953.2528**	**0.0127**		**953.5204**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9352	0.0000	0.9352	0.1416	0.0000	0.1416			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856	0.0000	3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**0.9352**	**1.8090**	**2.7441**	**0.1416**	**1.6856**	**1.8272**	**0.0000**	**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1856	2.6038	2.0564	8.1500e-003	0.1934	0.0421	0.2355	0.0530	0.0387	0.0917		795.7729	795.7729	5.8100e-003		795.8950
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254
Total	**0.2288**	**2.6595**	**2.7443**	**0.0102**	**0.3611**	**0.0432**	**0.4043**	**0.0974**	**0.0398**	**0.1372**		**953.2528**	**953.2528**	**0.0127**		**953.5204**

3.3 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762		3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**		**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0519	0.0669	0.8255	2.4400e-003	0.2012	1.3600e-003	0.2026	0.0534	1.2600e-003	0.0546		188.9759	188.9759	8.3200e-003		189.1505
Total	**0.0519**	**0.0669**	**0.8255**	**2.4400e-003**	**0.2012**	**1.3600e-003**	**0.2026**	**0.0534**	**1.2600e-003**	**0.0546**		**188.9759**	**188.9759**	**8.3200e-003**		**189.1505**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762	0.0000	3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**7.0458**	**2.3654**	**9.4113**	**3.8730**	**2.1762**	**6.0491**	**0.0000**	**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0519	0.0669	0.8255	2.4400e-003	0.2012	1.3600e-003	0.2026	0.0534	1.2600e-003	0.0546		188.9759	188.9759	8.3200e-003		189.1505
Total	**0.0519**	**0.0669**	**0.8255**	**2.4400e-003**	**0.2012**	**1.3600e-003**	**0.2026**	**0.0534**	**1.2600e-003**	**0.0546**		**188.9759**	**188.9759**	**8.3200e-003**		**189.1505**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825		2,993.1005	2,993.1005	0.9318		3,012.6681
Total	**3.0028**	**31.0702**	**23.9988**	**0.0297**	**6.5523**	**1.7201**	**8.2724**	**3.3675**	**1.5825**	**4.9500**		**2,993.1005**	**2,993.1005**	**0.9318**		**3,012.6681**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254
Total	**0.0433**	**0.0557**	**0.6879**	**2.0300e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0500e-003**	**0.0455**		**157.4799**	**157.4799**	**6.9300e-003**		**157.6254**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825	0.0000	2,993.1005	2,993.1005	0.9318		3,012.6681
Total	**3.0028**	**31.0702**	**23.9988**	**0.0297**	**2.5554**	**1.7201**	**4.2755**	**1.3133**	**1.5825**	**2.8958**	**0.0000**	**2,993.1005**	**2,993.1005**	**0.9318**		**3,012.6681**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254
Total	**0.0433**	**0.0557**	**0.6879**	**2.0300e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0500e-003**	**0.0455**		**157.4799**	**157.4799**	**6.9300e-003**		**157.6254**

3.5 Trenching - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2748	11.4785	8.1968	0.0110		0.8407	0.8407		0.7750	0.7750		1,078.3462	1,078.3462	0.3214		1,085.0955
Total	**1.2748**	**11.4785**	**8.1968**	**0.0110**		**0.8407**	**0.8407**		**0.7750**	**0.7750**		**1,078.3462**	**1,078.3462**	**0.3214**		**1,085.0955**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0375	0.0483	0.5962	1.7600e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		136.4826	136.4826	6.0100e-003		136.6087

Total	**0.0375**	**0.0483**	**0.5962**	**1.7600e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**136.4826**	**136.4826**	**6.0100e-003**		**136.6087**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2748	11.4785	8.1968	0.0110		0.8407	0.8407		0.7750	0.7750	0.0000	1,078.3462	1,078.3462	0.3214		1,085.0955
Total	**1.2748**	**11.4785**	**8.1968**	**0.0110**		**0.8407**	**0.8407**		**0.7750**	**0.7750**	**0.0000**	**1,078.3462**	**1,078.3462**	**0.3214**		**1,085.0955**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0375	0.0483	0.5962	1.7600e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		136.4826	136.4826	6.0100e-003		136.6087
Total	**0.0375**	**0.0483**	**0.5962**	**1.7600e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**136.4826**	**136.4826**	**6.0100e-003**		**136.6087**

3.6 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**		**2,609.9390**	**2,609.9390**	**0.6387**		**2,623.3517**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1813	1.7338	2.1907	5.1800e-003	0.1500	0.0277	0.1777	0.0427	0.0255	0.0682		503.2977	503.2977	3.5600e-003		503.3725
Worker	0.1788	0.2303	2.8433	8.4100e-003	0.6930	4.6800e-003	0.6977	0.1838	4.3300e-003	0.1881		650.9168	650.9168	0.0287		651.5184
Total	**0.3600**	**1.9641**	**5.0340**	**0.0136**	**0.8430**	**0.0324**	**0.8754**	**0.2265**	**0.0298**	**0.2563**		**1,154.2146**	**1,154.2146**	**0.0322**		**1,154.8909**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**	**0.0000**	**2,609.9389**	**2,609.9389**	**0.6387**		**2,623.3517**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1813	1.7338	2.1907	5.1800e-003	0.1500	0.0277	0.1777	0.0427	0.0255	0.0682		503.2977	503.2977	3.5600e-003		503.3725
Worker	0.1788	0.2303	2.8433	8.4100e-003	0.6930	4.6800e-003	0.6977	0.1838	4.3300e-003	0.1881		650.9168	650.9168	0.0287		651.5184
Total	**0.3600**	**1.9641**	**5.0340**	**0.0136**	**0.8430**	**0.0324**	**0.8754**	**0.2265**	**0.0298**	**0.2563**		**1,154.2146**	**1,154.2146**	**0.0322**		**1,154.8909**

3.6 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**		**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1700	1.6081	2.0746	5.1900e-003	0.1500	0.0258	0.1758	0.0427	0.0237	0.0665		496.3010	496.3010	3.5800e-003		496.3762
Worker	0.1673	0.2134	2.6544	8.4500e-003	0.6930	4.7200e-003	0.6977	0.1838	4.3700e-003	0.1882		630.6565	630.6565	0.0274		631.2308
Total	**0.3373**	**1.8215**	**4.7290**	**0.0136**	**0.8430**	**0.0305**	**0.8736**	**0.2265**	**0.0281**	**0.2546**		**1,126.9574**	**1,126.9574**	**0.0309**		**1,127.6070**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**	**0.0000**	**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1700	1.6081	2.0746	5.1900e-003	0.1500	0.0258	0.1758	0.0427	0.0237	0.0665		496.3010	496.3010	3.5800e-003		496.3762
Worker	0.1673	0.2134	2.6544	8.4500e-003	0.6930	4.7200e-003	0.6977	0.1838	4.3700e-003	0.1882		630.6565	630.6565	0.0274		631.2308
Total	**0.3373**	**1.8215**	**4.7290**	**0.0136**	**0.8430**	**0.0305**	**0.8736**	**0.2265**	**0.0281**	**0.2546**		**1,126.9574**	**1,126.9574**	**0.0309**		**1,127.6070**

3.7 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560		1,816.2490	1,816.2490	0.5585		1,827.9782
Paving	0.1630					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4150**	**12.5889**	**12.1441**	**0.0187**		**0.7111**	**0.7111**		**0.6560**	**0.6560**		**1,816.2490**	**1,816.2490**	**0.5585**		**1,827.9782**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0688	0.8563	2.7300e-003	0.2236	1.5200e-003	0.2251	0.0593	1.4100e-003	0.0607		203.4376	203.4376	8.8200e-003		203.6228

Total	**0.0540**	**0.0688**	**0.8563**	**2.7300e-003**	**0.2236**	**1.5200e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**203.4376**	**203.4376**	**8.8200e-003**		**203.6228**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560	0.0000	1,816.2490	1,816.2490	0.5585		1,827.9782
Paving	0.1630					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4150**	**12.5889**	**12.1441**	**0.0187**		**0.7111**	**0.7111**		**0.6560**	**0.6560**	**0.0000**	**1,816.2490**	**1,816.2490**	**0.5585**		**1,827.9782**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0688	0.8563	2.7300e-003	0.2236	1.5200e-003	0.2251	0.0593	1.4100e-003	0.0607		203.4376	203.4376	8.8200e-003		203.6228
Total	**0.0540**	**0.0688**	**0.8563**	**2.7300e-003**	**0.2236**	**1.5200e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**203.4376**	**203.4376**	**8.8200e-003**		**203.6228**

3.8 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.9509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	**29.2174**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**281.9473**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0324	0.0413	0.5138	1.6400e-003	0.1341	9.1000e-004	0.1350	0.0356	8.5000e-004	0.0364		122.0625	122.0625	5.2900e-003		122.1737
Total	**0.0324**	**0.0413**	**0.5138**	**1.6400e-003**	**0.1341**	**9.1000e-004**	**0.1350**	**0.0356**	**8.5000e-004**	**0.0364**		**122.0625**	**122.0625**	**5.2900e-003**		**122.1737**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	28.9509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	**29.2174**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**281.9473**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0324	0.0413	0.5138	1.6400e-003	0.1341	9.1000e-004	0.1350	0.0356	8.5000e-004	0.0364		122.0625	122.0625	5.2900e-003		122.1737
Total	**0.0324**	**0.0413**	**0.5138**	**1.6400e-003**	**0.1341**	**9.1000e-004**	**0.1350**	**0.0356**	**8.5000e-004**	**0.0364**		**122.0625**	**122.0625**	**5.2900e-003**		**122.1737**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.1514	16.0954	77.9747	0.2429	17.2786	0.2501	17.5287	4.6105	0.2308	4.8413		19,174.2627	19,174.2627	0.6891		19,188.7337
Unmitigated	7.1514	16.0954	77.9747	0.2429	17.2786	0.2501	17.5287	4.6105	0.2308	4.8413		19,174.2627	19,174.2627	0.6891		19,188.7337

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	2,707.22	1,105.93	119.16	6,369,145	6,369,145
Parking Lot	0.00	0.00	0.00		
Total	2,707.22	1,105.93	119.16	6,369,145	6,369,145

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.509471	0.056616	0.192725	0.151095	0.041772	0.005913	0.015766	0.015535	0.001447	0.002155	0.004735	0.000502	0.002269

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0462	0.4195	0.3524	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.4151	503.4151	9.6500e-003	9.2300e-003	506.4788
NaturalGas Unmitigated	0.0462	0.4195	0.3524	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.4151	503.4151	9.6500e-003	9.2300e-003	506.4788

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4279.03	0.0462	0.4195	0.3524	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.4151	503.4151	9.6500e-003	9.2300e-003	506.4788
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0462**	**0.4195**	**0.3524**	**2.5200e-003**		**0.0319**	**0.0319**		**0.0319**	**0.0319**		**503.4151**	**503.4151**	**9.6500e-003**	**9.2300e-003**	**506.4788**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4.27903	0.0462	0.4195	0.3524	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.4151	503.4151	9.6500e-003	9.2300e-003	506.4788
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0462**	**0.4195**	**0.3524**	**2.5200e-003**		**0.0319**	**0.0319**		**0.0319**	**0.0319**		**503.4151**	**503.4151**	**9.6500e-003**	**9.2300e-003**	**506.4788**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.5505	1.4000e-004	0.0152	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0322	0.0322	9.0000e-005		0.0341
Unmitigated	3.5505	1.4000e-004	0.0152	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0322	0.0322	9.0000e-005		0.0341

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6345					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0152	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0322	0.0322	9.0000e-005		0.0341
Total	**3.5505**	**1.4000e-004**	**0.0152**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**		**0.0322**	**0.0322**	**9.0000e-005**		**0.0341**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Architectural Coating	0.6345					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0152	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0322	0.0322	9.0000e-005		0.0341
Total	**3.5505**	**1.4000e-004**	**0.0152**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**		**0.0322**	**0.0322**	**9.0000e-005**		**0.0341**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 2 - Adaptive PE, Gymnasium and Pool

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	98.48	1000sqft	3.10	98,477.00	0
Parking Lot	48.72	1000sqft	1.12	48,720.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Demolition -

Architectural Coating - scaqmd rule 1113. non-res interior = 50 g/l. non-res exterior traffic coatings = 100 g/l, adjusted to 242 g/l
Adjusted to reflect that parking lot of is exterior
Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	18.00	20.00
tblLandUse	LandUseSquareFeet	98,480.00	98,477.00
tblLandUse	LotAcreage	2.26	3.10
tblProjectCharacteristics	OperationalYear	2014	2019

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.3466	45.6823	37.0074	0.0500	18.2675	2.3668	20.6342	9.9840	2.1774	12.1615	0.0000	4,926.3351	4,926.3351	1.2348	0.0000	4,952.2664
2019	29.2513	22.8432	22.1563	0.0400	0.8430	1.3158	2.1589	0.2265	1.2366	1.4631	0.0000	3,670.0250	3,670.0250	0.6590	0.0000	3,683.8631
Total	**33.5979**	**68.5255**	**59.1637**	**0.0899**	**19.1105**	**3.6826**	**22.7931**	**10.2106**	**3.4141**	**13.6246**	**0.0000**	**8,596.3601**	**8,596.3601**	**1.8938**	**0.0000**	**8,636.1295**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Year	lb/day										lb/day					
2018	4.3466	45.6823	37.0074	0.0500	7.2470	2.3668	9.6138	3.9263	2.1774	6.1038	0.0000	4,926.3351	4,926.3351	1.2348	0.0000	4,952.2664
2019	29.2513	22.8432	22.1563	0.0400	0.8430	1.3158	2.1589	0.2265	1.2366	1.4631	0.0000	3,670.0250	3,670.0250	0.6590	0.0000	3,683.8631
Total	**33.5979**	**68.5255**	**59.1637**	**0.0899**	**8.0901**	**3.6826**	**11.7727**	**4.1528**	**3.4141**	**7.5669**	**0.0000**	**8,596.3601**	**8,596.3601**	**1.8938**	**0.0000**	**8,636.1295**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**57.67**	**0.00**	**48.35**	**59.33**	**0.00**	**44.46**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.5505	1.4000e-004	0.0152	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0322	0.0322	9.0000e-005		0.0341
Energy	0.0462	0.4195	0.3524	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.4151	503.4151	9.6500e-003	9.2300e-003	506.4788
Mobile	7.5470	16.9767	77.5929	0.2320	17.2786	0.2510	17.5296	4.6105	0.2316	4.8421		18,343.8325	18,343.8325	0.6895		18,358.3128
Total	**11.1436**	**17.3964**	**77.9605**	**0.2345**	**17.2786**	**0.2829**	**17.5616**	**4.6105**	**0.2635**	**4.8740**		**18,847.2798**	**18,847.2798**	**0.6993**	**9.2300e-003**	**18,864.8256**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	3.5505	1.4000e-004	0.0152	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0322	0.0322	9.0000e-005		0.0341
Energy	0.0462	0.4195	0.3524	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.4151	503.4151	9.6500e-003	9.2300e-003	506.4788
Mobile	7.5470	16.9767	77.5929	0.2320	17.2786	0.2510	17.5296	4.6105	0.2316	4.8421		18,343.8325	18,343.8325	0.6895		18,358.3128
Total	**11.1436**	**17.3964**	**77.9605**	**0.2345**	**17.2786**	**0.2829**	**17.5616**	**4.6105**	**0.2635**	**4.8740**		**18,847.2798**	**18,847.2798**	**0.6993**	**9.2300e-003**	**18,864.8256**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2018	6/28/2018	5	20	
2	Site Preparation	Site Preparation	6/29/2018	7/5/2018	5	5	
3	Grading	Grading	7/6/2018	7/17/2018	5	8	
4	Trenching	Trenching	7/18/2018	7/31/2018	5	10	
5	Building Construction	Building Construction	8/1/2018	6/18/2019	5	230	
6	Paving	Paving	6/19/2019	7/12/2019	5	18	
7	Architectural Coating	Architectural Coating	7/13/2019	8/9/2019	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 149,908; Non-Residential Outdoor: 49,969 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Plate Compactors	2	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	2	8.00	80	0.50
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	222.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Trenching	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	62.00	24.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3979	0.0000	2.3979	0.3631	0.0000	0.3631			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856		3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**2.3979**	**1.8090**	**4.2068**	**0.3631**	**1.6856**	**2.0487**		**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1966	2.6927	2.3865	8.1300e-003	0.1934	0.0422	0.2356	0.0530	0.0388	0.0918		793.8731	793.8731	5.9000e-003		793.9969
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794
Total	**0.2420**	**2.7540**	**3.0305**	**0.0101**	**0.3611**	**0.0433**	**0.4044**	**0.0974**	**0.0398**	**0.1373**		**943.0070**	**943.0070**	**0.0128**		**943.2763**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9352	0.0000	0.9352	0.1416	0.0000	0.1416			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856	0.0000	3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**0.9352**	**1.8090**	**2.7441**	**0.1416**	**1.6856**	**1.8272**	**0.0000**	**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1966	2.6927	2.3865	8.1300e-003	0.1934	0.0422	0.2356	0.0530	0.0388	0.0918		793.8731	793.8731	5.9000e-003		793.9969
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794
Total	**0.2420**	**2.7540**	**3.0305**	**0.0101**	**0.3611**	**0.0433**	**0.4044**	**0.0974**	**0.0398**	**0.1373**		**943.0070**	**943.0070**	**0.0128**		**943.2763**

3.3 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762		3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**		**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0545	0.0735	0.7728	2.3100e-003	0.2012	1.3600e-003	0.2026	0.0534	1.2600e-003	0.0546		178.9606	178.9606	8.3200e-003		179.1353
Total	**0.0545**	**0.0735**	**0.7728**	**2.3100e-003**	**0.2012**	**1.3600e-003**	**0.2026**	**0.0534**	**1.2600e-003**	**0.0546**		**178.9606**	**178.9606**	**8.3200e-003**		**179.1353**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762	0.0000	3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**7.0458**	**2.3654**	**9.4113**	**3.8730**	**2.1762**	**6.0491**	**0.0000**	**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0545	0.0735	0.7728	2.3100e-003	0.2012	1.3600e-003	0.2026	0.0534	1.2600e-003	0.0546		178.9606	178.9606	8.3200e-003		179.1353
Total	**0.0545**	**0.0735**	**0.7728**	**2.3100e-003**	**0.2012**	**1.3600e-003**	**0.2026**	**0.0534**	**1.2600e-003**	**0.0546**		**178.9606**	**178.9606**	**8.3200e-003**		**179.1353**

3.4 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825		2,993.1005	2,993.1005	0.9318		3,012.6681
Total	**3.0028**	**31.0702**	**23.9988**	**0.0297**	**6.5523**	**1.7201**	**8.2724**	**3.3675**	**1.5825**	**4.9500**		**2,993.1005**	**2,993.1005**	**0.9318**		**3,012.6681**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794
Total	**0.0454**	**0.0613**	**0.6440**	**1.9300e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0500e-003**	**0.0455**		**149.1338**	**149.1338**	**6.9300e-003**		**149.2794**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825	0.0000	2,993.1005	2,993.1005	0.9318		3,012.6681
Total	**3.0028**	**31.0702**	**23.9988**	**0.0297**	**2.5554**	**1.7201**	**4.2755**	**1.3133**	**1.5825**	**2.8958**	**0.0000**	**2,993.1005**	**2,993.1005**	**0.9318**		**3,012.6681**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794
Total	**0.0454**	**0.0613**	**0.6440**	**1.9300e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0500e-003**	**0.0455**		**149.1338**	**149.1338**	**6.9300e-003**		**149.2794**

3.5 Trenching - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2748	11.4785	8.1968	0.0110		0.8407	0.8407		0.7750	0.7750		1,078.3462	1,078.3462	0.3214		1,085.0955
Total	**1.2748**	**11.4785**	**8.1968**	**0.0110**		**0.8407**	**0.8407**		**0.7750**	**0.7750**		**1,078.3462**	**1,078.3462**	**0.3214**		**1,085.0955**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0531	0.5582	1.6700e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		129.2493	129.2493	6.0100e-003		129.3755

Total	**0.0393**	**0.0531**	**0.5582**	**1.6700e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**129.2493**	**129.2493**	**6.0100e-003**		**129.3755**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2748	11.4785	8.1968	0.0110		0.8407	0.8407		0.7750	0.7750	0.0000	1,078.3462	1,078.3462	0.3214		1,085.0955
Total	**1.2748**	**11.4785**	**8.1968**	**0.0110**		**0.8407**	**0.8407**		**0.7750**	**0.7750**	**0.0000**	**1,078.3462**	**1,078.3462**	**0.3214**		**1,085.0955**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0531	0.5582	1.6700e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		129.2493	129.2493	6.0100e-003		129.3755
Total	**0.0393**	**0.0531**	**0.5582**	**1.6700e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**129.2493**	**129.2493**	**6.0100e-003**		**129.3755**

3.6 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**		**2,609.9390**	**2,609.9390**	**0.6387**		**2,623.3517**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1995	1.7728	2.6763	5.1400e-003	0.1500	0.0279	0.1780	0.0427	0.0257	0.0684		499.0334	499.0334	3.6800e-003		499.1106
Worker	0.1876	0.2532	2.6620	7.9600e-003	0.6930	4.6800e-003	0.6977	0.1838	4.3300e-003	0.1881		616.4199	616.4199	0.0287		617.0215
Total	**0.3872**	**2.0260**	**5.3383**	**0.0131**	**0.8430**	**0.0326**	**0.8756**	**0.2265**	**0.0300**	**0.2565**		**1,115.4533**	**1,115.4533**	**0.0323**		**1,116.1321**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**	**0.0000**	**2,609.9389**	**2,609.9389**	**0.6387**		**2,623.3517**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1995	1.7728	2.6763	5.1400e-003	0.1500	0.0279	0.1780	0.0427	0.0257	0.0684		499.0334	499.0334	3.6800e-003		499.1106
Worker	0.1876	0.2532	2.6620	7.9600e-003	0.6930	4.6800e-003	0.6977	0.1838	4.3300e-003	0.1881		616.4199	616.4199	0.0287		617.0215
Total	**0.3872**	**2.0260**	**5.3383**	**0.0131**	**0.8430**	**0.0326**	**0.8756**	**0.2265**	**0.0300**	**0.2565**		**1,115.4533**	**1,115.4533**	**0.0323**		**1,116.1321**

3.6 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**		**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1862	1.6435	2.5574	5.1500e-003	0.1500	0.0261	0.1761	0.0427	0.0240	0.0667		492.1004	492.1004	3.7000e-003		492.1782
Worker	0.1754	0.2346	2.4785	8.0000e-003	0.6930	4.7200e-003	0.6977	0.1838	4.3700e-003	0.1882		597.1628	597.1628	0.0274		597.7371
Total	**0.3615**	**1.8781**	**5.0360**	**0.0132**	**0.8430**	**0.0308**	**0.8738**	**0.2265**	**0.0283**	**0.2549**		**1,089.2632**	**1,089.2632**	**0.0311**		**1,089.9152**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**	**0.0000**	**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1862	1.6435	2.5574	5.1500e-003	0.1500	0.0261	0.1761	0.0427	0.0240	0.0667		492.1004	492.1004	3.7000e-003		492.1782
Worker	0.1754	0.2346	2.4785	8.0000e-003	0.6930	4.7200e-003	0.6977	0.1838	4.3700e-003	0.1882		597.1628	597.1628	0.0274		597.7371
Total	**0.3615**	**1.8781**	**5.0360**	**0.0132**	**0.8430**	**0.0308**	**0.8738**	**0.2265**	**0.0283**	**0.2549**		**1,089.2632**	**1,089.2632**	**0.0311**		**1,089.9152**

3.7 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560		1,816.2490	1,816.2490	0.5585		1,827.9782
Paving	0.1630					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4150**	**12.5889**	**12.1441**	**0.0187**		**0.7111**	**0.7111**		**0.6560**	**0.6560**		**1,816.2490**	**1,816.2490**	**0.5585**		**1,827.9782**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0757	0.7995	2.5800e-003	0.2236	1.5200e-003	0.2251	0.0593	1.4100e-003	0.0607		192.6332	192.6332	8.8200e-003		192.8184

Total	**0.0566**	**0.0757**	**0.7995**	**2.5800e-003**	**0.2236**	**1.5200e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**192.6332**	**192.6332**	**8.8200e-003**		**192.8184**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560	0.0000	1,816.2490	1,816.2490	0.5585		1,827.9782
Paving	0.1630					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.4150**	**12.5889**	**12.1441**	**0.0187**		**0.7111**	**0.7111**		**0.6560**	**0.6560**	**0.0000**	**1,816.2490**	**1,816.2490**	**0.5585**		**1,827.9782**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0757	0.7995	2.5800e-003	0.2236	1.5200e-003	0.2251	0.0593	1.4100e-003	0.0607		192.6332	192.6332	8.8200e-003		192.8184
Total	**0.0566**	**0.0757**	**0.7995**	**2.5800e-003**	**0.2236**	**1.5200e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**192.6332**	**192.6332**	**8.8200e-003**		**192.8184**

3.8 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.9509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	**29.2174**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**281.9473**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0339	0.0454	0.4797	1.5500e-003	0.1341	9.1000e-004	0.1350	0.0356	8.5000e-004	0.0364		115.5799	115.5799	5.2900e-003		115.6910
Total	**0.0339**	**0.0454**	**0.4797**	**1.5500e-003**	**0.1341**	**9.1000e-004**	**0.1350**	**0.0356**	**8.5000e-004**	**0.0364**		**115.5799**	**115.5799**	**5.2900e-003**		**115.6910**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	28.9509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	**29.2174**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**281.9473**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0339	0.0454	0.4797	1.5500e-003	0.1341	9.1000e-004	0.1350	0.0356	8.5000e-004	0.0364		115.5799	115.5799	5.2900e-003		115.6910
Total	**0.0339**	**0.0454**	**0.4797**	**1.5500e-003**	**0.1341**	**9.1000e-004**	**0.1350**	**0.0356**	**8.5000e-004**	**0.0364**		**115.5799**	**115.5799**	**5.2900e-003**		**115.6910**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.5470	16.9767	77.5929	0.2320	17.2786	0.2510	17.5296	4.6105	0.2316	4.8421		18,343.8325	18,343.8325	0.6895		18,358.3128
Unmitigated	7.5470	16.9767	77.5929	0.2320	17.2786	0.2510	17.5296	4.6105	0.2316	4.8421		18,343.8325	18,343.8325	0.6895		18,358.3128

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	2,707.22	1,105.93	119.16	6,369,145	6,369,145
Parking Lot	0.00	0.00	0.00		
Total	2,707.22	1,105.93	119.16	6,369,145	6,369,145

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.509471	0.056616	0.192725	0.151095	0.041772	0.005913	0.015766	0.015535	0.001447	0.002155	0.004735	0.000502	0.002269

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0462	0.4195	0.3524	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.4151	503.4151	9.6500e-003	9.2300e-003	506.4788
NaturalGas Unmitigated	0.0462	0.4195	0.3524	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.4151	503.4151	9.6500e-003	9.2300e-003	506.4788

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4279.03	0.0462	0.4195	0.3524	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.4151	503.4151	9.6500e-003	9.2300e-003	506.4788
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0462**	**0.4195**	**0.3524**	**2.5200e-003**		**0.0319**	**0.0319**		**0.0319**	**0.0319**		**503.4151**	**503.4151**	**9.6500e-003**	**9.2300e-003**	**506.4788**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4.27903	0.0462	0.4195	0.3524	2.5200e-003		0.0319	0.0319		0.0319	0.0319		503.4151	503.4151	9.6500e-003	9.2300e-003	506.4788
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0462**	**0.4195**	**0.3524**	**2.5200e-003**		**0.0319**	**0.0319**		**0.0319**	**0.0319**		**503.4151**	**503.4151**	**9.6500e-003**	**9.2300e-003**	**506.4788**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.5505	1.4000e-004	0.0152	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0322	0.0322	9.0000e-005		0.0341
Unmitigated	3.5505	1.4000e-004	0.0152	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0322	0.0322	9.0000e-005		0.0341

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6345					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0152	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0322	0.0322	9.0000e-005		0.0341
Total	**3.5505**	**1.4000e-004**	**0.0152**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**		**0.0322**	**0.0322**	**9.0000e-005**		**0.0341**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Architectural Coating	0.6345					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.9145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4400e-003	1.4000e-004	0.0152	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.0322	0.0322	9.0000e-005		0.0341
Total	**3.5505**	**1.4000e-004**	**0.0152**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**		**0.0322**	**0.0322**	**9.0000e-005**		**0.0341**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 3 - Chemistry Building

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	43.92	1000sqft	0.39	43,916.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Chemistry Building will be multiple stories

Construction Phase - modified

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - modified

Demolition -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value

tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	5.00	10.00
tblLandUse	LandUseSquareFeet	43,920.00	43,916.00
tblLandUse	LotAcreage	1.01	0.39
tblProjectCharacteristics	OperationalYear	2014	2022

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0410	0.3961	0.3769	6.6000e-004	0.0233	0.0226	0.0458	4.9800e-003	0.0209	0.0258	0.0000	55.6388	55.6388	0.0131	0.0000	55.9129
2021	0.1453	0.1707	0.1786	3.2000e-004	4.9300e-003	9.2800e-003	0.0142	1.3200e-003	8.5800e-003	9.9000e-003	0.0000	26.4267	26.4267	6.5500e-003	0.0000	26.5642
Total	**0.1863**	**0.5668**	**0.5555**	**9.8000e-004**	**0.0282**	**0.0318**	**0.0600**	**6.3000e-003**	**0.0294**	**0.0357**	**0.0000**	**82.0655**	**82.0655**	**0.0196**	**0.0000**	**82.4771**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0410	0.3961	0.3769	6.6000e-004	0.0151	0.0226	0.0377	3.5700e-003	0.0209	0.0244	0.0000	55.6388	55.6388	0.0131	0.0000	55.9128
2021	0.1453	0.1707	0.1786	3.2000e-004	4.9300e-003	9.2800e-003	0.0142	1.3200e-003	8.5800e-003	9.9000e-003	0.0000	26.4267	26.4267	6.5500e-003	0.0000	26.5642

Total	**0.1863**	**0.5668**	**0.5555**	**9.8000e-004**	**0.0201**	**0.0318**	**0.0519**	**4.8900e-003**	**0.0294**	**0.0343**	**0.0000**	**82.0655**	**82.0655**	**0.0196**	**0.0000**	**82.4771**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**28.85**	**0.00**	**13.53**	**22.38**	**0.00**	**3.95**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2096	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1500e-003
Energy	3.7600e-003	0.0341	0.0287	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	213.7389	213.7389	8.8300e-003	2.3600e-003	214.6562
Mobile	0.3980	0.8550	4.2203	0.0149	1.0734	0.0150	1.0884	0.2869	0.0139	0.3007	0.0000	1,006.7092	1,006.7092	0.0347	0.0000	1,007.4382
Waste						0.0000	0.0000		0.0000	0.0000	11.5908	0.0000	11.5908	0.6850	0.0000	25.9757
Water						0.0000	0.0000		0.0000	0.0000	0.6834	18.7396	19.4230	0.0711	1.8400e-003	21.4843
Total	**0.6113**	**0.8892**	**4.2495**	**0.0151**	**1.0734**	**0.0176**	**1.0910**	**0.2869**	**0.0165**	**0.3033**	**12.2742**	**1,239.1888**	**1,251.4630**	**0.7996**	**4.2000e-003**	**1,269.5555**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2096	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1500e-003

Energy	3.7600e-003	0.0341	0.0287	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	213.7389	213.7389	8.8300e-003	2.3600e-003	214.6562
Mobile	0.3980	0.8550	4.2203	0.0149	1.0734	0.0150	1.0884	0.2869	0.0139	0.3007	0.0000	1,006.7092	1,006.7092	0.0347	0.0000	1,007.4382
Waste						0.0000	0.0000		0.0000	0.0000	11.5908	0.0000	11.5908	0.6850	0.0000	25.9757
Water						0.0000	0.0000		0.0000	0.0000	0.6834	18.7396	19.4230	0.0710	1.8300e-003	21.4832
Total	**0.6113**	**0.8892**	**4.2495**	**0.0151**	**1.0734**	**0.0176**	**1.0910**	**0.2869**	**0.0165**	**0.3033**	**12.2742**	**1,239.1888**	**1,251.4630**	**0.7996**	**4.1900e-003**	**1,269.5544**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.24**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/14/2020	5	10	
2	Site Preparation	Site Preparation	9/15/2020	9/15/2020	5	1	
3	Grading	Grading	9/16/2020	9/17/2020	5	2	
4	Trenching	Trenching	9/18/2020	10/1/2020	5	10	
5	Building Construction	Building Construction	10/2/2020	2/18/2021	5	100	
6	Paving	Paving	2/19/2021	2/25/2021	5	5	
7	Architectural Coating	Architectural Coating	2/26/2021	3/11/2021	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 65,874; Non-Residential Outdoor: 21,958 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	1	8.00	80	0.50
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	114.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	18.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0123	0.0000	0.0123	1.8600e-003	0.0000	1.8600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2600e-003	0.0386	0.0405	6.0000e-005		2.2800e-003	2.2800e-003		2.1800e-003	2.1800e-003	0.0000	5.2240	5.2240	9.9000e-004	0.0000	5.2448
Total	**4.2600e-003**	**0.0386**	**0.0405**	**6.0000e-005**	**0.0123**	**2.2800e-003**	**0.0146**	**1.8600e-003**	**2.1800e-003**	**4.0400e-003**	**0.0000**	**5.2240**	**5.2240**	**9.9000e-004**	**0.0000**	**5.2448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.1000e-004	0.0118	0.0111	4.0000e-005	9.8000e-004	2.1000e-004	1.1900e-003	2.7000e-004	1.9000e-004	4.6000e-004	0.0000	3.5683	3.5683	3.0000e-005	0.0000	3.5689
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.8000e-004	1.9200e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4257	0.4257	2.0000e-005	0.0000	0.4261
Total	**1.0300e-003**	**0.0120**	**0.0131**	**5.0000e-005**	**1.5300e-003**	**2.1000e-004**	**1.7400e-003**	**4.2000e-004**	**1.9000e-004**	**6.1000e-004**	**0.0000**	**3.9941**	**3.9941**	**5.0000e-005**	**0.0000**	**3.9951**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8000e-003	0.0000	4.8000e-003	7.3000e-004	0.0000	7.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2600e-003	0.0386	0.0405	6.0000e-005		2.2800e-003	2.2800e-003		2.1800e-003	2.1800e-003	0.0000	5.2240	5.2240	9.9000e-004	0.0000	5.2448
Total	**4.2600e-003**	**0.0386**	**0.0405**	**6.0000e-005**	**4.8000e-003**	**2.2800e-003**	**7.0800e-003**	**7.3000e-004**	**2.1800e-003**	**2.9100e-003**	**0.0000**	**5.2240**	**5.2240**	**9.9000e-004**	**0.0000**	**5.2448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.1000e-004	0.0118	0.0111	4.0000e-005	9.8000e-004	2.1000e-004	1.1900e-003	2.7000e-004	1.9000e-004	4.6000e-004	0.0000	3.5683	3.5683	3.0000e-005	0.0000	3.5689
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.8000e-004	1.9200e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4257	0.4257	2.0000e-005	0.0000	0.4261
Total	**1.0300e-003**	**0.0120**	**0.0131**	**5.0000e-005**	**1.5300e-003**	**2.1000e-004**	**1.7400e-003**	**4.2000e-004**	**1.9000e-004**	**6.1000e-004**	**0.0000**	**3.9941**	**3.9941**	**5.0000e-005**	**0.0000**	**3.9951**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	4.5300e-003	3.4200e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120
Total	**4.6000e-004**	**4.5300e-003**	**3.4200e-003**	**0.0000**	**2.7000e-004**	**2.6000e-004**	**5.3000e-004**	**3.0000e-005**	**2.4000e-004**	**2.7000e-004**	**0.0000**	**0.4093**	**0.4093**	**1.3000e-004**	**0.0000**	**0.4120**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0213	0.0213	0.0000	0.0000	0.0213
Total	**1.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0213**	**0.0213**	**0.0000**	**0.0000**	**0.0213**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	4.5300e-003	3.4200e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120

Total	**4.6000e-004**	**4.5300e-003**	**3.4200e-003**	**0.0000**	**1.0000e-004**	**2.6000e-004**	**3.6000e-004**	**1.0000e-005**	**2.4000e-004**	**2.5000e-004**	**0.0000**	**0.4093**	**0.4093**	**1.3000e-004**	**0.0000**	**0.4120**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0213	0.0213	0.0000	0.0000	0.0213
Total	**1.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0213**	**0.0213**	**0.0000**	**0.0000**	**0.0213**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	7.7200e-003	8.1000e-003	1.0000e-005		4.6000e-004	4.6000e-004		4.4000e-004	4.4000e-004	0.0000	1.0448	1.0448	2.0000e-004	0.0000	1.0490
Total	**8.5000e-004**	**7.7200e-003**	**8.1000e-003**	**1.0000e-005**	**7.5000e-004**	**4.6000e-004**	**1.2100e-003**	**4.1000e-004**	**4.4000e-004**	**8.5000e-004**	**0.0000**	**1.0448**	**1.0448**	**2.0000e-004**	**0.0000**	**1.0490**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	4.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0852	0.0852	0.0000	0.0000	0.0852
Total	**2.0000e-005**	**4.0000e-005**	**3.8000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0852**	**0.0852**	**0.0000**	**0.0000**	**0.0852**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.9000e-004	0.0000	2.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	7.7200e-003	8.1000e-003	1.0000e-005		4.6000e-004	4.6000e-004		4.4000e-004	4.4000e-004	0.0000	1.0448	1.0448	2.0000e-004	0.0000	1.0490
Total	**8.5000e-004**	**7.7200e-003**	**8.1000e-003**	**1.0000e-005**	**2.9000e-004**	**4.6000e-004**	**7.5000e-004**	**1.6000e-004**	**4.4000e-004**	**6.0000e-004**	**0.0000**	**1.0448**	**1.0448**	**2.0000e-004**	**0.0000**	**1.0490**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	4.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0852	0.0852	0.0000	0.0000	0.0852
Total	**2.0000e-005**	**4.0000e-005**	**3.8000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0852**	**0.0852**	**0.0000**	**0.0000**	**0.0852**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4000e-003	0.0313	0.0260	4.0000e-005		2.1700e-003	2.1700e-003		2.0000e-003	2.0000e-003	0.0000	3.0411	3.0411	9.5000e-004	0.0000	3.0610
Total	**3.4000e-003**	**0.0313**	**0.0260**	**4.0000e-005**		**2.1700e-003**	**2.1700e-003**		**2.0000e-003**	**2.0000e-003**	**0.0000**	**3.0411**	**3.0411**	**9.5000e-004**	**0.0000**	**3.0610**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	1.5000e-004	1.5300e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3406	0.3406	2.0000e-005	0.0000	0.3409
Total	**1.0000e-004**	**1.5000e-004**	**1.5300e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3406**	**0.3406**	**2.0000e-005**	**0.0000**	**0.3409**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4000e-003	0.0313	0.0260	4.0000e-005		2.1700e-003	2.1700e-003		2.0000e-003	2.0000e-003	0.0000	3.0411	3.0411	9.5000e-004	0.0000	3.0610
Total	**3.4000e-003**	**0.0313**	**0.0260**	**4.0000e-005**		**2.1700e-003**	**2.1700e-003**		**2.0000e-003**	**2.0000e-003**	**0.0000**	**3.0411**	**3.0411**	**9.5000e-004**	**0.0000**	**3.0610**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	1.5000e-004	1.5300e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3406	0.3406	2.0000e-005	0.0000	0.3409
Total	**1.0000e-004**	**1.5000e-004**	**1.5300e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3406**	**0.3406**	**2.0000e-005**	**0.0000**	**0.3409**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0279	0.2858	0.2394	3.7000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	32.3414	32.3414	0.0105	0.0000	32.5610
Total	**0.0279**	**0.2858**	**0.2394**	**3.7000e-004**		**0.0169**	**0.0169**		**0.0156**	**0.0156**	**0.0000**	**32.3414**	**32.3414**	**0.0105**	**0.0000**	**32.5610**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5700e-003	0.0139	0.0220	5.0000e-005	1.4000e-003	2.2000e-004	1.6300e-003	4.0000e-004	2.1000e-004	6.1000e-004	0.0000	4.1562	4.1562	3.0000e-005	0.0000	4.1568
Worker	1.4600e-003	2.1200e-003	0.0224	8.0000e-005	6.4200e-003	4.0000e-005	6.4700e-003	1.7100e-003	4.0000e-005	1.7500e-003	0.0000	4.9811	4.9811	2.2000e-004	0.0000	4.9858
Total	**3.0300e-003**	**0.0160**	**0.0445**	**1.3000e-004**	**7.8200e-003**	**2.6000e-004**	**8.1000e-003**	**2.1100e-003**	**2.5000e-004**	**2.3600e-003**	**0.0000**	**9.1372**	**9.1372**	**2.5000e-004**	**0.0000**	**9.1426**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0279	0.2858	0.2394	3.7000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	32.3413	32.3413	0.0105	0.0000	32.5610

Total	**0.0279**	**0.2858**	**0.2394**	**3.7000e-004**		**0.0169**	**0.0169**		**0.0156**	**0.0156**	**0.0000**	**32.3413**	**32.3413**	**0.0105**	**0.0000**	**32.5610**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5700e-003	0.0139	0.0220	5.0000e-005	1.4000e-003	2.2000e-004	1.6300e-003	4.0000e-004	2.1000e-004	6.1000e-004	0.0000	4.1562	4.1562	3.0000e-005	0.0000	4.1568
Worker	1.4600e-003	2.1200e-003	0.0224	8.0000e-005	6.4200e-003	4.0000e-005	6.4700e-003	1.7100e-003	4.0000e-005	1.7500e-003	0.0000	4.9811	4.9811	2.2000e-004	0.0000	4.9858
Total	**3.0300e-003**	**0.0160**	**0.0445**	**1.3000e-004**	**7.8200e-003**	**2.6000e-004**	**8.1000e-003**	**2.1100e-003**	**2.5000e-004**	**2.3600e-003**	**0.0000**	**9.1372**	**9.1372**	**2.5000e-004**	**0.0000**	**9.1426**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0135	0.1388	0.1267	2.0000e-004		7.7900e-003	7.7900e-003		7.1700e-003	7.1700e-003	0.0000	17.4184	17.4184	5.6300e-003	0.0000	17.5367
Total	**0.0135**	**0.1388**	**0.1267**	**2.0000e-004**		**7.7900e-003**	**7.7900e-003**		**7.1700e-003**	**7.1700e-003**	**0.0000**	**17.4184**	**17.4184**	**5.6300e-003**	**0.0000**	**17.5367**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2000e-004	6.3300e-003	0.0116	3.0000e-005	7.5000e-004	1.1000e-004	8.6000e-004	2.2000e-004	1.0000e-004	3.2000e-004	0.0000	2.2361	2.2361	2.0000e-005	0.0000	2.2364
Worker	7.5000e-004	1.0700e-003	0.0114	4.0000e-005	3.4600e-003	2.0000e-005	3.4800e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.6379	2.6379	1.2000e-004	0.0000	2.6404
Total	**1.5700e-003**	**7.4000e-003**	**0.0230**	**7.0000e-005**	**4.2100e-003**	**1.3000e-004**	**4.3400e-003**	**1.1400e-003**	**1.2000e-004**	**1.2600e-003**	**0.0000**	**4.8740**	**4.8740**	**1.4000e-004**	**0.0000**	**4.8768**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0135	0.1388	0.1267	2.0000e-004		7.7900e-003	7.7900e-003		7.1700e-003	7.1700e-003	0.0000	17.4183	17.4183	5.6300e-003	0.0000	17.5366
Total	**0.0135**	**0.1388**	**0.1267**	**2.0000e-004**		**7.7900e-003**	**7.7900e-003**		**7.1700e-003**	**7.1700e-003**	**0.0000**	**17.4183**	**17.4183**	**5.6300e-003**	**0.0000**	**17.5366**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2000e-004	6.3300e-003	0.0116	3.0000e-005	7.5000e-004	1.1000e-004	8.6000e-004	2.2000e-004	1.0000e-004	3.2000e-004	0.0000	2.2361	2.2361	2.0000e-005	0.0000	2.2364
Worker	7.5000e-004	1.0700e-003	0.0114	4.0000e-005	3.4600e-003	2.0000e-005	3.4800e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.6379	2.6379	1.2000e-004	0.0000	2.6404
Total	**1.5700e-003**	**7.4000e-003**	**0.0230**	**7.0000e-005**	**4.2100e-003**	**1.3000e-004**	**4.3400e-003**	**1.1400e-003**	**1.2000e-004**	**1.2600e-003**	**0.0000**	**4.8740**	**4.8740**	**1.4000e-004**	**0.0000**	**4.8768**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7800e-003	0.0166	0.0175	3.0000e-005		8.7000e-004	8.7000e-004		8.1000e-004	8.1000e-004	0.0000	2.3134	2.3134	6.7000e-004	0.0000	2.3275
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.7800e-003**	**0.0166**	**0.0175**	**3.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.1000e-004**	**8.1000e-004**	**0.0000**	**2.3134**	**2.3134**	**6.7000e-004**	**0.0000**	**2.3275**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.6300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3769	0.3769	2.0000e-005	0.0000	0.3772
Total	**1.1000e-004**	**1.5000e-004**	**1.6300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3769**	**0.3769**	**2.0000e-005**	**0.0000**	**0.3772**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7800e-003	0.0166	0.0175	3.0000e-005		8.7000e-004	8.7000e-004		8.1000e-004	8.1000e-004	0.0000	2.3134	2.3134	6.7000e-004	0.0000	2.3275
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.7800e-003**	**0.0166**	**0.0175**	**3.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.1000e-004**	**8.1000e-004**	**0.0000**	**2.3134**	**2.3134**	**6.7000e-004**	**0.0000**	**2.3275**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.6300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3769	0.3769	2.0000e-005	0.0000	0.3772
Total	**1.1000e-004**	**1.5000e-004**	**1.6300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3769**	**0.3769**	**2.0000e-005**	**0.0000**	**0.3772**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1272					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2785
Total	**0.1283**	**7.6300e-003**	**9.0900e-003**	**1.0000e-005**		**4.7000e-004**	**4.7000e-004**		**4.7000e-004**	**4.7000e-004**	**0.0000**	**1.2766**	**1.2766**	**9.0000e-005**	**0.0000**	**1.2785**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	7.0000e-005	7.2000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1675	0.1675	1.0000e-005	0.0000	0.1676
Total	**5.0000e-005**	**7.0000e-005**	**7.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1675**	**0.1675**	**1.0000e-005**	**0.0000**	**0.1676**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1272					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2785
Total	**0.1283**	**7.6300e-003**	**9.0900e-003**	**1.0000e-005**		**4.7000e-004**	**4.7000e-004**		**4.7000e-004**	**4.7000e-004**	**0.0000**	**1.2766**	**1.2766**	**9.0000e-005**	**0.0000**	**1.2785**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.0000e-005	7.0000e-005	7.2000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1675	0.1675	1.0000e-005	0.0000	0.1676
Total	**5.0000e-005**	**7.0000e-005**	**7.2000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1675**	**0.1675**	**1.0000e-005**	**0.0000**	**0.1676**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3980	0.8550	4.2203	0.0149	1.0734	0.0150	1.0884	0.2869	0.0139	0.3007	0.0000	1,006.7092	1,006.7092	0.0347	0.0000	1,007.4382
Unmitigated	0.3980	0.8550	4.2203	0.0149	1.0734	0.0150	1.0884	0.2869	0.0139	0.3007	0.0000	1,006.7092	1,006.7092	0.0347	0.0000	1,007.4382

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,207.36	493.22	53.14	2,840,504	2,840,504
Total	1,207.36	493.22	53.14	2,840,504	2,840,504

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	176.5706	176.5706	8.1200e-003	1.6800e-003	177.2617
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	176.5706	176.5706	8.1200e-003	1.6800e-003	177.2617
NaturalGas Mitigated	3.7600e-003	0.0341	0.0287	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	37.1683	37.1683	7.1000e-004	6.8000e-004	37.3945
NaturalGas Unmitigated	3.7600e-003	0.0341	0.0287	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	37.1683	37.1683	7.1000e-004	6.8000e-004	37.3945

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	696508	3.7600e-003	0.0341	0.0287	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	37.1683	37.1683	7.1000e-004	6.8000e-004	37.3945
Total		**3.7600e-003**	**0.0341**	**0.0287**	**2.0000e-004**		**2.5900e-003**	**2.5900e-003**		**2.5900e-003**	**2.5900e-003**	**0.0000**	**37.1683**	**37.1683**	**7.1000e-004**	**6.8000e-004**	**37.3945**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	696508	3.7600e-003	0.0341	0.0287	2.0000e-004		2.5900e-003	2.5900e-003		2.5900e-003	2.5900e-003	0.0000	37.1683	37.1683	7.1000e-004	6.8000e-004	37.3945
Total		**3.7600e-003**	**0.0341**	**0.0287**	**2.0000e-004**		**2.5900e-003**	**2.5900e-003**		**2.5900e-003**	**2.5900e-003**	**0.0000**	**37.1683**	**37.1683**	**7.1000e-004**	**6.8000e-004**	**37.3945**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	617020	176.5706	8.1200e-003	1.6800e-003	177.2617
Total		**176.5706**	**8.1200e-003**	**1.6800e-003**	**177.2617**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	617020	176.5706	8.1200e-003	1.6800e-003	177.2617
Total		**176.5706**	**8.1200e-003**	**1.6800e-003**	**177.2617**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2096	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1500e-003

Unmitigated	0.2096	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1500e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0509					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1587					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1500e-003
Total	**0.2096**	**1.0000e-005**	**5.6000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.0900e-003**	**1.0900e-003**	**0.0000**	**0.0000**	**1.1500e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0509					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1587					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0900e-003	1.0900e-003	0.0000	0.0000	1.1500e-003
Total	**0.2096**	**1.0000e-005**	**5.6000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.0900e-003**	**1.0900e-003**	**0.0000**	**0.0000**	**1.1500e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	19.4230	0.0710	1.8300e-003	21.4832
Unmitigated	19.4230	0.0711	1.8400e-003	21.4843

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.15423 / 3.36944	19.4230	0.0711	1.8400e-003	21.4843
Total		**19.4230**	**0.0711**	**1.8400e-003**	**21.4843**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.15423 / 3.36944	19.4230	0.0710	1.8300e-003	21.4832
Total		**19.4230**	**0.0710**	**1.8300e-003**	**21.4832**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	11.5908	0.6850	0.0000	25.9757
Unmitigated	11.5908	0.6850	0.0000	25.9757

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	57.1	11.5908	0.6850	0.0000	25.9757

Total		**11.5908**	**0.6850**	**0.0000**	**25.9757**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	57.1	11.5908	0.6850	0.0000	25.9757
Total		**11.5908**	**0.6850**	**0.0000**	**25.9757**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 3 - Chemistry Building

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	43.92	1000sqft	0.39	43,916.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Chemistry Building will be multiple stories

Construction Phase - modified

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - modified

Demolition -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value

tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	5.00	10.00
tblLandUse	LandUseSquareFeet	43,920.00	43,916.00
tblLandUse	LotAcreage	1.01	0.39
tblProjectCharacteristics	OperationalYear	2014	2022

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.0557	10.0019	10.4664	0.0218	2.7713	0.5282	3.2703	0.4567	0.4860	0.9315	0.0000	2,036.8206	2,036.8206	0.3634	0.0000	2,044.4511
2021	25.6724	8.3344	8.4837	0.0153	0.2450	0.4531	0.6980	0.0658	0.4168	0.4826	0.0000	1,411.3989	1,411.3989	0.3631	0.0000	1,419.0247
Total	**26.7282**	**18.3363**	**18.9500**	**0.0371**	**3.0163**	**0.9813**	**3.9683**	**0.5225**	**0.9028**	**1.4142**	**0.0000**	**3,448.2195**	**3,448.2195**	**0.7265**	**0.0000**	**3,463.4758**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.0557	10.0019	10.4664	0.0218	1.2702	0.5282	1.7691	0.2294	0.4860	0.7042	0.0000	2,036.8206	2,036.8206	0.3634	0.0000	2,044.4511
2021	25.6724	8.3344	8.4837	0.0153	0.2450	0.4531	0.6980	0.0658	0.4168	0.4826	0.0000	1,411.3989	1,411.3989	0.3631	0.0000	1,419.0247

Total	**26.7282**	**18.3363**	**18.9500**	**0.0371**	**1.5152**	**0.9813**	**2.4671**	**0.2952**	**0.9028**	**1.1869**	**0.0000**	**3,448.2195**	**3,448.2195**	**0.7265**	**0.0000**	**3,463.4758**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**49.77**	**0.00**	**37.83**	**43.50**	**0.00**	**16.07**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Energy	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Mobile	2.8239	5.6009	29.7615	0.1089	7.7080	0.1059	7.8138	2.0570	0.0978	2.1548		8,087.6782	8,087.6782	0.2702		8,093.3515
Total	**3.9933**	**5.7880**	**29.9231**	**0.1100**	**7.7080**	**0.1201**	**7.8281**	**2.0570**	**0.1120**	**2.1690**		**8,312.1867**	**8,312.1867**	**0.2745**	**4.1200e-003**	**8,319.2268**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Energy	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Mobile	2.8239	5.6009	29.7615	0.1089	7.7080	0.1059	7.8138	2.0570	0.0978	2.1548		8,087.6782	8,087.6782	0.2702		8,093.3515

Total	**3.9933**	**5.7880**	**29.9231**	**0.1100**	**7.7080**	**0.1201**	**7.8281**	**2.0570**	**0.1120**	**2.1690**		**8,312.1867**	**8,312.1867**	**0.2745**	**4.1200e-003**	**8,319.2268**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/14/2020	5	10	
2	Site Preparation	Site Preparation	9/15/2020	9/15/2020	5	1	
3	Grading	Grading	9/16/2020	9/17/2020	5	2	
4	Trenching	Trenching	9/18/2020	10/1/2020	5	10	
5	Building Construction	Building Construction	10/2/2020	2/18/2021	5	100	
6	Paving	Paving	2/19/2021	2/25/2021	5	5	
7	Architectural Coating	Architectural Coating	2/26/2021	3/11/2021	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 65,874; Non-Residential Outdoor: 21,958 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41

Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	1	8.00	80	0.50
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	114.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	18.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4609	0.0000	2.4609	0.3726	0.0000	0.3726			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**2.4609**	**0.4561**	**2.9170**	**0.3726**	**0.4355**	**0.8081**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1775	2.2449	1.9662	8.3700e-003	0.1987	0.0421	0.2407	0.0544	0.0387	0.0931		787.4715	787.4715	6.1200e-003		787.6000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.2030**	**2.2771**	**2.3683**	**9.7300e-003**	**0.3105**	**0.0428**	**0.3533**	**0.0841**	**0.0394**	**0.1235**		**885.1196**	**885.1196**	**0.0103**		**885.3363**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					0.9598	0.0000	0.9598	0.1453	0.0000	0.1453			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.9598**	**0.4561**	**1.4158**	**0.1453**	**0.4355**	**0.5808**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1775	2.2449	1.9662	8.3700e-003	0.1987	0.0421	0.2407	0.0544	0.0387	0.0931		787.4715	787.4715	6.1200e-003		787.6000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.2030**	**2.2771**	**2.3683**	**9.7300e-003**	**0.3105**	**0.0428**	**0.3533**	**0.0841**	**0.0394**	**0.1235**		**885.1196**	**885.1196**	**0.0103**		**885.3363**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796		902.2494	902.2494	0.2918		908.3773

Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.5303**	**0.5213**	**1.0516**	**0.0573**	**0.4796**	**0.5369**		**902.2494**	**902.2494**	**0.2918**		**908.3773**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0128	0.0161	0.2010	6.8000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		48.8240	48.8240	2.1000e-003		48.8681
Total	**0.0128**	**0.0161**	**0.2010**	**6.8000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**48.8240**	**48.8240**	**2.1000e-003**		**48.8681**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796	0.0000	902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.2068**	**0.5213**	**0.7281**	**0.0223**	**0.4796**	**0.5019**	**0.0000**	**902.2494**	**902.2494**	**0.2918**		**908.3773**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0128	0.0161	0.2010	6.8000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		48.8240	48.8240	2.1000e-003		48.8681
Total	**0.0128**	**0.0161**	**0.2010**	**6.8000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**48.8240**	**48.8240**	**2.1000e-003**		**48.8681**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.7528**	**0.4561**	**1.2089**	**0.4138**	**0.4355**	**0.8492**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.0255**	**0.0321**	**0.4020**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**97.6480**	**97.6480**	**4.2000e-003**		**97.7363**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.2936**	**0.4561**	**0.7497**	**0.1614**	**0.4355**	**0.5968**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.0255**	**0.0321**	**0.4020**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**97.6480**	**97.6480**	**4.2000e-003**		**97.7363**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6801	6.2504	5.1941	7.0500e-003		0.4344	0.4344		0.4005	0.4005		670.4398	670.4398	0.2093		674.8343
Total	**0.6801**	**6.2504**	**5.1941**	**7.0500e-003**		**0.4344**	**0.4344**		**0.4005**	**0.4005**		**670.4398**	**670.4398**	**0.2093**		**674.8343**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0257	0.3216	1.0900e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		78.1184	78.1184	3.3600e-003		78.1890
Total	**0.0204**	**0.0257**	**0.3216**	**1.0900e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**78.1184**	**78.1184**	**3.3600e-003**		**78.1890**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6801	6.2504	5.1941	7.0500e-003		0.4344	0.4344		0.4005	0.4005	0.0000	670.4398	670.4398	0.2093		674.8343
Total	**0.6801**	**6.2504**	**5.1941**	**7.0500e-003**		**0.4344**	**0.4344**		**0.4005**	**0.4005**	**0.0000**	**670.4398**	**670.4398**	**0.2093**		**674.8343**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0257	0.3216	1.0900e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		78.1184	78.1184	3.3600e-003		78.1890
Total	**0.0204**	**0.0257**	**0.3216**	**1.0900e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**78.1184**	**78.1184**	**3.3600e-003**		**78.1890**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784		1,096.9306	1,096.9306	0.3548		1,104.3807

Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**		**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0459	0.4095	0.5726	1.5100e-003	0.0438	6.8800e-003	0.0506	0.0125	6.3300e-003	0.0188		141.4703	141.4703	1.0200e-003		141.4918
Worker	0.0459	0.0579	0.7237	2.4500e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		175.7665	175.7665	7.5600e-003		175.9253
Total	**0.0918**	**0.4674**	**1.2962**	**3.9600e-003**	**0.2450**	**8.2600e-003**	**0.2532**	**0.0658**	**7.6100e-003**	**0.0734**		**317.2367**	**317.2367**	**8.5800e-003**		**317.4171**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784	0.0000	1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**	**0.0000**	**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0459	0.4095	0.5726	1.5100e-003	0.0438	6.8800e-003	0.0506	0.0125	6.3300e-003	0.0188		141.4703	141.4703	1.0200e-003		141.4918
Worker	0.0459	0.0579	0.7237	2.4500e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		175.7665	175.7665	7.5600e-003		175.9253
Total	**0.0918**	**0.4674**	**1.2962**	**3.9600e-003**	**0.2450**	**8.2600e-003**	**0.2532**	**0.0658**	**7.6100e-003**	**0.0734**		**317.2367**	**317.2367**	**8.5800e-003**		**317.4171**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098		1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**		**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0444	0.3476	0.5577	1.5100e-003	0.0438	6.2500e-003	0.0500	0.0125	5.7500e-003	0.0182		141.3522	141.3522	1.0300e-003		141.3738
Worker	0.0437	0.0544	0.6838	2.4600e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		172.8779	172.8779	7.2600e-003		173.0302
Total	**0.0881**	**0.4019**	**1.2415**	**3.9700e-003**	**0.2450**	**7.6400e-003**	**0.2526**	**0.0658**	**7.0400e-003**	**0.0729**		**314.2301**	**314.2301**	**8.2900e-003**		**314.4041**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098	0.0000	1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**	**0.0000**	**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0444	0.3476	0.5577	1.5100e-003	0.0438	6.2500e-003	0.0500	0.0125	5.7500e-003	0.0182		141.3522	141.3522	1.0300e-003		141.3738
Worker	0.0437	0.0544	0.6838	2.4600e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		172.8779	172.8779	7.2600e-003		173.0302
Total	**0.0881**	**0.4019**	**1.2415**	**3.9700e-003**	**0.2450**	**7.6400e-003**	**0.2526**	**0.0658**	**7.0400e-003**	**0.0729**		**314.2301**	**314.2301**	**8.2900e-003**		**314.4041**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247		1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**		**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0544	0.6838	2.4600e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		172.8779	172.8779	7.2600e-003		173.0302
Total	**0.0437**	**0.0544**	**0.6838**	**2.4600e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**172.8779**	**172.8779**	**7.2600e-003**		**173.0302**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247	0.0000	1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**	**0.0000**	**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0544	0.6838	2.4600e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		172.8779	172.8779	7.2600e-003		173.0302
Total	**0.0437**	**0.0544**	**0.6838**	**2.4600e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**172.8779**	**172.8779**	**7.2600e-003**		**173.0302**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.4438					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	**25.6627**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.8537**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.7100e-003	0.0121	0.1520	5.5000e-004	0.0447	3.1000e-004	0.0450	0.0119	2.9000e-004	0.0121		38.4173	38.4173	1.6100e-003		38.4512
Total	**9.7100e-003**	**0.0121**	**0.1520**	**5.5000e-004**	**0.0447**	**3.1000e-004**	**0.0450**	**0.0119**	**2.9000e-004**	**0.0121**		**38.4173**	**38.4173**	**1.6100e-003**		**38.4512**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.4438					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	**25.6627**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.8537**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	9.7100e-003	0.0121	0.1520	5.5000e-004	0.0447	3.1000e-004	0.0450	0.0119	2.9000e-004	0.0121		38.4173	38.4173	1.6100e-003		38.4512
Total	**9.7100e-003**	**0.0121**	**0.1520**	**5.5000e-004**	**0.0447**	**3.1000e-004**	**0.0450**	**0.0119**	**2.9000e-004**	**0.0121**		**38.4173**	**38.4173**	**1.6100e-003**		**38.4512**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.8239	5.6009	29.7615	0.1089	7.7080	0.1059	7.8138	2.0570	0.0978	2.1548		8,087.6782	8,087.6782	0.2702		8,093.3515
Unmitigated	2.8239	5.6009	29.7615	0.1089	7.7080	0.1059	7.8138	2.0570	0.0978	2.1548		8,087.6782	8,087.6782	0.2702		8,093.3515

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,207.36	493.22	53.14	2,840,504	2,840,504
Total	1,207.36	493.22	53.14	2,840,504	2,840,504

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
NaturalGas Unmitigated	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1908.24	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Total		**0.0206**	**0.1871**	**0.1572**	**1.1200e-003**		**0.0142**	**0.0142**		**0.0142**	**0.0142**		**224.4989**	**224.4989**	**4.3000e-003**	**4.1200e-003**	**225.8651**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1.90824	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Total		**0.0206**	**0.1871**	**0.1572**	**1.1200e-003**		**0.0142**	**0.0142**		**0.0142**	**0.0142**		**224.4989**	**224.4989**	**4.3000e-003**	**4.1200e-003**	**225.8651**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Unmitigated	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2788					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.2000e-004	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Total	**1.1488**	**4.0000e-005**	**4.4900e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**9.6100e-003**	**9.6100e-003**	**3.0000e-005**		**0.0101**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2788					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.2000e-004	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Total	**1.1488**	**4.0000e-005**	**4.4900e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**9.6100e-003**	**9.6100e-003**	**3.0000e-005**		**0.0101**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 3 - Chemistry Building

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	43.92	1000sqft	0.39	43,916.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Chemistry Building will be multiple stories

Construction Phase - modified

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - modified

Demolition -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value

tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	5.00	10.00
tblLandUse	LandUseSquareFeet	43,920.00	43,916.00
tblLandUse	LotAcreage	1.01	0.39
tblProjectCharacteristics	OperationalYear	2014	2022

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.0653	10.0812	10.7829	0.0217	2.7713	0.5283	3.2704	0.4567	0.4860	0.9316	0.0000	2,029.7535	2,029.7535	0.3634	0.0000	2,037.3847
2021	25.6729	8.3472	8.5750	0.0152	0.2450	0.4531	0.6981	0.0658	0.4169	0.4827	0.0000	1,401.0025	1,401.0025	0.3632	0.0000	1,408.6291
Total	**26.7382**	**18.4284**	**19.3579**	**0.0368**	**3.0163**	**0.9814**	**3.9684**	**0.5225**	**0.9029**	**1.4143**	**0.0000**	**3,430.7560**	**3,430.7560**	**0.7266**	**0.0000**	**3,446.0138**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.0653	10.0812	10.7829	0.0217	1.2702	0.5283	1.7692	0.2294	0.4860	0.7043	0.0000	2,029.7534	2,029.7534	0.3634	0.0000	2,037.3847
2021	25.6729	8.3472	8.5750	0.0152	0.2450	0.4531	0.6981	0.0658	0.4169	0.4827	0.0000	1,401.0025	1,401.0025	0.3632	0.0000	1,408.6291

Total	**26.7382**	**18.4284**	**19.3579**	**0.0368**	**1.5152**	**0.9814**	**2.4673**	**0.2952**	**0.9029**	**1.1870**	**0.0000**	**3,430.7559**	**3,430.7559**	**0.7266**	**0.0000**	**3,446.0138**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**49.77**	**0.00**	**37.83**	**43.50**	**0.00**	**16.07**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Energy	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Mobile	2.9756	5.9173	29.6303	0.1040	7.7080	0.1062	7.8141	2.0570	0.0981	2.1550		7,741.5324	7,741.5324	0.2704		7,747.2106
Total	**4.1450**	**6.1044**	**29.7919**	**0.1051**	**7.7080**	**0.1204**	**7.8284**	**2.0570**	**0.1123**	**2.1693**		**7,966.0409**	**7,966.0409**	**0.2747**	**4.1200e-003**	**7,973.0859**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Energy	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Mobile	2.9756	5.9173	29.6303	0.1040	7.7080	0.1062	7.8141	2.0570	0.0981	2.1550		7,741.5324	7,741.5324	0.2704		7,747.2106

Total	**4.1450**	**6.1044**	**29.7919**	**0.1051**	**7.7080**	**0.1204**	**7.8284**	**2.0570**	**0.1123**	**2.1693**		**7,966.0409**	**7,966.0409**	**0.2747**	**4.1200e-003**	**7,973.0859**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/14/2020	5	10	
2	Site Preparation	Site Preparation	9/15/2020	9/15/2020	5	1	
3	Grading	Grading	9/16/2020	9/17/2020	5	2	
4	Trenching	Trenching	9/18/2020	10/1/2020	5	10	
5	Building Construction	Building Construction	10/2/2020	2/18/2021	5	100	
6	Paving	Paving	2/19/2021	2/25/2021	5	5	
7	Architectural Coating	Architectural Coating	2/26/2021	3/11/2021	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 65,874; Non-Residential Outdoor: 21,958 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41

Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	1	8.00	80	0.50
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	114.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	18.00	7.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4609	0.0000	2.4609	0.3726	0.0000	0.3726			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**2.4609**	**0.4561**	**2.9170**	**0.3726**	**0.4355**	**0.8081**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1858	2.3210	2.3100	8.3600e-003	0.1987	0.0422	0.2408	0.0544	0.0388	0.0932		785.5936	785.5936	6.2100e-003		785.7240
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.2126**	**2.3563**	**2.6848**	**9.6500e-003**	**0.3105**	**0.0429**	**0.3534**	**0.0841**	**0.0395**	**0.1235**		**878.0524**	**878.0524**	**0.0104**		**878.2710**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					0.9598	0.0000	0.9598	0.1453	0.0000	0.1453			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.9598**	**0.4561**	**1.4158**	**0.1453**	**0.4355**	**0.5808**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1858	2.3210	2.3100	8.3600e-003	0.1987	0.0422	0.2408	0.0544	0.0388	0.0932		785.5936	785.5936	6.2100e-003		785.7240
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.2126**	**2.3563**	**2.6848**	**9.6500e-003**	**0.3105**	**0.0429**	**0.3534**	**0.0841**	**0.0395**	**0.1235**		**878.0524**	**878.0524**	**0.0104**		**878.2710**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796		902.2494	902.2494	0.2918		908.3773

Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.5303**	**0.5213**	**1.0516**	**0.0573**	**0.4796**	**0.5369**		**902.2494**	**902.2494**	**0.2918**		**908.3773**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	0.0177	0.1874	6.4000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		46.2294	46.2294	2.1000e-003		46.2735
Total	**0.0134**	**0.0177**	**0.1874**	**6.4000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**46.2294**	**46.2294**	**2.1000e-003**		**46.2735**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796	0.0000	902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.2068**	**0.5213**	**0.7281**	**0.0223**	**0.4796**	**0.5019**	**0.0000**	**902.2494**	**902.2494**	**0.2918**		**908.3773**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	0.0177	0.1874	6.4000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		46.2294	46.2294	2.1000e-003		46.2735
Total	**0.0134**	**0.0177**	**0.1874**	**6.4000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**46.2294**	**46.2294**	**2.1000e-003**		**46.2735**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.7528**	**0.4561**	**1.2089**	**0.4138**	**0.4355**	**0.8492**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.0268**	**0.0353**	**0.3748**	**1.2900e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**92.4588**	**92.4588**	**4.2000e-003**		**92.5470**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.2936**	**0.4561**	**0.7497**	**0.1614**	**0.4355**	**0.5968**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.0268**	**0.0353**	**0.3748**	**1.2900e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**92.4588**	**92.4588**	**4.2000e-003**		**92.5470**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6801	6.2504	5.1941	7.0500e-003		0.4344	0.4344		0.4005	0.4005		670.4398	670.4398	0.2093		674.8343
Total	**0.6801**	**6.2504**	**5.1941**	**7.0500e-003**		**0.4344**	**0.4344**		**0.4005**	**0.4005**		**670.4398**	**670.4398**	**0.2093**		**674.8343**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0214	0.0283	0.2999	1.0300e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		73.9670	73.9670	3.3600e-003		74.0376
Total	**0.0214**	**0.0283**	**0.2999**	**1.0300e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**73.9670**	**73.9670**	**3.3600e-003**		**74.0376**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6801	6.2504	5.1941	7.0500e-003		0.4344	0.4344		0.4005	0.4005	0.0000	670.4398	670.4398	0.2093		674.8343
Total	**0.6801**	**6.2504**	**5.1941**	**7.0500e-003**		**0.4344**	**0.4344**		**0.4005**	**0.4005**	**0.0000**	**670.4398**	**670.4398**	**0.2093**		**674.8343**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0214	0.0283	0.2999	1.0300e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		73.9670	73.9670	3.3600e-003		74.0376
Total	**0.0214**	**0.0283**	**0.2999**	**1.0300e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**73.9670**	**73.9670**	**3.3600e-003**		**74.0376**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784		1,096.9306	1,096.9306	0.3548		1,104.3807

Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**		**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0500	0.4182	0.7129	1.5000e-003	0.0438	6.9400e-003	0.0507	0.0125	6.3900e-003	0.0189		140.2693	140.2693	1.0600e-003		140.2916
Worker	0.0482	0.0636	0.6747	2.3200e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		166.4258	166.4258	7.5600e-003		166.5846
Total	**0.0981**	**0.4818**	**1.3876**	**3.8200e-003**	**0.2450**	**8.3200e-003**	**0.2533**	**0.0658**	**7.6700e-003**	**0.0735**		**306.6951**	**306.6951**	**8.6200e-003**		**306.8762**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784	0.0000	1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**	**0.0000**	**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0500	0.4182	0.7129	1.5000e-003	0.0438	6.9400e-003	0.0507	0.0125	6.3900e-003	0.0189		140.2693	140.2693	1.0600e-003		140.2916
Worker	0.0482	0.0636	0.6747	2.3200e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		166.4258	166.4258	7.5600e-003		166.5846
Total	**0.0981**	**0.4818**	**1.3876**	**3.8200e-003**	**0.2450**	**8.3200e-003**	**0.2533**	**0.0658**	**7.6700e-003**	**0.0735**		**306.6951**	**306.6951**	**8.6200e-003**		**306.8762**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098		1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**		**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0483	0.3550	0.6963	1.5000e-003	0.0438	6.3000e-003	0.0501	0.0125	5.8000e-003	0.0183		140.1512	140.1512	1.0700e-003		140.1736
Worker	0.0458	0.0597	0.6365	2.3200e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		163.6825	163.6825	7.2600e-003		163.8349
Total	**0.0941**	**0.4147**	**1.3328**	**3.8200e-003**	**0.2450**	**7.6900e-003**	**0.2527**	**0.0658**	**7.0900e-003**	**0.0729**		**303.8337**	**303.8337**	**8.3300e-003**		**304.0085**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098	0.0000	1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**	**0.0000**	**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0483	0.3550	0.6963	1.5000e-003	0.0438	6.3000e-003	0.0501	0.0125	5.8000e-003	0.0183		140.1512	140.1512	1.0700e-003		140.1736
Worker	0.0458	0.0597	0.6365	2.3200e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		163.6825	163.6825	7.2600e-003		163.8349
Total	**0.0941**	**0.4147**	**1.3328**	**3.8200e-003**	**0.2450**	**7.6900e-003**	**0.2527**	**0.0658**	**7.0900e-003**	**0.0729**		**303.8337**	**303.8337**	**8.3300e-003**		**304.0085**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247		1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**		**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0597	0.6365	2.3200e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		163.6825	163.6825	7.2600e-003		163.8349
Total	**0.0458**	**0.0597**	**0.6365**	**2.3200e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**163.6825**	**163.6825**	**7.2600e-003**		**163.8349**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247	0.0000	1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**	**0.0000**	**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0597	0.6365	2.3200e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		163.6825	163.6825	7.2600e-003		163.8349
Total	**0.0458**	**0.0597**	**0.6365**	**2.3200e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**163.6825**	**163.6825**	**7.2600e-003**		**163.8349**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.4438					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	**25.6627**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.8537**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0102	0.0133	0.1415	5.2000e-004	0.0447	3.1000e-004	0.0450	0.0119	2.9000e-004	0.0121		36.3739	36.3739	1.6100e-003		36.4078
Total	**0.0102**	**0.0133**	**0.1415**	**5.2000e-004**	**0.0447**	**3.1000e-004**	**0.0450**	**0.0119**	**2.9000e-004**	**0.0121**		**36.3739**	**36.3739**	**1.6100e-003**		**36.4078**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	25.4438					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	**25.6627**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.8537**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0102	0.0133	0.1415	5.2000e-004	0.0447	3.1000e-004	0.0450	0.0119	2.9000e-004	0.0121		36.3739	36.3739	1.6100e-003		36.4078
Total	**0.0102**	**0.0133**	**0.1415**	**5.2000e-004**	**0.0447**	**3.1000e-004**	**0.0450**	**0.0119**	**2.9000e-004**	**0.0121**		**36.3739**	**36.3739**	**1.6100e-003**		**36.4078**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.9756	5.9173	29.6303	0.1040	7.7080	0.1062	7.8141	2.0570	0.0981	2.1550		7,741.5324	7,741.5324	0.2704		7,747.2106
Unmitigated	2.9756	5.9173	29.6303	0.1040	7.7080	0.1062	7.8141	2.0570	0.0981	2.1550		7,741.5324	7,741.5324	0.2704		7,747.2106

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	1,207.36	493.22	53.14	2,840,504	2,840,504
Total	1,207.36	493.22	53.14	2,840,504	2,840,504

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
NaturalGas Unmitigated	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1908.24	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Total		**0.0206**	**0.1871**	**0.1572**	**1.1200e-003**		**0.0142**	**0.0142**		**0.0142**	**0.0142**		**224.4989**	**224.4989**	**4.3000e-003**	**4.1200e-003**	**225.8651**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1.90824	0.0206	0.1871	0.1572	1.1200e-003		0.0142	0.0142		0.0142	0.0142		224.4989	224.4989	4.3000e-003	4.1200e-003	225.8651
Total		**0.0206**	**0.1871**	**0.1572**	**1.1200e-003**		**0.0142**	**0.0142**		**0.0142**	**0.0142**		**224.4989**	**224.4989**	**4.3000e-003**	**4.1200e-003**	**225.8651**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Unmitigated	1.1488	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2788					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.2000e-004	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Total	**1.1488**	**4.0000e-005**	**4.4900e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**9.6100e-003**	**9.6100e-003**	**3.0000e-005**		**0.0101**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2788					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8695					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.2000e-004	4.0000e-005	4.4900e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		9.6100e-003	9.6100e-003	3.0000e-005		0.0101
Total	**1.1488**	**4.0000e-005**	**4.4900e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**9.6100e-003**	**9.6100e-003**	**3.0000e-005**		**0.0101**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 3 - Dance Building

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	32.00	1000sqft	0.73	32,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Modified

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - modified

Demolition -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value

tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	5.00	10.00
tblProjectCharacteristics	OperationalYear	2014	2022

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0404	0.3945	0.3671	6.4000e-004	0.0244	0.0225	0.0469	4.9300e-003	0.0208	0.0258	0.0000	53.9442	53.9442	0.0130	0.0000	54.2169
2021	0.1103	0.1685	0.1720	3.0000e-004	3.6900e-003	9.2400e-003	0.0129	9.9000e-004	8.5500e-003	9.5400e-003	0.0000	25.0132	25.0132	6.5100e-003	0.0000	25.1499
Total	**0.1507**	**0.5630**	**0.5391**	**9.4000e-004**	**0.0281**	**0.0318**	**0.0599**	**5.9200e-003**	**0.0294**	**0.0353**	**0.0000**	**78.9574**	**78.9574**	**0.0195**	**0.0000**	**79.3668**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0404	0.3945	0.3671	6.4000e-004	0.0144	0.0225	0.0369	3.2300e-003	0.0208	0.0241	0.0000	53.9441	53.9441	0.0130	0.0000	54.2168
2021	0.1103	0.1685	0.1720	3.0000e-004	3.6900e-003	9.2400e-003	0.0129	9.9000e-004	8.5500e-003	9.5400e-003	0.0000	25.0132	25.0132	6.5100e-003	0.0000	25.1499
Total	**0.1507**	**0.5630**	**0.5391**	**9.4000e-004**	**0.0181**	**0.0318**	**0.0499**	**4.2200e-003**	**0.0294**	**0.0336**	**0.0000**	**78.9573**	**78.9573**	**0.0195**	**0.0000**	**79.3667**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**35.66**	**0.00**	**16.74**	**28.72**	**0.00**	**4.79**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1528	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.9000e-004	7.9000e-004	0.0000	0.0000	8.4000e-004
Energy	2.7400e-003	0.0249	0.0209	1.5000e-004		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	155.7438	155.7438	6.4300e-003	1.7200e-003	156.4122
Mobile	0.2899	0.6230	3.0749	0.0109	0.7821	0.0109	0.7930	0.2090	0.0101	0.2191	0.0000	733.4858	733.4858	0.0253	0.0000	734.0169
Waste						0.0000	0.0000		0.0000	0.0000	8.4444	0.0000	8.4444	0.4991	0.0000	18.9245
Water						0.0000	0.0000		0.0000	0.0000	0.4980	13.6536	14.1516	0.0518	1.3400e-003	15.6534
Total	**0.4454**	**0.6479**	**3.0962**	**0.0110**	**0.7821**	**0.0128**	**0.7949**	**0.2090**	**0.0120**	**0.2210**	**8.9424**	**902.8840**	**911.8264**	**0.5825**	**3.0600e-003**	**925.0078**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1528	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.9000e-004	7.9000e-004	0.0000	0.0000	8.4000e-004
Energy	2.7400e-003	0.0249	0.0209	1.5000e-004		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	155.7438	155.7438	6.4300e-003	1.7200e-003	156.4122
Mobile	0.2899	0.6230	3.0749	0.0109	0.7821	0.0109	0.7930	0.2090	0.0101	0.2191	0.0000	733.4858	733.4858	0.0253	0.0000	734.0169

Waste						0.0000	0.0000		0.0000	0.0000	8.4444	0.0000	8.4444	0.4991	0.0000	18.9245
Water						0.0000	0.0000		0.0000	0.0000	0.4980	13.6536	14.1516	0.0518	1.3400e-003	15.6526
Total	**0.4454**	**0.6479**	**3.0962**	**0.0110**	**0.7821**	**0.0128**	**0.7949**	**0.2090**	**0.0120**	**0.2210**	**8.9424**	**902.8840**	**911.8264**	**0.5825**	**3.0600e-003**	**925.0070**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/14/2020	5	10	
2	Site Preparation	Site Preparation	9/15/2020	9/15/2020	5	1	
3	Grading	Grading	9/16/2020	9/17/2020	5	2	
4	Trenching	Trenching	9/18/2020	10/1/2020	5	10	
5	Building Construction	Building Construction	10/2/2020	2/18/2021	5	100	
6	Paving	Paving	2/19/2021	2/25/2021	5	5	
7	Architectural Coating	Architectural Coating	2/26/2021	3/11/2021	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 48,000; Non-Residential Outdoor: 16,000 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40

Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	1	8.00	80	0.50
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	142.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0154	0.0000	0.0154	2.3300e-003	0.0000	2.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2600e-003	0.0386	0.0405	6.0000e-005		2.2800e-003	2.2800e-003		2.1800e-003	2.1800e-003	0.0000	5.2240	5.2240	9.9000e-004	0.0000	5.2448
Total	**4.2600e-003**	**0.0386**	**0.0405**	**6.0000e-005**	**0.0154**	**2.2800e-003**	**0.0177**	**2.3300e-003**	**2.1800e-003**	**4.5100e-003**	**0.0000**	**5.2240**	**5.2240**	**9.9000e-004**	**0.0000**	**5.2448**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1400e-003	0.0147	0.0139	5.0000e-005	1.2200e-003	2.6000e-004	1.4800e-003	3.3000e-004	2.4000e-004	5.8000e-004	0.0000	4.4448	4.4448	3.0000e-005	0.0000	4.4455
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.8000e-004	1.9200e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4257	0.4257	2.0000e-005	0.0000	0.4261
Total	**1.2600e-003**	**0.0149**	**0.0158**	**6.0000e-005**	**1.7700e-003**	**2.6000e-004**	**2.0300e-003**	**4.8000e-004**	**2.4000e-004**	**7.3000e-004**	**0.0000**	**4.8705**	**4.8705**	**5.0000e-005**	**0.0000**	**4.8716**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.0100e-003	0.0000	6.0100e-003	9.1000e-004	0.0000	9.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2600e-003	0.0386	0.0405	6.0000e-005		2.2800e-003	2.2800e-003		2.1800e-003	2.1800e-003	0.0000	5.2240	5.2240	9.9000e-004	0.0000	5.2448
Total	**4.2600e-003**	**0.0386**	**0.0405**	**6.0000e-005**	**6.0100e-003**	**2.2800e-003**	**8.2900e-003**	**9.1000e-004**	**2.1800e-003**	**3.0900e-003**	**0.0000**	**5.2240**	**5.2240**	**9.9000e-004**	**0.0000**	**5.2448**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1400e-003	0.0147	0.0139	5.0000e-005	1.2200e-003	2.6000e-004	1.4800e-003	3.3000e-004	2.4000e-004	5.8000e-004	0.0000	4.4448	4.4448	3.0000e-005	0.0000	4.4455
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.8000e-004	1.9200e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4257	0.4257	2.0000e-005	0.0000	0.4261
Total	**1.2600e-003**	**0.0149**	**0.0158**	**6.0000e-005**	**1.7700e-003**	**2.6000e-004**	**2.0300e-003**	**4.8000e-004**	**2.4000e-004**	**7.3000e-004**	**0.0000**	**4.8705**	**4.8705**	**5.0000e-005**	**0.0000**	**4.8716**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	4.5300e-003	3.4200e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120
Total	**4.6000e-004**	**4.5300e-003**	**3.4200e-003**	**0.0000**	**2.7000e-004**	**2.6000e-004**	**5.3000e-004**	**3.0000e-005**	**2.4000e-004**	**2.7000e-004**	**0.0000**	**0.4093**	**0.4093**	**1.3000e-004**	**0.0000**	**0.4120**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0213	0.0213	0.0000	0.0000	0.0213
Total	**1.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0213**	**0.0213**	**0.0000**	**0.0000**	**0.0213**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	4.5300e-003	3.4200e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120
Total	**4.6000e-004**	**4.5300e-003**	**3.4200e-003**	**0.0000**	**1.0000e-004**	**2.6000e-004**	**3.6000e-004**	**1.0000e-005**	**2.4000e-004**	**2.5000e-004**	**0.0000**	**0.4093**	**0.4093**	**1.3000e-004**	**0.0000**	**0.4120**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0213	0.0213	0.0000	0.0000	0.0213
Total	**1.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0213**	**0.0213**	**0.0000**	**0.0000**	**0.0213**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	7.7200e-003	8.1000e-003	1.0000e-005		4.6000e-004	4.6000e-004		4.4000e-004	4.4000e-004	0.0000	1.0448	1.0448	2.0000e-004	0.0000	1.0490
Total	**8.5000e-004**	**7.7200e-003**	**8.1000e-003**	**1.0000e-005**	**7.5000e-004**	**4.6000e-004**	**1.2100e-003**	**4.1000e-004**	**4.4000e-004**	**8.5000e-004**	**0.0000**	**1.0448**	**1.0448**	**2.0000e-004**	**0.0000**	**1.0490**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	4.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0852	0.0852	0.0000	0.0000	0.0852
Total	**2.0000e-005**	**4.0000e-005**	**3.8000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0852**	**0.0852**	**0.0000**	**0.0000**	**0.0852**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.9000e-004	0.0000	2.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	7.7200e-003	8.1000e-003	1.0000e-005		4.6000e-004	4.6000e-004		4.4000e-004	4.4000e-004	0.0000	1.0448	1.0448	2.0000e-004	0.0000	1.0490
Total	**8.5000e-004**	**7.7200e-003**	**8.1000e-003**	**1.0000e-005**	**2.9000e-004**	**4.6000e-004**	**7.5000e-004**	**1.6000e-004**	**4.4000e-004**	**6.0000e-004**	**0.0000**	**1.0448**	**1.0448**	**2.0000e-004**	**0.0000**	**1.0490**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	4.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0852	0.0852	0.0000	0.0000	0.0852

Total	**2.0000e-005**	**4.0000e-005**	**3.8000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0852**	**0.0852**	**0.0000**	**0.0000**	**0.0852**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4000e-003	0.0313	0.0260	4.0000e-005		2.1700e-003	2.1700e-003		2.0000e-003	2.0000e-003	0.0000	3.0411	3.0411	9.5000e-004	0.0000	3.0610
Total	**3.4000e-003**	**0.0313**	**0.0260**	**4.0000e-005**		**2.1700e-003**	**2.1700e-003**		**2.0000e-003**	**2.0000e-003**	**0.0000**	**3.0411**	**3.0411**	**9.5000e-004**	**0.0000**	**3.0610**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	1.5000e-004	1.5300e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3406	0.3406	2.0000e-005	0.0000	0.3409
Total	**1.0000e-004**	**1.5000e-004**	**1.5300e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3406**	**0.3406**	**2.0000e-005**	**0.0000**	**0.3409**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4000e-003	0.0313	0.0260	4.0000e-005		2.1700e-003	2.1700e-003		2.0000e-003	2.0000e-003	0.0000	3.0411	3.0411	9.5000e-004	0.0000	3.0610
Total	**3.4000e-003**	**0.0313**	**0.0260**	**4.0000e-005**		**2.1700e-003**	**2.1700e-003**		**2.0000e-003**	**2.0000e-003**	**0.0000**	**3.0411**	**3.0411**	**9.5000e-004**	**0.0000**	**3.0610**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	1.5000e-004	1.5300e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3406	0.3406	2.0000e-005	0.0000	0.3409
Total	**1.0000e-004**	**1.5000e-004**	**1.5300e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3406**	**0.3406**	**2.0000e-005**	**0.0000**	**0.3409**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.0279	0.2858	0.2394	3.7000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	32.3414	32.3414	0.0105	0.0000	32.5610
Total	**0.0279**	**0.2858**	**0.2394**	**3.7000e-004**		**0.0169**	**0.0169**		**0.0156**	**0.0156**	**0.0000**	**32.3414**	**32.3414**	**0.0105**	**0.0000**	**32.5610**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1200e-003	9.9000e-003	0.0157	3.0000e-005	1.0000e-003	1.6000e-004	1.1600e-003	2.9000e-004	1.5000e-004	4.3000e-004	0.0000	2.9687	2.9687	2.0000e-005	0.0000	2.9692
Worker	1.0600e-003	1.5300e-003	0.0162	6.0000e-005	4.6400e-003	3.0000e-005	4.6700e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.5974	3.5974	1.6000e-004	0.0000	3.6008
Total	**2.1800e-003**	**0.0114**	**0.0319**	**9.0000e-005**	**5.6400e-003**	**1.9000e-004**	**5.8300e-003**	**1.5200e-003**	**1.8000e-004**	**1.6900e-003**	**0.0000**	**6.5661**	**6.5661**	**1.8000e-004**	**0.0000**	**6.5700**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0279	0.2858	0.2394	3.7000e-004		0.0169	0.0169		0.0156	0.0156	0.0000	32.3413	32.3413	0.0105	0.0000	32.5610
Total	**0.0279**	**0.2858**	**0.2394**	**3.7000e-004**		**0.0169**	**0.0169**		**0.0156**	**0.0156**	**0.0000**	**32.3413**	**32.3413**	**0.0105**	**0.0000**	**32.5610**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1200e-003	9.9000e-003	0.0157	3.0000e-005	1.0000e-003	1.6000e-004	1.1600e-003	2.9000e-004	1.5000e-004	4.3000e-004	0.0000	2.9687	2.9687	2.0000e-005	0.0000	2.9692
Worker	1.0600e-003	1.5300e-003	0.0162	6.0000e-005	4.6400e-003	3.0000e-005	4.6700e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.5974	3.5974	1.6000e-004	0.0000	3.6008
Total	**2.1800e-003**	**0.0114**	**0.0319**	**9.0000e-005**	**5.6400e-003**	**1.9000e-004**	**5.8300e-003**	**1.5200e-003**	**1.8000e-004**	**1.6900e-003**	**0.0000**	**6.5661**	**6.5661**	**1.8000e-004**	**0.0000**	**6.5700**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0135	0.1388	0.1267	2.0000e-004		7.7900e-003	7.7900e-003		7.1700e-003	7.1700e-003	0.0000	17.4184	17.4184	5.6300e-003	0.0000	17.5367
Total	**0.0135**	**0.1388**	**0.1267**	**2.0000e-004**		**7.7900e-003**	**7.7900e-003**		**7.1700e-003**	**7.1700e-003**	**0.0000**	**17.4184**	**17.4184**	**5.6300e-003**	**0.0000**	**17.5367**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.8000e-004	4.5200e-003	8.2600e-003	2.0000e-005	5.4000e-004	8.0000e-005	6.2000e-004	1.5000e-004	7.0000e-005	2.3000e-004	0.0000	1.5972	1.5972	1.0000e-005	0.0000	1.5974
Worker	5.4000e-004	7.8000e-004	8.2300e-003	3.0000e-005	2.5000e-003	2.0000e-005	2.5200e-003	6.6000e-004	2.0000e-005	6.8000e-004	0.0000	1.9052	1.9052	8.0000e-005	0.0000	1.9069
Total	**1.1200e-003**	**5.3000e-003**	**0.0165**	**5.0000e-005**	**3.0400e-003**	**1.0000e-004**	**3.1400e-003**	**8.1000e-004**	**9.0000e-005**	**9.1000e-004**	**0.0000**	**3.5024**	**3.5024**	**9.0000e-005**	**0.0000**	**3.5044**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0135	0.1388	0.1267	2.0000e-004		7.7900e-003	7.7900e-003		7.1700e-003	7.1700e-003	0.0000	17.4183	17.4183	5.6300e-003	0.0000	17.5366
Total	**0.0135**	**0.1388**	**0.1267**	**2.0000e-004**		**7.7900e-003**	**7.7900e-003**		**7.1700e-003**	**7.1700e-003**	**0.0000**	**17.4183**	**17.4183**	**5.6300e-003**	**0.0000**	**17.5366**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.8000e-004	4.5200e-003	8.2600e-003	2.0000e-005	5.4000e-004	8.0000e-005	6.2000e-004	1.5000e-004	7.0000e-005	2.3000e-004	0.0000	1.5972	1.5972	1.0000e-005	0.0000	1.5974
Worker	5.4000e-004	7.8000e-004	8.2300e-003	3.0000e-005	2.5000e-003	2.0000e-005	2.5200e-003	6.6000e-004	2.0000e-005	6.8000e-004	0.0000	1.9052	1.9052	8.0000e-005	0.0000	1.9069

Total	**1.1200e-003**	**5.3000e-003**	**0.0165**	**5.0000e-005**	**3.0400e-003**	**1.0000e-004**	**3.1400e-003**	**8.1000e-004**	**9.0000e-005**	**9.1000e-004**	**0.0000**	**3.5024**	**3.5024**	**9.0000e-005**	**0.0000**	**3.5044**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7800e-003	0.0166	0.0175	3.0000e-005		8.7000e-004	8.7000e-004		8.1000e-004	8.1000e-004	0.0000	2.3134	2.3134	6.7000e-004	0.0000	2.3275
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.7800e-003**	**0.0166**	**0.0175**	**3.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.1000e-004**	**8.1000e-004**	**0.0000**	**2.3134**	**2.3134**	**6.7000e-004**	**0.0000**	**2.3275**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.6300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3769	0.3769	2.0000e-005	0.0000	0.3772
Total	**1.1000e-004**	**1.5000e-004**	**1.6300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3769**	**0.3769**	**2.0000e-005**	**0.0000**	**0.3772**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.7800e-003	0.0166	0.0175	3.0000e-005		8.7000e-004	8.7000e-004		8.1000e-004	8.1000e-004	0.0000	2.3134	2.3134	6.7000e-004	0.0000	2.3275
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.7800e-003**	**0.0166**	**0.0175**	**3.0000e-005**		**8.7000e-004**	**8.7000e-004**		**8.1000e-004**	**8.1000e-004**	**0.0000**	**2.3134**	**2.3134**	**6.7000e-004**	**0.0000**	**2.3275**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.5000e-004	1.6300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3769	0.3769	2.0000e-005	0.0000	0.3772
Total	**1.1000e-004**	**1.5000e-004**	**1.6300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3769**	**0.3769**	**2.0000e-005**	**0.0000**	**0.3772**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Archit. Coating	0.0927					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2785
Total	**0.0938**	**7.6300e-003**	**9.0900e-003**	**1.0000e-005**		**4.7000e-004**	**4.7000e-004**		**4.7000e-004**	**4.7000e-004**	**0.0000**	**1.2766**	**1.2766**	**9.0000e-005**	**0.0000**	**1.2785**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	5.0000e-005	5.4000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1256	0.1256	1.0000e-005	0.0000	0.1257
Total	**4.0000e-005**	**5.0000e-005**	**5.4000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1256**	**0.1256**	**1.0000e-005**	**0.0000**	**0.1257**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0927					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2785
Total	**0.0938**	**7.6300e-003**	**9.0900e-003**	**1.0000e-005**		**4.7000e-004**	**4.7000e-004**		**4.7000e-004**	**4.7000e-004**	**0.0000**	**1.2766**	**1.2766**	**9.0000e-005**	**0.0000**	**1.2785**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	5.0000e-005	5.4000e-004	0.0000	1.6000e-004	0.0000	1.7000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1256	0.1256	1.0000e-005	0.0000	0.1257
Total	**4.0000e-005**	**5.0000e-005**	**5.4000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.7000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1256**	**0.1256**	**1.0000e-005**	**0.0000**	**0.1257**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2899	0.6230	3.0749	0.0109	0.7821	0.0109	0.7930	0.2090	0.0101	0.2191	0.0000	733.4858	733.4858	0.0253	0.0000	734.0169
Unmitigated	0.2899	0.6230	3.0749	0.0109	0.7821	0.0109	0.7930	0.2090	0.0101	0.2191	0.0000	733.4858	733.4858	0.0253	0.0000	734.0169

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Junior College (2Yr)	879.68	359.36	38.72	2,069,584	2,069,584
Total	879.68	359.36	38.72	2,069,584	2,069,584

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	128.6606	128.6606	5.9100e-003	1.2200e-003	129.1642
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	128.6606	128.6606	5.9100e-003	1.2200e-003	129.1642
NaturalGas Mitigated	2.7400e-003	0.0249	0.0209	1.5000e-004		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	27.0832	27.0832	5.2000e-004	5.0000e-004	27.2480
NaturalGas Unmitigated	2.7400e-003	0.0249	0.0209	1.5000e-004		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	27.0832	27.0832	5.2000e-004	5.0000e-004	27.2480

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	507520	2.7400e-003	0.0249	0.0209	1.5000e-004		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	27.0832	27.0832	5.2000e-004	5.0000e-004	27.2480
Total		**2.7400e-003**	**0.0249**	**0.0209**	**1.5000e-004**		**1.8900e-003**	**1.8900e-003**		**1.8900e-003**	**1.8900e-003**	**0.0000**	**27.0832**	**27.0832**	**5.2000e-004**	**5.0000e-004**	**27.2480**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	507520	2.7400e-003	0.0249	0.0209	1.5000e-004		1.8900e-003	1.8900e-003		1.8900e-003	1.8900e-003	0.0000	27.0832	27.0832	5.2000e-004	5.0000e-004	27.2480
Total		**2.7400e-003**	**0.0249**	**0.0209**	**1.5000e-004**		**1.8900e-003**	**1.8900e-003**		**1.8900e-003**	**1.8900e-003**	**0.0000**	**27.0832**	**27.0832**	**5.2000e-004**	**5.0000e-004**	**27.2480**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	449600	128.6606	5.9100e-003	1.2200e-003	129.1642

Total		**128.6606**	**5.9100e-003**	**1.2200e-003**	**129.1642**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	449600	128.6606	5.9100e-003	1.2200e-003	129.1642
Total		**128.6606**	**5.9100e-003**	**1.2200e-003**	**129.1642**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1528	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.9000e-004	7.9000e-004	0.0000	0.0000	8.4000e-004
Unmitigated	0.1528	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.9000e-004	7.9000e-004	0.0000	0.0000	8.4000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0371					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1156					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.9000e-004	7.9000e-004	0.0000	0.0000	8.4000e-004
Total	**0.1528**	**0.0000**	**4.1000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**7.9000e-004**	**7.9000e-004**	**0.0000**	**0.0000**	**8.4000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0371					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1156					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.9000e-004	7.9000e-004	0.0000	0.0000	8.4000e-004
Total	**0.1528**	**0.0000**	**4.1000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**7.9000e-004**	**7.9000e-004**	**0.0000**	**0.0000**	**8.4000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	14.1516	0.0518	1.3400e-003	15.6526
Unmitigated	14.1516	0.0518	1.3400e-003	15.6534

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	1.56957 / 2.45497	14.1516	0.0518	1.3400e-003	15.6534
Total		**14.1516**	**0.0518**	**1.3400e-003**	**15.6534**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	1.56957 / 2.45497	14.1516	0.0518	1.3400e-003	15.6526
Total		**14.1516**	**0.0518**	**1.3400e-003**	**15.6526**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.4444	0.4991	0.0000	18.9245
Unmitigated	8.4444	0.4991	0.0000	18.9245

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	41.6	8.4444	0.4991	0.0000	18.9245
Total		**8.4444**	**0.4991**	**0.0000**	**18.9245**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	41.6	8.4444	0.4991	0.0000	18.9245
Total		**8.4444**	**0.4991**	**0.0000**	**18.9245**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 3 - Dance Building

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	32.00	1000sqft	0.73	32,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Modified

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - modified

Demolition -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value

tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	5.00	10.00
tblProjectCharacteristics	OperationalYear	2014	2022

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.0993	10.5533	10.9493	0.0238	3.4414	0.5259	3.9506	0.5641	0.4844	1.0484	0.0000	2,230.2347	2,230.2347	0.3610	0.0000	2,237.8149
2021	18.7662	8.2200	8.1344	0.0142	0.2012	0.4509	0.6274	0.0534	0.4148	0.4623	0.0000	1,322.9909	1,322.9909	0.3608	0.0000	1,330.5682
Total	**19.8655**	**18.7733**	**19.0837**	**0.0380**	**3.6426**	**0.9767**	**4.5781**	**0.6174**	**0.8992**	**1.5107**	**0.0000**	**3,553.2256**	**3,553.2256**	**0.7218**	**0.0000**	**3,568.3831**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.0993	10.5533	10.9493	0.0238	1.5613	0.5259	2.0705	0.2794	0.4844	0.7638	0.0000	2,230.2347	2,230.2347	0.3610	0.0000	2,237.8149
2021	18.7662	8.2200	8.1344	0.0142	0.2012	0.4509	0.6274	0.0534	0.4148	0.4623	0.0000	1,322.9909	1,322.9909	0.3608	0.0000	1,330.5682
Total	**19.8655**	**18.7733**	**19.0837**	**0.0380**	**1.7625**	**0.9767**	**2.6980**	**0.3328**	**0.8992**	**1.2260**	**0.0000**	**3,553.2256**	**3,553.2256**	**0.7218**	**0.0000**	**3,568.3831**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**51.61**	**0.00**	**41.07**	**46.10**	**0.00**	**18.84**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Energy	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
Mobile	2.0575	4.0808	21.6841	0.0793	5.6160	0.0772	5.6932	1.4987	0.0713	1.5699		5,892.6617	5,892.6617	0.1968		5,896.7953
Total	**2.9096**	**4.2172**	**21.8019**	**0.0801**	**5.6160**	**0.0875**	**5.7035**	**1.4987**	**0.0816**	**1.5803**		**6,056.2529**	**6,056.2529**	**0.2000**	**3.0000e-003**	**6,061.3824**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Energy	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
Mobile	2.0575	4.0808	21.6841	0.0793	5.6160	0.0772	5.6932	1.4987	0.0713	1.5699		5,892.6617	5,892.6617	0.1968		5,896.7953
Total	**2.9096**	**4.2172**	**21.8019**	**0.0801**	**5.6160**	**0.0875**	**5.7035**	**1.4987**	**0.0816**	**1.5803**		**6,056.2529**	**6,056.2529**	**0.2000**	**3.0000e-003**	**6,061.3824**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/14/2020	5	10	
2	Site Preparation	Site Preparation	9/15/2020	9/15/2020	5	1	
3	Grading	Grading	9/16/2020	9/17/2020	5	2	
4	Trenching	Trenching	9/18/2020	10/1/2020	5	10	
5	Building Construction	Building Construction	10/2/2020	2/18/2021	5	100	
6	Paving	Paving	2/19/2021	2/25/2021	5	5	
7	Architectural Coating	Architectural Coating	2/26/2021	3/11/2021	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 48,000; Non-Residential Outdoor: 16,000 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40

Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	1	8.00	80	0.50
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	142.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0821	0.0000	3.0821	0.4667	0.0000	0.4667			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**3.0821**	**0.4561**	**3.5382**	**0.4667**	**0.4355**	**0.9021**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2211	2.7963	2.4492	0.0104	0.2475	0.0524	0.2999	0.0678	0.0482	0.1160		980.8856	980.8856	7.6200e-003		981.0457
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.2466**	**2.8285**	**2.8512**	**0.0118**	**0.3593**	**0.0532**	**0.4124**	**0.0974**	**0.0489**	**0.1463**		**1,078.5336**	**1,078.5336**	**0.0118**		**1,078.7819**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.2020	0.0000	1.2020	0.1820	0.0000	0.1820			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**1.2020**	**0.4561**	**1.6581**	**0.1820**	**0.4355**	**0.6175**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2211	2.7963	2.4492	0.0104	0.2475	0.0524	0.2999	0.0678	0.0482	0.1160		980.8856	980.8856	7.6200e-003		981.0457
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.2466**	**2.8285**	**2.8512**	**0.0118**	**0.3593**	**0.0532**	**0.4124**	**0.0974**	**0.0489**	**0.1463**		**1,078.5336**	**1,078.5336**	**0.0118**		**1,078.7819**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796		902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.5303**	**0.5213**	**1.0516**	**0.0573**	**0.4796**	**0.5369**		**902.2494**	**902.2494**	**0.2918**		**908.3773**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0128	0.0161	0.2010	6.8000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		48.8240	48.8240	2.1000e-003		48.8681
Total	**0.0128**	**0.0161**	**0.2010**	**6.8000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**48.8240**	**48.8240**	**2.1000e-003**		**48.8681**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796	0.0000	902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.2068**	**0.5213**	**0.7281**	**0.0223**	**0.4796**	**0.5019**	**0.0000**	**902.2494**	**902.2494**	**0.2918**		**908.3773**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0128	0.0161	0.2010	6.8000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		48.8240	48.8240	2.1000e-003		48.8681
Total	**0.0128**	**0.0161**	**0.2010**	**6.8000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**48.8240**	**48.8240**	**2.1000e-003**		**48.8681**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.7528**	**0.4561**	**1.2089**	**0.4138**	**0.4355**	**0.8492**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363

Total	**0.0255**	**0.0321**	**0.4020**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**97.6480**	**97.6480**	**4.2000e-003**		**97.7363**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.2936**	**0.4561**	**0.7497**	**0.1614**	**0.4355**	**0.5968**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.0255**	**0.0321**	**0.4020**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**97.6480**	**97.6480**	**4.2000e-003**		**97.7363**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6801	6.2504	5.1941	7.0500e-003		0.4344	0.4344		0.4005	0.4005		670.4398	670.4398	0.2093		674.8343
Total	**0.6801**	**6.2504**	**5.1941**	**7.0500e-003**		**0.4344**	**0.4344**		**0.4005**	**0.4005**		**670.4398**	**670.4398**	**0.2093**		**674.8343**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0257	0.3216	1.0900e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		78.1184	78.1184	3.3600e-003		78.1890
Total	**0.0204**	**0.0257**	**0.3216**	**1.0900e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**78.1184**	**78.1184**	**3.3600e-003**		**78.1890**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6801	6.2504	5.1941	7.0500e-003		0.4344	0.4344		0.4005	0.4005	0.0000	670.4398	670.4398	0.2093		674.8343
Total	**0.6801**	**6.2504**	**5.1941**	**7.0500e-003**		**0.4344**	**0.4344**		**0.4005**	**0.4005**	**0.0000**	**670.4398**	**670.4398**	**0.2093**		**674.8343**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0204	0.0257	0.3216	1.0900e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		78.1184	78.1184	3.3600e-003		78.1890
Total	**0.0204**	**0.0257**	**0.3216**	**1.0900e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**78.1184**	**78.1184**	**3.3600e-003**		**78.1890**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784		1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**		**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0328	0.2925	0.4090	1.0800e-003	0.0313	4.9100e-003	0.0362	8.9000e-003	4.5200e-003	0.0134		101.0502	101.0502	7.3000e-004		101.0655
Worker	0.0332	0.0418	0.5226	1.7700e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		126.9424	126.9424	5.4600e-003		127.0572
Total	**0.0659**	**0.3343**	**0.9316**	**2.8500e-003**	**0.1766**	**5.9000e-003**	**0.1825**	**0.0474**	**5.4400e-003**	**0.0529**		**227.9926**	**227.9926**	**6.1900e-003**		**228.1227**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784	0.0000	1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**	**0.0000**	**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0328	0.2925	0.4090	1.0800e-003	0.0313	4.9100e-003	0.0362	8.9000e-003	4.5200e-003	0.0134		101.0502	101.0502	7.3000e-004		101.0655
Worker	0.0332	0.0418	0.5226	1.7700e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		126.9424	126.9424	5.4600e-003		127.0572
Total	**0.0659**	**0.3343**	**0.9316**	**2.8500e-003**	**0.1766**	**5.9000e-003**	**0.1825**	**0.0474**	**5.4400e-003**	**0.0529**		**227.9926**	**227.9926**	**6.1900e-003**		**228.1227**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098		1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**		**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0317	0.2483	0.3983	1.0800e-003	0.0313	4.4700e-003	0.0357	8.9000e-003	4.1100e-003	0.0130		100.9659	100.9659	7.4000e-004		100.9813
Worker	0.0316	0.0393	0.4939	1.7700e-003	0.1453	1.0000e-003	0.1463	0.0385	9.3000e-004	0.0395		124.8562	124.8562	5.2400e-003		124.9663

Total	**0.0633**	**0.2875**	**0.8922**	**2.8500e-003**	**0.1766**	**5.4700e-003**	**0.1820**	**0.0474**	**5.0400e-003**	**0.0525**		**225.8221**	**225.8221**	**5.9800e-003**		**225.9476**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098	0.0000	1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**	**0.0000**	**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0317	0.2483	0.3983	1.0800e-003	0.0313	4.4700e-003	0.0357	8.9000e-003	4.1100e-003	0.0130		100.9659	100.9659	7.4000e-004		100.9813
Worker	0.0316	0.0393	0.4939	1.7700e-003	0.1453	1.0000e-003	0.1463	0.0385	9.3000e-004	0.0395		124.8562	124.8562	5.2400e-003		124.9663
Total	**0.0633**	**0.2875**	**0.8922**	**2.8500e-003**	**0.1766**	**5.4700e-003**	**0.1820**	**0.0474**	**5.0400e-003**	**0.0525**		**225.8221**	**225.8221**	**5.9800e-003**		**225.9476**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247		1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**		**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0544	0.6838	2.4600e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		172.8779	172.8779	7.2600e-003		173.0302
Total	**0.0437**	**0.0544**	**0.6838**	**2.4600e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**172.8779**	**172.8779**	**7.2600e-003**		**173.0302**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247	0.0000	1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**	**0.0000**	**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0544	0.6838	2.4600e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		172.8779	172.8779	7.2600e-003		173.0302
Total	**0.0437**	**0.0544**	**0.6838**	**2.4600e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**172.8779**	**172.8779**	**7.2600e-003**		**173.0302**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	18.5400					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	**18.7589**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.8537**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.2800e-003	9.0600e-003	0.1140	4.1000e-004	0.0335	2.3000e-004	0.0338	8.8900e-003	2.1000e-004	9.1100e-003		28.8130	28.8130	1.2100e-003		28.8384
Total	**7.2800e-003**	**9.0600e-003**	**0.1140**	**4.1000e-004**	**0.0335**	**2.3000e-004**	**0.0338**	**8.8900e-003**	**2.1000e-004**	**9.1100e-003**		**28.8130**	**28.8130**	**1.2100e-003**		**28.8384**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	18.5400					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	**18.7589**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.8537**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.2800e-003	9.0600e-003	0.1140	4.1000e-004	0.0335	2.3000e-004	0.0338	8.8900e-003	2.1000e-004	9.1100e-003		28.8130	28.8130	1.2100e-003		28.8384
Total	**7.2800e-003**	**9.0600e-003**	**0.1140**	**4.1000e-004**	**0.0335**	**2.3000e-004**	**0.0338**	**8.8900e-003**	**2.1000e-004**	**9.1100e-003**		**28.8130**	**28.8130**	**1.2100e-003**		**28.8384**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0575	4.0808	21.6841	0.0793	5.6160	0.0772	5.6932	1.4987	0.0713	1.5699		5,892.6617	5,892.6617	0.1968		5,896.7953
Unmitigated	2.0575	4.0808	21.6841	0.0793	5.6160	0.0772	5.6932	1.4987	0.0713	1.5699		5,892.6617	5,892.6617	0.1968		5,896.7953

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	879.68	359.36	38.72	2,069,584	2,069,584
Total	879.68	359.36	38.72	2,069,584	2,069,584

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
NaturalGas Unmitigated	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1390.47	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798

Total		**0.0150**	**0.1363**	**0.1145**	**8.2000e-004**		**0.0104**	**0.0104**		**0.0104**	**0.0104**		**163.5842**	**163.5842**	**3.1400e-003**	**3.0000e-003**	**164.5798**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1.39047	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
Total		**0.0150**	**0.1363**	**0.1145**	**8.2000e-004**		**0.0104**	**0.0104**		**0.0104**	**0.0104**		**163.5842**	**163.5842**	**3.1400e-003**	**3.0000e-003**	**164.5798**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Unmitigated	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2032					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6336					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Total	**0.8371**	**3.0000e-005**	**3.2700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**7.0000e-003**	**7.0000e-003**	**2.0000e-005**		**7.3900e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2032					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6336					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Total	**0.8371**	**3.0000e-005**	**3.2700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**7.0000e-003**	**7.0000e-003**	**2.0000e-005**		**7.3900e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 3 - Dance Building

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	32.00	1000sqft	0.73	32,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Modified

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - modified

Demolition -

Architectural Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value

tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	5.00	10.00
tblProjectCharacteristics	OperationalYear	2014	2022

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.1109	10.6512	11.3503	0.0237	3.4414	0.5259	3.9507	0.5641	0.4845	1.0486	0.0000	2,222.7063	2,222.7063	0.3610	0.0000	2,230.2871
2021	18.7665	8.2292	8.1993	0.0141	0.2012	0.4509	0.6275	0.0534	0.4148	0.4623	0.0000	1,315.4920	1,315.4920	0.3609	0.0000	1,323.0698
Total	**19.8775**	**18.8804**	**19.5495**	**0.0378**	**3.6426**	**0.9768**	**4.5782**	**0.6174**	**0.8993**	**1.5108**	**0.0000**	**3,538.1982**	**3,538.1982**	**0.7218**	**0.0000**	**3,553.3568**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.1109	10.6512	11.3503	0.0237	1.5613	0.5259	2.0706	0.2794	0.4845	0.7639	0.0000	2,222.7063	2,222.7063	0.3610	0.0000	2,230.2871
2021	18.7665	8.2292	8.1993	0.0141	0.2012	0.4509	0.6275	0.0534	0.4148	0.4623	0.0000	1,315.4920	1,315.4920	0.3609	0.0000	1,323.0698
Total	**19.8775**	**18.8804**	**19.5495**	**0.0378**	**1.7625**	**0.9768**	**2.6981**	**0.3328**	**0.8993**	**1.2262**	**0.0000**	**3,538.1982**	**3,538.1982**	**0.7218**	**0.0000**	**3,553.3568**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**51.61**	**0.00**	**41.07**	**46.10**	**0.00**	**18.84**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Energy	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
Mobile	2.1680	4.3113	21.5885	0.0758	5.6160	0.0774	5.6934	1.4987	0.0715	1.5701		5,640.4607	5,640.4607	0.1970		5,644.5979
Total	**3.0201**	**4.4477**	**21.7063**	**0.0766**	**5.6160**	**0.0877**	**5.7037**	**1.4987**	**0.0818**	**1.5805**		**5,804.0520**	**5,804.0520**	**0.2002**	**3.0000e-003**	**5,809.1850**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Energy	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
Mobile	2.1680	4.3113	21.5885	0.0758	5.6160	0.0774	5.6934	1.4987	0.0715	1.5701		5,640.4607	5,640.4607	0.1970		5,644.5979
Total	**3.0201**	**4.4477**	**21.7063**	**0.0766**	**5.6160**	**0.0877**	**5.7037**	**1.4987**	**0.0818**	**1.5805**		**5,804.0520**	**5,804.0520**	**0.2002**	**3.0000e-003**	**5,809.1850**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2020	9/14/2020	5	10	
2	Site Preparation	Site Preparation	9/15/2020	9/15/2020	5	1	
3	Grading	Grading	9/16/2020	9/17/2020	5	2	
4	Trenching	Trenching	9/18/2020	10/1/2020	5	10	
5	Building Construction	Building Construction	10/2/2020	2/18/2021	5	100	
6	Paving	Paving	2/19/2021	2/25/2021	5	5	
7	Architectural Coating	Architectural Coating	2/26/2021	3/11/2021	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 48,000; Non-Residential Outdoor: 16,000 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40

Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	1	8.00	80	0.50
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	142.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0821	0.0000	3.0821	0.4667	0.0000	0.4667			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**3.0821**	**0.4561**	**3.5382**	**0.4667**	**0.4355**	**0.9021**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2314	2.8911	2.8774	0.0104	0.2475	0.0525	0.3000	0.0678	0.0483	0.1161		978.5464	978.5464	7.7300e-003		978.7089
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.2582**	**2.9264**	**3.2522**	**0.0117**	**0.3593**	**0.0533**	**0.4125**	**0.0974**	**0.0490**	**0.1464**		**1,071.0052**	**1,071.0052**	**0.0119**		**1,071.2559**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.2020	0.0000	1.2020	0.1820	0.0000	0.1820			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**1.2020**	**0.4561**	**1.6581**	**0.1820**	**0.4355**	**0.6175**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2314	2.8911	2.8774	0.0104	0.2475	0.0525	0.3000	0.0678	0.0483	0.1161		978.5464	978.5464	7.7300e-003		978.7089
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.2582**	**2.9264**	**3.2522**	**0.0117**	**0.3593**	**0.0533**	**0.4125**	**0.0974**	**0.0490**	**0.1464**		**1,071.0052**	**1,071.0052**	**0.0119**		**1,071.2559**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796		902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.5303**	**0.5213**	**1.0516**	**0.0573**	**0.4796**	**0.5369**		**902.2494**	**902.2494**	**0.2918**		**908.3773**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	0.0177	0.1874	6.4000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		46.2294	46.2294	2.1000e-003		46.2735
Total	**0.0134**	**0.0177**	**0.1874**	**6.4000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**46.2294**	**46.2294**	**2.1000e-003**		**46.2735**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796	0.0000	902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.2068**	**0.5213**	**0.7281**	**0.0223**	**0.4796**	**0.5019**	**0.0000**	**902.2494**	**902.2494**	**0.2918**		**908.3773**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	0.0177	0.1874	6.4000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		46.2294	46.2294	2.1000e-003		46.2735
Total	**0.0134**	**0.0177**	**0.1874**	**6.4000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**46.2294**	**46.2294**	**2.1000e-003**		**46.2735**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.7528**	**0.4561**	**1.2089**	**0.4138**	**0.4355**	**0.8492**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470

Total	**0.0268**	**0.0353**	**0.3748**	**1.2900e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**92.4588**	**92.4588**	**4.2000e-003**		**92.5470**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.2936**	**0.4561**	**0.7497**	**0.1614**	**0.4355**	**0.5968**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.0268**	**0.0353**	**0.3748**	**1.2900e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**92.4588**	**92.4588**	**4.2000e-003**		**92.5470**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6801	6.2504	5.1941	7.0500e-003		0.4344	0.4344		0.4005	0.4005		670.4398	670.4398	0.2093		674.8343
Total	**0.6801**	**6.2504**	**5.1941**	**7.0500e-003**		**0.4344**	**0.4344**		**0.4005**	**0.4005**		**670.4398**	**670.4398**	**0.2093**		**674.8343**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0214	0.0283	0.2999	1.0300e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		73.9670	73.9670	3.3600e-003		74.0376
Total	**0.0214**	**0.0283**	**0.2999**	**1.0300e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**73.9670**	**73.9670**	**3.3600e-003**		**74.0376**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.6801	6.2504	5.1941	7.0500e-003		0.4344	0.4344		0.4005	0.4005	0.0000	670.4398	670.4398	0.2093		674.8343
Total	**0.6801**	**6.2504**	**5.1941**	**7.0500e-003**		**0.4344**	**0.4344**		**0.4005**	**0.4005**	**0.0000**	**670.4398**	**670.4398**	**0.2093**		**674.8343**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0214	0.0283	0.2999	1.0300e-003	0.0894	6.1000e-004	0.0900	0.0237	5.7000e-004	0.0243		73.9670	73.9670	3.3600e-003		74.0376
Total	**0.0214**	**0.0283**	**0.2999**	**1.0300e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.7000e-004**	**0.0243**		**73.9670**	**73.9670**	**3.3600e-003**		**74.0376**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784		1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**		**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0357	0.2988	0.5093	1.0700e-003	0.0313	4.9600e-003	0.0362	8.9000e-003	4.5600e-003	0.0135		100.1924	100.1924	7.6000e-004		100.2083
Worker	0.0348	0.0459	0.4873	1.6800e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		120.1964	120.1964	5.4600e-003		120.3111
Total	**0.0705**	**0.3447**	**0.9965**	**2.7500e-003**	**0.1766**	**5.9500e-003**	**0.1825**	**0.0474**	**5.4800e-003**	**0.0529**		**220.3888**	**220.3888**	**6.2200e-003**		**220.5194**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784	0.0000	1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**	**0.0000**	**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0357	0.2988	0.5093	1.0700e-003	0.0313	4.9600e-003	0.0362	8.9000e-003	4.5600e-003	0.0135		100.1924	100.1924	7.6000e-004		100.2083
Worker	0.0348	0.0459	0.4873	1.6800e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		120.1964	120.1964	5.4600e-003		120.3111
Total	**0.0705**	**0.3447**	**0.9965**	**2.7500e-003**	**0.1766**	**5.9500e-003**	**0.1825**	**0.0474**	**5.4800e-003**	**0.0529**		**220.3888**	**220.3888**	**6.2200e-003**		**220.5194**

3.6 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098		1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**		**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0345	0.2536	0.4973	1.0700e-003	0.0313	4.5000e-003	0.0358	8.9000e-003	4.1400e-003	0.0131		100.1080	100.1080	7.6000e-004		100.1240
Worker	0.0331	0.0431	0.4597	1.6800e-003	0.1453	1.0000e-003	0.1463	0.0385	9.3000e-004	0.0395		118.2152	118.2152	5.2400e-003		118.3252

Total	**0.0676**	**0.2967**	**0.9570**	**2.7500e-003**	**0.1766**	**5.5000e-003**	**0.1821**	**0.0474**	**5.0700e-003**	**0.0525**		**218.3231**	**218.3231**	**6.0000e-003**		**218.4492**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7705	7.9325	7.2422	0.0113		0.4454	0.4454		0.4098	0.4098	0.0000	1,097.1688	1,097.1688	0.3549		1,104.6206
Total	**0.7705**	**7.9325**	**7.2422**	**0.0113**		**0.4454**	**0.4454**		**0.4098**	**0.4098**	**0.0000**	**1,097.1688**	**1,097.1688**	**0.3549**		**1,104.6206**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0345	0.2536	0.4973	1.0700e-003	0.0313	4.5000e-003	0.0358	8.9000e-003	4.1400e-003	0.0131		100.1080	100.1080	7.6000e-004		100.1240
Worker	0.0331	0.0431	0.4597	1.6800e-003	0.1453	1.0000e-003	0.1463	0.0385	9.3000e-004	0.0395		118.2152	118.2152	5.2400e-003		118.3252
Total	**0.0676**	**0.2967**	**0.9570**	**2.7500e-003**	**0.1766**	**5.5000e-003**	**0.1821**	**0.0474**	**5.0700e-003**	**0.0525**		**218.3231**	**218.3231**	**6.0000e-003**		**218.4492**

3.7 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247		1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**		**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0597	0.6365	2.3200e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		163.6825	163.6825	7.2600e-003		163.8349
Total	**0.0458**	**0.0597**	**0.6365**	**2.3200e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**163.6825**	**163.6825**	**7.2600e-003**		**163.8349**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.7131	6.6304	6.9921	0.0111		0.3492	0.3492		0.3247	0.3247	0.0000	1,020.0280	1,020.0280	0.2966		1,026.2569
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7131**	**6.6304**	**6.9921**	**0.0111**		**0.3492**	**0.3492**		**0.3247**	**0.3247**	**0.0000**	**1,020.0280**	**1,020.0280**	**0.2966**		**1,026.2569**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0458	0.0597	0.6365	2.3200e-003	0.2012	1.3900e-003	0.2026	0.0534	1.2900e-003	0.0547		163.6825	163.6825	7.2600e-003		163.8349
Total	**0.0458**	**0.0597**	**0.6365**	**2.3200e-003**	**0.2012**	**1.3900e-003**	**0.2026**	**0.0534**	**1.2900e-003**	**0.0547**		**163.6825**	**163.6825**	**7.2600e-003**		**163.8349**

3.8 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	18.5400					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	**18.7589**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.8537**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.6300e-003	9.9500e-003	0.1061	3.9000e-004	0.0335	2.3000e-004	0.0338	8.8900e-003	2.1000e-004	9.1100e-003		27.2804	27.2804	1.2100e-003		27.3058
Total	**7.6300e-003**	**9.9500e-003**	**0.1061**	**3.9000e-004**	**0.0335**	**2.3000e-004**	**0.0338**	**8.8900e-003**	**2.1000e-004**	**9.1100e-003**		**27.2804**	**27.2804**	**1.2100e-003**		**27.3058**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	18.5400					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	**18.7589**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.8537**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	7.6300e-003	9.9500e-003	0.1061	3.9000e-004	0.0335	2.3000e-004	0.0338	8.8900e-003	2.1000e-004	9.1100e-003		27.2804	27.2804	1.2100e-003		27.3058
Total	**7.6300e-003**	**9.9500e-003**	**0.1061**	**3.9000e-004**	**0.0335**	**2.3000e-004**	**0.0338**	**8.8900e-003**	**2.1000e-004**	**9.1100e-003**		**27.2804**	**27.2804**	**1.2100e-003**		**27.3058**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.1680	4.3113	21.5885	0.0758	5.6160	0.0774	5.6934	1.4987	0.0715	1.5701		5,640.4607	5,640.4607	0.1970		5,644.5979
Unmitigated	2.1680	4.3113	21.5885	0.0758	5.6160	0.0774	5.6934	1.4987	0.0715	1.5701		5,640.4607	5,640.4607	0.1970		5,644.5979

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	879.68	359.36	38.72	2,069,584	2,069,584
Total	879.68	359.36	38.72	2,069,584	2,069,584

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
NaturalGas Unmitigated	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1390.47	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798

Total		**0.0150**	**0.1363**	**0.1145**	**8.2000e-004**		**0.0104**	**0.0104**		**0.0104**	**0.0104**		**163.5842**	**163.5842**	**3.1400e-003**	**3.0000e-003**	**164.5798**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	1.39047	0.0150	0.1363	0.1145	8.2000e-004		0.0104	0.0104		0.0104	0.0104		163.5842	163.5842	3.1400e-003	3.0000e-003	164.5798
Total		**0.0150**	**0.1363**	**0.1145**	**8.2000e-004**		**0.0104**	**0.0104**		**0.0104**	**0.0104**		**163.5842**	**163.5842**	**3.1400e-003**	**3.0000e-003**	**164.5798**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Unmitigated	0.8371	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2032					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6336					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Total	**0.8371**	**3.0000e-005**	**3.2700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**7.0000e-003**	**7.0000e-003**	**2.0000e-005**		**7.3900e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2032					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6336					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-004	3.0000e-005	3.2700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		7.0000e-003	7.0000e-003	2.0000e-005		7.3900e-003
Total	**0.8371**	**3.0000e-005**	**3.2700e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**7.0000e-003**	**7.0000e-003**	**2.0000e-005**		**7.3900e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 3 - Language Arts

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	107.76	1000sqft	0.83	107,760.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Demolition - Demolition of Social and Behavioral Sciences, Virgil D Sessions Lit and Lang Bldg, Writer's Row, Journalism, and 150 Annex

Grading - modified

Architectural Coating - scaqmd rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblLandUse	LotAcreage	2.47	0.83
tblProjectCharacteristics	OperationalYear	2014	2022
tblTripsAndVMT	HaulingTripNumber	287.00	331.00
tblTripsAndVMT	VendorTripNumber	0.00	18.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.3872	0.6905	0.7387	1.4500e-003	0.0699	0.0368	0.1067	0.0153	0.0341	0.0494	0.0000	118.2994	118.2994	0.0213	0.0000	118.7468
Total	**0.3872**	**0.6905**	**0.7387**	**1.4500e-003**	**0.0699**	**0.0368**	**0.1067**	**0.0153**	**0.0341**	**0.0494**	**0.0000**	**118.2994**	**118.2994**	**0.0213**	**0.0000**	**118.7468**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.3872	0.6905	0.7387	1.4500e-003	0.0504	0.0368	0.0872	0.0122	0.0341	0.0462	0.0000	118.2993	118.2993	0.0213	0.0000	118.7467
Total	**0.3872**	**0.6905**	**0.7387**	**1.4500e-003**	**0.0504**	**0.0368**	**0.0872**	**0.0122**	**0.0341**	**0.0462**	**0.0000**	**118.2993**	**118.2993**	**0.0213**	**0.0000**	**118.7467**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**27.94**	**0.00**	**18.32**	**20.48**	**0.00**	**6.36**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5144	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8200e-003
Energy	9.2200e-003	0.0838	0.0704	5.0000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	524.4674	524.4674	0.0217	5.7900e-003	526.7180
Mobile	0.9764	2.0979	10.3546	0.0366	2.6337	0.0368	2.6706	0.7039	0.0340	0.7379	0.0000	2,470.0133	2,470.0133	0.0852	0.0000	2,471.8020
Waste						0.0000	0.0000		0.0000	0.0000	28.4370	0.0000	28.4370	1.6806	0.0000	63.7292
Water						0.0000	0.0000		0.0000	0.0000	1.6769	45.9785	47.6554	0.1743	4.5000e-003	52.7128
Total	**1.5000**	**2.1817**	**10.4264**	**0.0371**	**2.6337**	**0.0432**	**2.6769**	**0.7039**	**0.0404**	**0.7442**	**30.1139**	**3,040.4618**	**3,070.5757**	**1.9618**	**0.0103**	**3,114.9647**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5144	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8200e-003
Energy	9.2200e-003	0.0838	0.0704	5.0000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	524.4674	524.4674	0.0217	5.7900e-003	526.7180
Mobile	0.9764	2.0979	10.3546	0.0366	2.6337	0.0368	2.6706	0.7039	0.0340	0.7379	0.0000	2,470.0133	2,470.0133	0.0852	0.0000	2,471.8020
Waste						0.0000	0.0000		0.0000	0.0000	28.4370	0.0000	28.4370	1.6806	0.0000	63.7292
Water						0.0000	0.0000		0.0000	0.0000	1.6769	45.9785	47.6554	0.1743	4.5000e-003	52.7101
Total	**1.5000**	**2.1817**	**10.4264**	**0.0371**	**2.6337**	**0.0432**	**2.6769**	**0.7039**	**0.0404**	**0.7442**	**30.1139**	**3,040.4618**	**3,070.5757**	**1.9617**	**0.0103**	**3,114.9621**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Site Preparation	Site Preparation	1/29/2020	1/29/2020	5	1	
3	Grading	Grading	1/30/2020	1/31/2020	5	2	
4	Trenching	Trenching	2/1/2020	2/14/2020	5	10	
5	Building Construction	Building Construction	2/15/2020	7/3/2020	5	100	
6	Paving	Paving	7/4/2020	7/10/2020	5	5	
7	Architectural Coating	Architectural Coating	7/11/2020	7/24/2020	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 161,640; Non-Residential Outdoor: 53,880 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Trenching	Cranes	0	4.00	226	0.29
Trenching	Forklifts	0	6.00	89	0.20
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	1	8.00	80	0.50
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	331.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	45.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0310	0.0000	0.0310	4.7000e-003	0.0000	4.7000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5300e-003	0.0773	0.0810	1.2000e-004		4.5600e-003	4.5600e-003		4.3500e-003	4.3500e-003	0.0000	10.4481	10.4481	1.9800e-003	0.0000	10.4897
Total	**8.5300e-003**	**0.0773**	**0.0810**	**1.2000e-004**	**0.0310**	**4.5600e-003**	**0.0356**	**4.7000e-003**	**4.3500e-003**	**9.0500e-003**	**0.0000**	**10.4481**	**10.4481**	**1.9800e-003**	**0.0000**	**10.4897**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.6600e-003	0.0343	0.0324	1.2000e-004	2.8400e-003	6.1000e-004	3.4500e-003	7.8000e-004	5.6000e-004	1.3400e-003	0.0000	10.3607	10.3607	8.0000e-005	0.0000	10.3624
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	3.6000e-004	3.8300e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8515	0.8515	4.0000e-005	0.0000	0.8523
Total	**2.9100e-003**	**0.0346**	**0.0362**	**1.3000e-004**	**3.9400e-003**	**6.2000e-004**	**4.5600e-003**	**1.0700e-003**	**5.7000e-004**	**1.6400e-003**	**0.0000**	**11.2122**	**11.2122**	**1.2000e-004**	**0.0000**	**11.2147**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0121	0.0000	0.0121	1.8300e-003	0.0000	1.8300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5300e-003	0.0773	0.0810	1.2000e-004		4.5600e-003	4.5600e-003		4.3500e-003	4.3500e-003	0.0000	10.4480	10.4480	1.9800e-003	0.0000	10.4896
Total	**8.5300e-003**	**0.0773**	**0.0810**	**1.2000e-004**	**0.0121**	**4.5600e-003**	**0.0167**	**1.8300e-003**	**4.3500e-003**	**6.1800e-003**	**0.0000**	**10.4480**	**10.4480**	**1.9800e-003**	**0.0000**	**10.4896**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	2.6600e-003	0.0343	0.0324	1.2000e-004	2.8400e-003	6.1000e-004	3.4500e-003	7.8000e-004	5.6000e-004	1.3400e-003	0.0000	10.3607	10.3607	8.0000e-005	0.0000	10.3624
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	3.6000e-004	3.8300e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8515	0.8515	4.0000e-005	0.0000	0.8523
Total	**2.9100e-003**	**0.0346**	**0.0362**	**1.3000e-004**	**3.9400e-003**	**6.2000e-004**	**4.5600e-003**	**1.0700e-003**	**5.7000e-004**	**1.6400e-003**	**0.0000**	**11.2122**	**11.2122**	**1.2000e-004**	**0.0000**	**11.2147**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	4.5300e-003	3.4200e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120
Total	**4.6000e-004**	**4.5300e-003**	**3.4200e-003**	**0.0000**	**2.7000e-004**	**2.6000e-004**	**5.3000e-004**	**3.0000e-005**	**2.4000e-004**	**2.7000e-004**	**0.0000**	**0.4093**	**0.4093**	**1.3000e-004**	**0.0000**	**0.4120**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0213	0.0213	0.0000	0.0000	0.0213
Total	**1.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0213**	**0.0213**	**0.0000**	**0.0000**	**0.0213**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6000e-004	4.5300e-003	3.4200e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4093	0.4093	1.3000e-004	0.0000	0.4120
Total	**4.6000e-004**	**4.5300e-003**	**3.4200e-003**	**0.0000**	**1.0000e-004**	**2.6000e-004**	**3.6000e-004**	**1.0000e-005**	**2.4000e-004**	**2.5000e-004**	**0.0000**	**0.4093**	**0.4093**	**1.3000e-004**	**0.0000**	**0.4120**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0213	0.0213	0.0000	0.0000	0.0213
Total	**1.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0213**	**0.0213**	**0.0000**	**0.0000**	**0.0213**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	7.7200e-003	8.1000e-003	1.0000e-005		4.6000e-004	4.6000e-004		4.4000e-004	4.4000e-004	0.0000	1.0448	1.0448	2.0000e-004	0.0000	1.0490
Total	**8.5000e-004**	**7.7200e-003**	**8.1000e-003**	**1.0000e-005**	**7.5000e-004**	**4.6000e-004**	**1.2100e-003**	**4.1000e-004**	**4.4000e-004**	**8.5000e-004**	**0.0000**	**1.0448**	**1.0448**	**2.0000e-004**	**0.0000**	**1.0490**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	4.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0852	0.0852	0.0000	0.0000	0.0852
Total	**2.0000e-005**	**4.0000e-005**	**3.8000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0852**	**0.0852**	**0.0000**	**0.0000**	**0.0852**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.9000e-004	0.0000	2.9000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	8.5000e-004	7.7200e-003	8.1000e-003	1.0000e-005		4.6000e-004	4.6000e-004		4.4000e-004	4.4000e-004	0.0000	1.0448	1.0448	2.0000e-004	0.0000	1.0490
Total	**8.5000e-004**	**7.7200e-003**	**8.1000e-003**	**1.0000e-005**	**2.9000e-004**	**4.6000e-004**	**7.5000e-004**	**1.6000e-004**	**4.4000e-004**	**6.0000e-004**	**0.0000**	**1.0448**	**1.0448**	**2.0000e-004**	**0.0000**	**1.0490**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	4.0000e-005	3.8000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0852	0.0852	0.0000	0.0000	0.0852
Total	**2.0000e-005**	**4.0000e-005**	**3.8000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0852**	**0.0852**	**0.0000**	**0.0000**	**0.0852**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4000e-003	0.0313	0.0260	4.0000e-005		2.1700e-003	2.1700e-003		2.0000e-003	2.0000e-003	0.0000	3.0411	3.0411	9.5000e-004	0.0000	3.0610
Total	**3.4000e-003**	**0.0313**	**0.0260**	**4.0000e-005**		**2.1700e-003**	**2.1700e-003**		**2.0000e-003**	**2.0000e-003**	**0.0000**	**3.0411**	**3.0411**	**9.5000e-004**	**0.0000**	**3.0610**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2000e-004	5.4800e-003	8.7200e-003	2.0000e-005	9.6000e-004	9.0000e-005	1.0500e-003	2.6000e-004	8.0000e-005	3.4000e-004	0.0000	1.6442	1.6442	1.0000e-005	0.0000	1.6445
Worker	2.0000e-004	2.9000e-004	3.0700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	0.6812	0.6812	3.0000e-005	0.0000	0.6818
Total	**8.2000e-004**	**5.7700e-003**	**0.0118**	**3.0000e-005**	**2.6000e-003**	**1.0000e-004**	**2.7000e-003**	**6.8000e-004**	**9.0000e-005**	**7.7000e-004**	**0.0000**	**2.3254**	**2.3254**	**4.0000e-005**	**0.0000**	**2.3263**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.4000e-003	0.0313	0.0260	4.0000e-005		2.1700e-003	2.1700e-003		2.0000e-003	2.0000e-003	0.0000	3.0411	3.0411	9.5000e-004	0.0000	3.0610
Total	**3.4000e-003**	**0.0313**	**0.0260**	**4.0000e-005**		**2.1700e-003**	**2.1700e-003**		**2.0000e-003**	**2.0000e-003**	**0.0000**	**3.0411**	**3.0411**	**9.5000e-004**	**0.0000**	**3.0610**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2000e-004	5.4800e-003	8.7200e-003	2.0000e-005	9.6000e-004	9.0000e-005	1.0500e-003	2.6000e-004	8.0000e-005	3.4000e-004	0.0000	1.6442	1.6442	1.0000e-005	0.0000	1.6445
Worker	2.0000e-004	2.9000e-004	3.0700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	0.6812	0.6812	3.0000e-005	0.0000	0.6818
Total	**8.2000e-004**	**5.7700e-003**	**0.0118**	**3.0000e-005**	**2.6000e-003**	**1.0000e-004**	**2.7000e-003**	**6.8000e-004**	**9.0000e-005**	**7.7000e-004**	**0.0000**	**2.3254**	**2.3254**	**4.0000e-005**	**0.0000**	**2.3263**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0428	0.4397	0.3682	5.7000e-004		0.0260	0.0260		0.0239	0.0239	0.0000	49.7559	49.7559	0.0161	0.0000	50.0939
Total	**0.0428**	**0.4397**	**0.3682**	**5.7000e-004**		**0.0260**	**0.0260**		**0.0239**	**0.0239**	**0.0000**	**49.7559**	**49.7559**	**0.0161**	**0.0000**	**50.0939**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2300e-003	0.0548	0.0872	1.9000e-004	5.5400e-003	8.9000e-004	6.4300e-003	1.5800e-003	8.2000e-004	2.4000e-003	0.0000	16.4420	16.4420	1.2000e-004	0.0000	16.4445
Worker	5.6200e-003	8.1700e-003	0.0863	2.9000e-004	0.0247	1.7000e-004	0.0249	6.5600e-003	1.6000e-004	6.7200e-003	0.0000	19.1579	19.1579	8.6000e-004	0.0000	19.1760
Total	**0.0119**	**0.0630**	**0.1735**	**4.8000e-004**	**0.0302**	**1.0600e-003**	**0.0313**	**8.1400e-003**	**9.8000e-004**	**9.1200e-003**	**0.0000**	**35.5999**	**35.5999**	**9.8000e-004**	**0.0000**	**35.6205**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0428	0.4397	0.3682	5.7000e-004		0.0260	0.0260		0.0239	0.0239	0.0000	49.7559	49.7559	0.0161	0.0000	50.0938
Total	**0.0428**	**0.4397**	**0.3682**	**5.7000e-004**		**0.0260**	**0.0260**		**0.0239**	**0.0239**	**0.0000**	**49.7559**	**49.7559**	**0.0161**	**0.0000**	**50.0938**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2300e-003	0.0548	0.0872	1.9000e-004	5.5400e-003	8.9000e-004	6.4300e-003	1.5800e-003	8.2000e-004	2.4000e-003	0.0000	16.4420	16.4420	1.2000e-004	0.0000	16.4445
Worker	5.6200e-003	8.1700e-003	0.0863	2.9000e-004	0.0247	1.7000e-004	0.0249	6.5600e-003	1.6000e-004	6.7200e-003	0.0000	19.1579	19.1579	8.6000e-004	0.0000	19.1760
Total	**0.0119**	**0.0630**	**0.1735**	**4.8000e-004**	**0.0302**	**1.0600e-003**	**0.0313**	**8.1400e-003**	**9.8000e-004**	**9.1200e-003**	**0.0000**	**35.5999**	**35.5999**	**9.8000e-004**	**0.0000**	**35.6205**

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9100e-003	0.0178	0.0175	3.0000e-005		9.8000e-004	9.8000e-004		9.1000e-004	9.1000e-004	0.0000	2.3135	2.3135	6.7000e-004	0.0000	2.3276
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.9100e-003**	**0.0178**	**0.0175**	**3.0000e-005**		**9.8000e-004**	**9.8000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**2.3135**	**2.3135**	**6.7000e-004**	**0.0000**	**2.3276**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.6000e-004	1.7300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3832	0.3832	2.0000e-005	0.0000	0.3835
Total	**1.1000e-004**	**1.6000e-004**	**1.7300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3832**	**0.3832**	**2.0000e-005**	**0.0000**	**0.3835**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9100e-003	0.0178	0.0175	3.0000e-005		9.8000e-004	9.8000e-004		9.1000e-004	9.1000e-004	0.0000	2.3135	2.3135	6.7000e-004	0.0000	2.3276

Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.9100e-003**	**0.0178**	**0.0175**	**3.0000e-005**		**9.8000e-004**	**9.8000e-004**		**9.1000e-004**	**9.1000e-004**	**0.0000**	**2.3135**	**2.3135**	**6.7000e-004**	**0.0000**	**2.3276**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.6000e-004	1.7300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3832	0.3832	2.0000e-005	0.0000	0.3835
Total	**1.1000e-004**	**1.6000e-004**	**1.7300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3832**	**0.3832**	**2.0000e-005**	**0.0000**	**0.3835**

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3122					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2787
Total	**0.3134**	**8.4200e-003**	**9.1600e-003**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**1.0000e-004**	**0.0000**	**1.2787**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.6000e-004	1.7300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3832	0.3832	2.0000e-005	0.0000	0.3835
Total	**1.1000e-004**	**1.6000e-004**	**1.7300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3832**	**0.3832**	**2.0000e-005**	**0.0000**	**0.3835**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3122					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2787
Total	**0.3134**	**8.4200e-003**	**9.1600e-003**	**1.0000e-005**		**5.5000e-004**	**5.5000e-004**		**5.5000e-004**	**5.5000e-004**	**0.0000**	**1.2766**	**1.2766**	**1.0000e-004**	**0.0000**	**1.2787**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	1.6000e-004	1.7300e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3832	0.3832	2.0000e-005	0.0000	0.3835
Total	**1.1000e-004**	**1.6000e-004**	**1.7300e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.3832**	**0.3832**	**2.0000e-005**	**0.0000**	**0.3835**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9764	2.0979	10.3546	0.0366	2.6337	0.0368	2.6706	0.7039	0.0340	0.7379	0.0000	2,470.0133	2,470.0133	0.0852	0.0000	2,471.8020
Unmitigated	0.9764	2.0979	10.3546	0.0366	2.6337	0.0368	2.6706	0.7039	0.0340	0.7379	0.0000	2,470.0133	2,470.0133	0.0852	0.0000	2,471.8020

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	2,962.32	1,210.14	130.39	6,969,324	6,969,324
Total	2,962.32	1,210.14	130.39	6,969,324	6,969,324

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	433.2647	433.2647	0.0199	4.1200e-003	434.9603
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	433.2647	433.2647	0.0199	4.1200e-003	434.9603
NaturalGas Mitigated	9.2200e-003	0.0838	0.0704	5.0000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	91.2027	91.2027	1.7500e-003	1.6700e-003	91.7577
NaturalGas Unmitigated	9.2200e-003	0.0838	0.0704	5.0000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	91.2027	91.2027	1.7500e-003	1.6700e-003	91.7577

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	1.70907e+006	9.2200e-003	0.0838	0.0704	5.0000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	91.2027	91.2027	1.7500e-003	1.6700e-003	91.7577

Total		**9.2200e-003**	**0.0838**	**0.0704**	**5.0000e-004**		**6.3700e-003**	**6.3700e-003**		**6.3700e-003**	**6.3700e-003**	**0.0000**	**91.2027**	**91.2027**	**1.7500e-003**	**1.6700e-003**	**91.7577**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	1.70907e+006	9.2200e-003	0.0838	0.0704	5.0000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	91.2027	91.2027	1.7500e-003	1.6700e-003	91.7577
Total		**9.2200e-003**	**0.0838**	**0.0704**	**5.0000e-004**		**6.3700e-003**	**6.3700e-003**		**6.3700e-003**	**6.3700e-003**	**0.0000**	**91.2027**	**91.2027**	**1.7500e-003**	**1.6700e-003**	**91.7577**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	1.51403e+006	433.2647	0.0199	4.1200e-003	434.9603
Total		**433.2647**	**0.0199**	**4.1200e-003**	**434.9603**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	1.51403e+006	433.2647	0.0199	4.1200e-003	434.9603
Total		**433.2647**	**0.0199**	**4.1200e-003**	**434.9603**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5144	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8200e-003
Unmitigated	0.5144	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					

Architectural Coating	0.1249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3894					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8200e-003
Total	**0.5144**	**1.0000e-005**	**1.3800e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.6700e-003**	**2.6700e-003**	**1.0000e-005**	**0.0000**	**2.8200e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1249					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3894					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8200e-003
Total	**0.5144**	**1.0000e-005**	**1.3800e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.6700e-003**	**2.6700e-003**	**1.0000e-005**	**0.0000**	**2.8200e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	47.6554	0.1743	4.5000e-003	52.7101
Unmitigated	47.6554	0.1743	4.5000e-003	52.7128

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	5.28552 / 8.2671	47.6554	0.1743	4.5000e-003	52.7128
Total		**47.6554**	**0.1743**	**4.5000e-003**	**52.7128**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	5.28552 / 8.2671	47.6554	0.1743	4.5000e-003	52.7101
Total		**47.6554**	**0.1743**	**4.5000e-003**	**52.7101**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	28.4370	1.6806	0.0000	63.7292
Unmitigated	28.4370	1.6806	0.0000	63.7292

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	140.09	28.4370	1.6806	0.0000	63.7292
Total		**28.4370**	**1.6806**	**0.0000**	**63.7292**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

Junior College (2Yr)	140.09	28.4370	1.6806	0.0000	63.7292
Total		**28.4370**	**1.6806**	**0.0000**	**63.7292**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 3 - Language Arts

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	107.76	1000sqft	0.83	107,760.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Demolition - Demolition of Social and Behavioral Sciences, Virgil D Sessions Lit and Lang Bldg, Writer's Row, Journalism, and 150 Annex

Grading - modified

Architectural Coating - scaqmd rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblLandUse	LotAcreage	2.47	0.83
tblProjectCharacteristics	OperationalYear	2014	2022
tblTripsAndVMT	HaulingTripNumber	287.00	331.00
tblTripsAndVMT	VendorTripNumber	0.00	18.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	62.6986	11.0160	11.3546	0.0256	3.5028	0.5411	4.0208	0.5784	0.4978	1.0708	0.0000	2,392.5643	2,392.5643	0.3763	0.0000	2,400.4669
Total	**62.6986**	**11.0160**	**11.3546**	**0.0256**	**3.5028**	**0.5411**	**4.0208**	**0.5784**	**0.4978**	**1.0708**	**0.0000**	**2,392.5643**	**2,392.5643**	**0.3763**	**0.0000**	**2,400.4669**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	62.6986	11.0160	11.3546	0.0256	1.6102	0.5411	2.1282	0.2918	0.4978	0.7842	0.0000	2,392.5643	2,392.5643	0.3763	0.0000	2,400.4669
Total	**62.6986**	**11.0160**	**11.3546**	**0.0256**	**1.6102**	**0.5411**	**2.1282**	**0.2918**	**0.4978**	**0.7842**	**0.0000**	**2,392.5643**	**2,392.5643**	**0.3763**	**0.0000**	**2,400.4669**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.03**	**0.00**	**47.07**	**49.54**	**0.00**	**26.76**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Energy	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Mobile	6.9286	13.7421	73.0213	0.2671	18.9119	0.2598	19.1717	5.0468	0.2400	5.2868		19,843.5383	19,843.5383	0.6629		19,857.4582
Total	**9.7980**	**14.2013**	**73.4179**	**0.2699**	**18.9119**	**0.2947**	**19.2066**	**5.0468**	**0.2749**	**5.3217**		**20,394.4317**	**20,394.4317**	**0.6735**	**0.0101**	**20,411.7054**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Energy	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Mobile	6.9286	13.7421	73.0213	0.2671	18.9119	0.2598	19.1717	5.0468	0.2400	5.2868		19,843.5383	19,843.5383	0.6629		19,857.4582
Total	**9.7980**	**14.2013**	**73.4179**	**0.2699**	**18.9119**	**0.2947**	**19.2066**	**5.0468**	**0.2749**	**5.3217**		**20,394.4317**	**20,394.4317**	**0.6735**	**0.0101**	**20,411.7054**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Site Preparation	Site Preparation	1/29/2020	1/29/2020	5	1	
3	Grading	Grading	1/30/2020	1/31/2020	5	2	
4	Trenching	Trenching	2/1/2020	2/14/2020	5	10	
5	Building Construction	Building Construction	2/15/2020	7/3/2020	5	100	
6	Paving	Paving	7/4/2020	7/10/2020	5	5	
7	Architectural Coating	Architectural Coating	7/11/2020	7/24/2020	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 161,640; Non-Residential Outdoor: 53,880 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Trenching	Cranes	0	4.00	226	0.29
Trenching	Forklifts	0	6.00	89	0.20
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	1	8.00	80	0.50
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

Demolition	4	10.00	0.00	331.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	45.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1026	0.0000	3.1026	0.4698	0.0000	0.4698			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**3.1026**	**0.4561**	**3.5587**	**0.4698**	**0.4355**	**0.9052**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.2576	3.2591	2.8545	0.0122	0.2884	0.0611	0.3495	0.0790	0.0562	0.1352		1,143.2153	1,143.2153	8.8800e-003		1,143.4018
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.2832**	**3.2912**	**3.2565**	**0.0135**	**0.4002**	**0.0618**	**0.4620**	**0.1086**	**0.0569**	**0.1655**		**1,240.8633**	**1,240.8633**	**0.0131**		**1,241.1381**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2100	0.0000	1.2100	0.1832	0.0000	0.1832			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**1.2100**	**0.4561**	**1.6661**	**0.1832**	**0.4355**	**0.6187**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2576	3.2591	2.8545	0.0122	0.2884	0.0611	0.3495	0.0790	0.0562	0.1352		1,143.2153	1,143.2153	8.8800e-003		1,143.4018
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363

Total	**0.2832**	**3.2912**	**3.2565**	**0.0135**	**0.4002**	**0.0618**	**0.4620**	**0.1086**	**0.0569**	**0.1655**		**1,240.8633**	**1,240.8633**	**0.0131**		**1,241.1381**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796		902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.5303**	**0.5213**	**1.0516**	**0.0573**	**0.4796**	**0.5369**		**902.2494**	**902.2494**	**0.2918**		**908.3773**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0128	0.0161	0.2010	6.8000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		48.8240	48.8240	2.1000e-003		48.8681
Total	**0.0128**	**0.0161**	**0.2010**	**6.8000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**48.8240**	**48.8240**	**2.1000e-003**		**48.8681**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796	0.0000	902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.2068**	**0.5213**	**0.7281**	**0.0223**	**0.4796**	**0.5019**	**0.0000**	**902.2494**	**902.2494**	**0.2918**		**908.3773**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0128	0.0161	0.2010	6.8000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		48.8240	48.8240	2.1000e-003		48.8681
Total	**0.0128**	**0.0161**	**0.2010**	**6.8000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**48.8240**	**48.8240**	**2.1000e-003**		**48.8681**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.7528**	**0.4561**	**1.2089**	**0.4138**	**0.4355**	**0.8492**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.0255**	**0.0321**	**0.4020**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**97.6480**	**97.6480**	**4.2000e-003**		**97.7363**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.2936**	**0.4561**	**0.7497**	**0.1614**	**0.4355**	**0.5968**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0255	0.0321	0.4020	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		97.6480	97.6480	4.2000e-003		97.7363
Total	**0.0255**	**0.0321**	**0.4020**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**97.6480**	**97.6480**	**4.2000e-003**		**97.7363**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6801	6.2504	5.1941	7.0500e-003		0.4344	0.4344		0.4005	0.4005		670.4398	670.4398	0.2093		674.8343
Total	**0.6801**	**6.2504**	**5.1941**	**7.0500e-003**		**0.4344**	**0.4344**		**0.4005**	**0.4005**		**670.4398**	**670.4398**	**0.2093**		**674.8343**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1179	1.0530	1.4723	3.8800e-003	0.1946	0.0177	0.2123	0.0522	0.0163	0.0685		363.7806	363.7806	2.6300e-003		363.8360
Worker	0.0408	0.0514	0.6432	2.1800e-003	0.3343	1.2200e-003	0.3356	0.0856	1.1300e-003	0.0867		156.2368	156.2368	6.7200e-003		156.3780
Total	**0.1588**	**1.1044**	**2.1156**	**6.0600e-003**	**0.5290**	**0.0189**	**0.5479**	**0.1378**	**0.0174**	**0.1552**		**520.0175**	**520.0175**	**9.3500e-003**		**520.2140**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6801	6.2504	5.1941	7.0500e-003		0.4344	0.4344		0.4005	0.4005	0.0000	670.4398	670.4398	0.2093		674.8343
Total	**0.6801**	**6.2504**	**5.1941**	**7.0500e-003**		**0.4344**	**0.4344**		**0.4005**	**0.4005**	**0.0000**	**670.4398**	**670.4398**	**0.2093**		**674.8343**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1179	1.0530	1.4723	3.8800e-003	0.1946	0.0177	0.2123	0.0522	0.0163	0.0685		363.7806	363.7806	2.6300e-003		363.8360
Worker	0.0408	0.0514	0.6432	2.1800e-003	0.3343	1.2200e-003	0.3356	0.0856	1.1300e-003	0.0867		156.2368	156.2368	6.7200e-003		156.3780

Total	**0.1588**	**1.1044**	**2.1156**	**6.0600e-003**	**0.5290**	**0.0189**	**0.5479**	**0.1378**	**0.0174**	**0.1552**		**520.0175**	**520.0175**	**9.3500e-003**		**520.2140**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784		1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**		**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1179	1.0530	1.4723	3.8800e-003	0.1125	0.0177	0.1302	0.0321	0.0163	0.0483		363.7806	363.7806	2.6300e-003		363.8360
Worker	0.1149	0.1446	1.8091	6.1300e-003	0.5030	3.4400e-003	0.5064	0.1334	3.1900e-003	0.1366		439.4161	439.4161	0.0189		439.8132
Total	**0.2328**	**1.1976**	**3.2815**	**0.0100**	**0.6155**	**0.0211**	**0.6367**	**0.1655**	**0.0195**	**0.1849**		**803.1968**	**803.1968**	**0.0215**		**803.6492**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784	0.0000	1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**	**0.0000**	**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1179	1.0530	1.4723	3.8800e-003	0.1125	0.0177	0.1302	0.0321	0.0163	0.0483		363.7806	363.7806	2.6300e-003		363.8360
Worker	0.1149	0.1446	1.8091	6.1300e-003	0.5030	3.4400e-003	0.5064	0.1334	3.1900e-003	0.1366		439.4161	439.4161	0.0189		439.8132
Total	**0.2328**	**1.1976**	**3.2815**	**0.0100**	**0.6155**	**0.0211**	**0.6367**	**0.1655**	**0.0195**	**0.1849**		**803.1968**	**803.1968**	**0.0215**		**803.6492**

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.7627	7.1320	7.0153	0.0111		0.3905	0.3905		0.3626	0.3626		1,020.0710	1,020.0710	0.2966		1,026.3002
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7627**	**7.1320**	**7.0153**	**0.0111**		**0.3905**	**0.3905**		**0.3626**	**0.3626**		**1,020.0710**	**1,020.0710**	**0.2966**		**1,026.3002**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0459	0.0579	0.7237	2.4500e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		175.7665	175.7665	7.5600e-003		175.9253
Total	**0.0459**	**0.0579**	**0.7237**	**2.4500e-003**	**0.2012**	**1.3800e-003**	**0.2026**	**0.0534**	**1.2800e-003**	**0.0546**		**175.7665**	**175.7665**	**7.5600e-003**		**175.9253**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7627	7.1320	7.0153	0.0111		0.3905	0.3905		0.3626	0.3626	0.0000	1,020.0710	1,020.0710	0.2966		1,026.3002
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7627**	**7.1320**	**7.0153**	**0.0111**		**0.3905**	**0.3905**		**0.3626**	**0.3626**	**0.0000**	**1,020.0710**	**1,020.0710**	**0.2966**		**1,026.3002**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0459	0.0579	0.7237	2.4500e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		175.7665	175.7665	7.5600e-003		175.9253
Total	**0.0459**	**0.0579**	**0.7237**	**2.4500e-003**	**0.2012**	**1.3800e-003**	**0.2026**	**0.0534**	**1.2800e-003**	**0.0546**		**175.7665**	**175.7665**	**7.5600e-003**		**175.9253**

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	62.4335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	**62.6756**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9057**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0230	0.0289	0.3618	1.2300e-003	0.1006	6.9000e-004	0.1013	0.0267	6.4000e-004	0.0273		87.8832	87.8832	3.7800e-003		87.9627
Total	**0.0230**	**0.0289**	**0.3618**	**1.2300e-003**	**0.1006**	**6.9000e-004**	**0.1013**	**0.0267**	**6.4000e-004**	**0.0273**		**87.8832**	**87.8832**	**3.7800e-003**		**87.9627**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	62.4335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057
Total	**62.6756**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9057**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0230	0.0289	0.3618	1.2300e-003	0.1006	6.9000e-004	0.1013	0.0267	6.4000e-004	0.0273		87.8832	87.8832	3.7800e-003		87.9627

Total	**0.0230**	**0.0289**	**0.3618**	**1.2300e-003**	**0.1006**	**6.9000e-004**	**0.1013**	**0.0267**	**6.4000e-004**	**0.0273**		**87.8832**	**87.8832**	**3.7800e-003**		**87.9627**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.9286	13.7421	73.0213	0.2671	18.9119	0.2598	19.1717	5.0468	0.2400	5.2868		19,843.5383	19,843.5383	0.6629		19,857.4582
Unmitigated	6.9286	13.7421	73.0213	0.2671	18.9119	0.2598	19.1717	5.0468	0.2400	5.2868		19,843.5383	19,843.5383	0.6629		19,857.4582

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	2,962.32	1,210.14	130.39	6,969,324	6,969,324
Total	2,962.32	1,210.14	130.39	6,969,324	6,969,324

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
NaturalGas Unmitigated	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4682.39	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Total		**0.0505**	**0.4591**	**0.3856**	**2.7500e-003**		**0.0349**	**0.0349**		**0.0349**	**0.0349**		**550.8698**	**550.8698**	**0.0106**	**0.0101**	**554.2223**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4.68239	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Total		**0.0505**	**0.4591**	**0.3856**	**2.7500e-003**		**0.0349**	**0.0349**		**0.0349**	**0.0349**		**550.8698**	**550.8698**	**0.0106**	**0.0101**	**554.2223**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Unmitigated	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Architectural Coating	0.6842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Total	**2.8189**	**1.0000e-004**	**0.0110**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0236**	**0.0236**	**6.0000e-005**		**0.0249**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Total	**2.8189**	**1.0000e-004**	**0.0110**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0236**	**0.0236**	**6.0000e-005**		**0.0249**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

Phase 3 - Language Arts

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	107.76	1000sqft	0.83	107,760.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Demolition - Demolition of Social and Behavioral Sciences, Virgil D Sessions Lit and Lang Bldg, Writer's Row, Journalism, and 150 Annex

Grading - modified

Architectural Coating - scaqmd rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	10.00	20.00
tblLandUse	LotAcreage	2.47	0.83
tblProjectCharacteristics	OperationalYear	2014	2022
tblTripsAndVMT	HaulingTripNumber	287.00	331.00
tblTripsAndVMT	VendorTripNumber	0.00	18.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	62.6997	11.1297	11.8265	0.0255	3.5028	0.5413	4.0209	0.5784	0.4980	1.0709	0.0000	2,384.6488	2,384.6488	0.3764	0.0000	2,392.5533
Total	**62.6997**	**11.1297**	**11.8265**	**0.0255**	**3.5028**	**0.5413**	**4.0209**	**0.5784**	**0.4980**	**1.0709**	**0.0000**	**2,384.6488**	**2,384.6488**	**0.3764**	**0.0000**	**2,392.5533**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	62.6997	11.1297	11.8265	0.0255	1.6102	0.5413	2.1283	0.2918	0.4980	0.7843	0.0000	2,384.6488	2,384.6488	0.3764	0.0000	2,392.5533
Total	**62.6997**	**11.1297**	**11.8265**	**0.0255**	**1.6102**	**0.5413**	**2.1283**	**0.2918**	**0.4980**	**0.7843**	**0.0000**	**2,384.6488**	**2,384.6488**	**0.3764**	**0.0000**	**2,392.5533**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.03**	**0.00**	**47.07**	**49.54**	**0.00**	**26.76**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Energy	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Mobile	7.3009	14.5185	72.6994	0.2551	18.9119	0.2606	19.1724	5.0468	0.2406	5.2875		18,994.2515	18,994.2515	0.6634		19,008.1833
Total	**10.1703**	**14.9776**	**73.0960**	**0.2579**	**18.9119**	**0.2955**	**19.2073**	**5.0468**	**0.2756**	**5.3224**		**19,545.1449**	**19,545.1449**	**0.6740**	**0.0101**	**19,562.4305**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Energy	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Mobile	7.3009	14.5185	72.6994	0.2551	18.9119	0.2606	19.1724	5.0468	0.2406	5.2875		18,994.2515	18,994.2515	0.6634		19,008.1833
Total	**10.1703**	**14.9776**	**73.0960**	**0.2579**	**18.9119**	**0.2955**	**19.2073**	**5.0468**	**0.2756**	**5.3224**		**19,545.1449**	**19,545.1449**	**0.6740**	**0.0101**	**19,562.4305**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Site Preparation	Site Preparation	1/29/2020	1/29/2020	5	1	
3	Grading	Grading	1/30/2020	1/31/2020	5	2	
4	Trenching	Trenching	2/1/2020	2/14/2020	5	10	
5	Building Construction	Building Construction	2/15/2020	7/3/2020	5	100	
6	Paving	Paving	7/4/2020	7/10/2020	5	5	
7	Architectural Coating	Architectural Coating	7/11/2020	7/24/2020	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 161,640; Non-Residential Outdoor: 53,880 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Trenching	Cranes	0	4.00	226	0.29
Trenching	Forklifts	0	6.00	89	0.20
Trenching	Plate Compactors	1	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	1	8.00	80	0.50
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class

Demolition	4	10.00	0.00	331.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	45.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	9.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1026	0.0000	3.1026	0.4698	0.0000	0.4698			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**3.1026**	**0.4561**	**3.5587**	**0.4698**	**0.4355**	**0.9052**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.2698	3.3695	3.3536	0.0121	0.2884	0.0612	0.3496	0.0790	0.0563	0.1353		1,140.4890	1,140.4890	9.0100e-003		1,140.6783
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.2965**	**3.4049**	**3.7284**	**0.0134**	**0.4002**	**0.0620**	**0.4622**	**0.1086**	**0.0570**	**0.1656**		**1,232.9478**	**1,232.9478**	**0.0132**		**1,233.2253**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2100	0.0000	1.2100	0.1832	0.0000	0.1832			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**1.2100**	**0.4561**	**1.6661**	**0.1832**	**0.4355**	**0.6187**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2698	3.3695	3.3536	0.0121	0.2884	0.0612	0.3496	0.0790	0.0563	0.1353		1,140.4890	1,140.4890	9.0100e-003		1,140.6783
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470

Total	**0.2965**	**3.4049**	**3.7284**	**0.0134**	**0.4002**	**0.0620**	**0.4622**	**0.1086**	**0.0570**	**0.1656**		**1,232.9478**	**1,232.9478**	**0.0132**		**1,233.2253**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796		902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.5303**	**0.5213**	**1.0516**	**0.0573**	**0.4796**	**0.5369**		**902.2494**	**902.2494**	**0.2918**		**908.3773**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	0.0177	0.1874	6.4000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		46.2294	46.2294	2.1000e-003		46.2735
Total	**0.0134**	**0.0177**	**0.1874**	**6.4000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**46.2294**	**46.2294**	**2.1000e-003**		**46.2735**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.9225	9.0637	6.8357	9.3100e-003		0.5213	0.5213		0.4796	0.4796	0.0000	902.2494	902.2494	0.2918		908.3773
Total	**0.9225**	**9.0637**	**6.8357**	**9.3100e-003**	**0.2068**	**0.5213**	**0.7281**	**0.0223**	**0.4796**	**0.5019**	**0.0000**	**902.2494**	**902.2494**	**0.2918**		**908.3773**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0134	0.0177	0.1874	6.4000e-004	0.0559	3.8000e-004	0.0563	0.0148	3.5000e-004	0.0152		46.2294	46.2294	2.1000e-003		46.2735
Total	**0.0134**	**0.0177**	**0.1874**	**6.4000e-004**	**0.0559**	**3.8000e-004**	**0.0563**	**0.0148**	**3.5000e-004**	**0.0152**		**46.2294**	**46.2294**	**2.1000e-003**		**46.2735**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355		1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.7528**	**0.4561**	**1.2089**	**0.4138**	**0.4355**	**0.8492**		**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.0268**	**0.0353**	**0.3748**	**1.2900e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**92.4588**	**92.4588**	**4.2000e-003**		**92.5470**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2936	0.0000	0.2936	0.1614	0.0000	0.1614			0.0000			0.0000
Off-Road	0.8527	7.7248	8.0981	0.0120		0.4561	0.4561		0.4355	0.4355	0.0000	1,151.7011	1,151.7011	0.2184		1,156.2863
Total	**0.8527**	**7.7248**	**8.0981**	**0.0120**	**0.2936**	**0.4561**	**0.7497**	**0.1614**	**0.4355**	**0.5968**	**0.0000**	**1,151.7011**	**1,151.7011**	**0.2184**		**1,156.2863**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0353	0.3748	1.2900e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		92.4588	92.4588	4.2000e-003		92.5470
Total	**0.0268**	**0.0353**	**0.3748**	**1.2900e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**92.4588**	**92.4588**	**4.2000e-003**		**92.5470**

3.5 Trenching - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6801	6.2504	5.1941	7.0500e-003		0.4344	0.4344		0.4005	0.4005		670.4398	670.4398	0.2093		674.8343
Total	**0.6801**	**6.2504**	**5.1941**	**7.0500e-003**		**0.4344**	**0.4344**		**0.4005**	**0.4005**		**670.4398**	**670.4398**	**0.2093**		**674.8343**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day											lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1285	1.0755	1.8333	3.8600e-003	0.1946	0.0179	0.2125	0.0522	0.0164	0.0686		360.6926	360.6926	2.7300e-003		360.7498
Worker	0.0428	0.0565	0.5997	2.0600e-003	0.3343	1.2200e-003	0.3356	0.0856	1.1300e-003	0.0867		147.9340	147.9340	6.7200e-003		148.0752
Total	**0.1713**	**1.1320**	**2.4330**	**5.9200e-003**	**0.5290**	**0.0191**	**0.5480**	**0.1378**	**0.0176**	**0.1554**		**508.6266**	**508.6266**	**9.4500e-003**		**508.8251**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6801	6.2504	5.1941	7.0500e-003		0.4344	0.4344		0.4005	0.4005	0.0000	670.4398	670.4398	0.2093		674.8343
Total	**0.6801**	**6.2504**	**5.1941**	**7.0500e-003**		**0.4344**	**0.4344**		**0.4005**	**0.4005**	**0.0000**	**670.4398**	**670.4398**	**0.2093**		**674.8343**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1285	1.0755	1.8333	3.8600e-003	0.1946	0.0179	0.2125	0.0522	0.0164	0.0686		360.6926	360.6926	2.7300e-003		360.7498
Worker	0.0428	0.0565	0.5997	2.0600e-003	0.3343	1.2200e-003	0.3356	0.0856	1.1300e-003	0.0867		147.9340	147.9340	6.7200e-003		148.0752

Total	**0.1713**	**1.1320**	**2.4330**	**5.9200e-003**	**0.5290**	**0.0191**	**0.5480**	**0.1378**	**0.0176**	**0.1554**		**508.6266**	**508.6266**	**9.4500e-003**		**508.8251**

3.6 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784		1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**		**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1285	1.0755	1.8333	3.8600e-003	0.1125	0.0179	0.1304	0.0321	0.0164	0.0485		360.6926	360.6926	2.7300e-003		360.7498
Worker	0.1204	0.1590	1.6867	5.8000e-003	0.5030	3.4400e-003	0.5064	0.1334	3.1900e-003	0.1366		416.0645	416.0645	0.0189		416.4616
Total	**0.2489**	**1.2345**	**3.5199**	**9.6600e-003**	**0.6155**	**0.0213**	**0.6368**	**0.1655**	**0.0196**	**0.1851**		**776.7571**	**776.7571**	**0.0216**		**777.2114**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8568	8.7940	7.3646	0.0113		0.5200	0.5200		0.4784	0.4784	0.0000	1,096.9306	1,096.9306	0.3548		1,104.3807
Total	**0.8568**	**8.7940**	**7.3646**	**0.0113**		**0.5200**	**0.5200**		**0.4784**	**0.4784**	**0.0000**	**1,096.9306**	**1,096.9306**	**0.3548**		**1,104.3807**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1285	1.0755	1.8333	3.8600e-003	0.1125	0.0179	0.1304	0.0321	0.0164	0.0485		360.6926	360.6926	2.7300e-003		360.7498
Worker	0.1204	0.1590	1.6867	5.8000e-003	0.5030	3.4400e-003	0.5064	0.1334	3.1900e-003	0.1366		416.0645	416.0645	0.0189		416.4616
Total	**0.2489**	**1.2345**	**3.5199**	**9.6600e-003**	**0.6155**	**0.0213**	**0.6368**	**0.1655**	**0.0196**	**0.1851**		**776.7571**	**776.7571**	**0.0216**		**777.2114**

3.7 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	0.7627	7.1320	7.0153	0.0111		0.3905	0.3905		0.3626	0.3626		1,020.0710	1,020.0710	0.2966		1,026.3002
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7627**	**7.1320**	**7.0153**	**0.0111**		**0.3905**	**0.3905**		**0.3626**	**0.3626**		**1,020.0710**	**1,020.0710**	**0.2966**		**1,026.3002**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0482	0.0636	0.6747	2.3200e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		166.4258	166.4258	7.5600e-003		166.5846
Total	**0.0482**	**0.0636**	**0.6747**	**2.3200e-003**	**0.2012**	**1.3800e-003**	**0.2026**	**0.0534**	**1.2800e-003**	**0.0546**		**166.4258**	**166.4258**	**7.5600e-003**		**166.5846**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7627	7.1320	7.0153	0.0111		0.3905	0.3905		0.3626	0.3626	0.0000	1,020.0710	1,020.0710	0.2966		1,026.3002
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7627**	**7.1320**	**7.0153**	**0.0111**		**0.3905**	**0.3905**		**0.3626**	**0.3626**	**0.0000**	**1,020.0710**	**1,020.0710**	**0.2966**		**1,026.3002**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0482	0.0636	0.6747	2.3200e-003	0.2012	1.3800e-003	0.2026	0.0534	1.2800e-003	0.0546		166.4258	166.4258	7.5600e-003		166.5846
Total	**0.0482**	**0.0636**	**0.6747**	**2.3200e-003**	**0.2012**	**1.3800e-003**	**0.2026**	**0.0534**	**1.2800e-003**	**0.0546**		**166.4258**	**166.4258**	**7.5600e-003**		**166.5846**

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	62.4335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	**62.6756**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**		**281.4481**	**281.4481**	**0.0218**		**281.9057**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0241	0.0318	0.3373	1.1600e-003	0.1006	6.9000e-004	0.1013	0.0267	6.4000e-004	0.0273		83.2129	83.2129	3.7800e-003		83.2923
Total	**0.0241**	**0.0318**	**0.3373**	**1.1600e-003**	**0.1006**	**6.9000e-004**	**0.1013**	**0.0267**	**6.4000e-004**	**0.0273**		**83.2129**	**83.2129**	**3.7800e-003**		**83.2923**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	62.4335					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057
Total	**62.6756**	**1.6838**	**1.8314**	**2.9700e-003**		**0.1109**	**0.1109**		**0.1109**	**0.1109**	**0.0000**	**281.4481**	**281.4481**	**0.0218**		**281.9057**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0241	0.0318	0.3373	1.1600e-003	0.1006	6.9000e-004	0.1013	0.0267	6.4000e-004	0.0273		83.2129	83.2129	3.7800e-003		83.2923

Total	**0.0241**	**0.0318**	**0.3373**	**1.1600e-003**	**0.1006**	**6.9000e-004**	**0.1013**	**0.0267**	**6.4000e-004**	**0.0273**		**83.2129**	**83.2129**	**3.7800e-003**		**83.2923**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.3009	14.5185	72.6994	0.2551	18.9119	0.2606	19.1724	5.0468	0.2406	5.2875		18,994.2515	18,994.2515	0.6634		19,008.1833
Unmitigated	7.3009	14.5185	72.6994	0.2551	18.9119	0.2606	19.1724	5.0468	0.2406	5.2875		18,994.2515	18,994.2515	0.6634		19,008.1833

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	2,962.32	1,210.14	130.39	6,969,324	6,969,324
Total	2,962.32	1,210.14	130.39	6,969,324	6,969,324

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.505043	0.056653	0.194832	0.151784	0.042126	0.005989	0.016072	0.016505	0.001461	0.002178	0.004464	0.000494	0.002401

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
NaturalGas Unmitigated	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4682.39	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Total		**0.0505**	**0.4591**	**0.3856**	**2.7500e-003**		**0.0349**	**0.0349**		**0.0349**	**0.0349**		**550.8698**	**550.8698**	**0.0106**	**0.0101**	**554.2223**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	4.68239	0.0505	0.4591	0.3856	2.7500e-003		0.0349	0.0349		0.0349	0.0349		550.8698	550.8698	0.0106	0.0101	554.2223
Total		**0.0505**	**0.4591**	**0.3856**	**2.7500e-003**		**0.0349**	**0.0349**		**0.0349**	**0.0349**		**550.8698**	**550.8698**	**0.0106**	**0.0101**	**554.2223**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Unmitigated	2.8189	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					

Architectural Coating	0.6842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Total	**2.8189**	**1.0000e-004**	**0.0110**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0236**	**0.0236**	**6.0000e-005**		**0.0249**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6842					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1337					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0200e-003	1.0000e-004	0.0110	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0236	0.0236	6.0000e-005		0.0249
Total	**2.8189**	**1.0000e-004**	**0.0110**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0236**	**0.0236**	**6.0000e-005**		**0.0249**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

Phase 2 - Student Housing Project

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	303.69	Dwelling Unit	3.50	303,688.00	869

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified; Student Housing Project is multiple stories - according to HPI will be 3.5 acres

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified to account for 3.5 acre footprint

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Trips and VMT -

Demolition - Assuming denisty of pavement is 150 lbs/ft3, and pavement is 1 foot deep

Architectural Coating - scaqmd rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	35.00
tblGrading	AcresOfGrading	7.50	0.00
tblLandUse	LandUseSquareFeet	303,690.00	303,688.00
tblLandUse	LotAcreage	18.98	3.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	OperationalYear	2014	2020

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.5273	3.5408	3.7945	7.4400e-003	0.4433	0.1976	0.6409	0.1108	0.1880	0.2988	0.0000	603.0221	603.0221	0.0738	0.0000	604.5710
2018	1.2301	0.2983	0.3469	6.9000e-004	0.0267	0.0172	0.0439	7.1000e-003	0.0164	0.0235	0.0000	55.3610	55.3610	8.0500e-003	0.0000	55.5301
Total	**1.7574**	**3.8391**	**4.1414**	**8.1300e-003**	**0.4699**	**0.2148**	**0.6847**	**0.1179**	**0.2043**	**0.3222**	**0.0000**	**658.3831**	**658.3831**	**0.0818**	**0.0000**	**660.1011**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.5273	3.5408	3.7945	7.4400e-003	0.3527	0.1976	0.5503	0.0913	0.1880	0.2792	0.0000	603.0218	603.0218	0.0738	0.0000	604.5707
2018	1.2301	0.2983	0.3469	6.9000e-004	0.0267	0.0172	0.0439	7.1000e-003	0.0164	0.0235	0.0000	55.3610	55.3610	8.0500e-003	0.0000	55.5300
Total	**1.7574**	**3.8391**	**4.1414**	**8.1300e-003**	**0.3793**	**0.2148**	**0.5941**	**0.0984**	**0.2043**	**0.3027**	**0.0000**	**658.3828**	**658.3828**	**0.0818**	**0.0000**	**660.1008**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**19.28**	**0.00**	**13.23**	**16.55**	**0.00**	**6.06**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.3063	0.0616	5.0498	3.2000e-003		0.3072	0.3072		0.3071	0.3071	32.2481	67.1048	99.3529	0.1012	2.1900e-003	102.1559
Energy	0.0180	0.1542	0.0656	9.8000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	491.4725	491.4725	0.0178	6.2500e-003	493.7837
Mobile	0.9504	2.3716	10.8754	0.0357	2.5867	0.0366	2.6233	0.6912	0.0338	0.7250	0.0000	2,468.1116	2,468.1116	0.0898	0.0000	2,469.9967
Waste						0.0000	0.0000		0.0000	0.0000	28.3578	0.0000	28.3578	1.6759	0.0000	63.5517
Water						0.0000	0.0000		0.0000	0.0000	6.2774	113.3878	119.6652	0.6500	0.0163	138.3681
Total	**3.2747**	**2.5874**	**15.9908**	**0.0399**	**2.5867**	**0.3562**	**2.9429**	**0.6912**	**0.3534**	**1.0446**	**66.8833**	**3,140.0767**	**3,206.9601**	**2.5346**	**0.0247**	**3,267.8562**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.3063	0.0616	5.0498	3.2000e-003		0.3072	0.3072		0.3071	0.3071	32.2481	67.1048	99.3529	0.1012	2.1900e-003	102.1559
Energy	0.0180	0.1542	0.0656	9.8000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	491.4725	491.4725	0.0178	6.2500e-003	493.7837
Mobile	0.9504	2.3716	10.8754	0.0357	2.5867	0.0366	2.6233	0.6912	0.0338	0.7250	0.0000	2,468.1116	2,468.1116	0.0898	0.0000	2,469.9967
Waste						0.0000	0.0000		0.0000	0.0000	28.3578	0.0000	28.3578	1.6759	0.0000	63.5517
Water						0.0000	0.0000		0.0000	0.0000	6.2774	113.3878	119.6652	0.6498	0.0163	138.3581
Total	**3.2747**	**2.5874**	**15.9908**	**0.0399**	**2.5867**	**0.3562**	**2.9429**	**0.6912**	**0.3534**	**1.0446**	**66.8833**	**3,140.0767**	**3,206.9601**	**2.5345**	**0.0247**	**3,267.8462**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.08**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/3/2017	5	5	
3	Grading	Grading	2/4/2017	2/15/2017	5	8	
4	Trenching	Trenching	2/16/2017	3/1/2017	5	10	
5	Building Construction	Building Construction	3/2/2017	1/17/2018	5	230	
6	Paving	Paving	1/18/2018	2/12/2018	5	18	
7	Architectural Coating	Architectural Coating	2/13/2018	4/2/2018	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 614,968; Residential Outdoor: 204,989; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	255	0.40

Site Preparation	Scrapers	1	8.00	361	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Excavators	0	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Trenching	Plate Compactors	2	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	2	8.00	80	0.50
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	1,131.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	219.00	32.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Architectural Coating	1	44.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1224	0.0000	0.1224	0.0185	0.0000	0.0185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0272	0.2659	0.2087	2.4000e-004		0.0161	0.0161		0.0150	0.0150	0.0000	22.2938	22.2938	5.6600e-003	0.0000	22.4126
Total	**0.0272**	**0.2659**	**0.2087**	**2.4000e-004**	**0.1224**	**0.0161**	**0.1384**	**0.0185**	**0.0150**	**0.0335**	**0.0000**	**22.2938**	**22.2938**	**5.6600e-003**	**0.0000**	**22.4126**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0102	0.1504	0.1209	4.2000e-004	9.7000e-003	2.1500e-003	0.0119	2.6600e-003	1.9700e-003	4.6300e-003	0.0000	37.3667	37.3667	2.7000e-004	0.0000	37.3723
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	6.0000e-004	6.2400e-003	2.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2366	1.2366	6.0000e-005	0.0000	1.2378
Total	**0.0106**	**0.1510**	**0.1271**	**4.4000e-004**	**0.0111**	**2.1600e-003**	**0.0133**	**3.0400e-003**	**1.9800e-003**	**5.0200e-003**	**0.0000**	**38.6033**	**38.6033**	**3.3000e-004**	**0.0000**	**38.6101**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0477	0.0000	0.0477	7.2200e-003	0.0000	7.2200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0272	0.2659	0.2087	2.4000e-004		0.0161	0.0161		0.0150	0.0150	0.0000	22.2938	22.2938	5.6600e-003	0.0000	22.4125
Total	**0.0272**	**0.2659**	**0.2087**	**2.4000e-004**	**0.0477**	**0.0161**	**0.0638**	**7.2200e-003**	**0.0150**	**0.0222**	**0.0000**	**22.2938**	**22.2938**	**5.6600e-003**	**0.0000**	**22.4125**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0102	0.1504	0.1209	4.2000e-004	9.7000e-003	2.1500e-003	0.0119	2.6600e-003	1.9700e-003	4.6300e-003	0.0000	37.3667	37.3667	2.7000e-004	0.0000	37.3723
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-004	6.0000e-004	6.2400e-003	2.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2366	1.2366	6.0000e-005	0.0000	1.2378
Total	**0.0106**	**0.1510**	**0.1271**	**4.4000e-004**	**0.0111**	**2.1600e-003**	**0.0133**	**3.0400e-003**	**1.9800e-003**	**5.0200e-003**	**0.0000**	**38.6033**	**38.6033**	**3.3000e-004**	**0.0000**	**38.6101**

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3200e-003	0.0716	0.0428	6.0000e-005		3.4900e-003	3.4900e-003		3.2100e-003	3.2100e-003	0.0000	5.5326	5.5326	1.7000e-003	0.0000	5.5682
Total	**6.3200e-003**	**0.0716**	**0.0428**	**6.0000e-005**	**0.0000**	**3.4900e-003**	**3.4900e-003**	**0.0000**	**3.2100e-003**	**3.2100e-003**	**0.0000**	**5.5326**	**5.5326**	**1.7000e-003**	**0.0000**	**5.5682**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	9.0000e-005	9.6000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1902	0.1902	1.0000e-005	0.0000	0.1904
Total	**6.0000e-005**	**9.0000e-005**	**9.6000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1902**	**0.1902**	**1.0000e-005**	**0.0000**	**0.1904**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3200e-003	0.0716	0.0428	6.0000e-005		3.4900e-003	3.4900e-003		3.2100e-003	3.2100e-003	0.0000	5.5325	5.5325	1.7000e-003	0.0000	5.5681

Total	**6.3200e-003**	**0.0716**	**0.0428**	**6.0000e-005**	**0.0000**	**3.4900e-003**	**3.4900e-003**	**0.0000**	**3.2100e-003**	**3.2100e-003**	**0.0000**	**5.5325**	**5.5325**	**1.7000e-003**	**0.0000**	**5.5681**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	9.0000e-005	9.6000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1902	0.1902	1.0000e-005	0.0000	0.1904
Total	**6.0000e-005**	**9.0000e-005**	**9.6000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1902**	**0.1902**	**1.0000e-005**	**0.0000**	**0.1904**

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.1126	0.0759	8.0000e-005		6.2200e-003	6.2200e-003		5.7200e-003	5.7200e-003	0.0000	7.6370	7.6370	2.3400e-003	0.0000	7.6861
Total	**0.0108**	**0.1126**	**0.0759**	**8.0000e-005**	**0.0262**	**6.2200e-003**	**0.0324**	**0.0135**	**5.7200e-003**	**0.0192**	**0.0000**	**7.6370**	**7.6370**	**2.3400e-003**	**0.0000**	**7.6861**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.8000e-004	1.9200e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3805	0.3805	2.0000e-005	0.0000	0.3809
Total	**1.2000e-004**	**1.8000e-004**	**1.9200e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3805**	**0.3805**	**2.0000e-005**	**0.0000**	**0.3809**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0102	0.0000	0.0102	5.2500e-003	0.0000	5.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.1126	0.0759	8.0000e-005		6.2200e-003	6.2200e-003		5.7200e-003	5.7200e-003	0.0000	7.6369	7.6369	2.3400e-003	0.0000	7.6861
Total	**0.0108**	**0.1126**	**0.0759**	**8.0000e-005**	**0.0102**	**6.2200e-003**	**0.0164**	**5.2500e-003**	**5.7200e-003**	**0.0110**	**0.0000**	**7.6369**	**7.6369**	**2.3400e-003**	**0.0000**	**7.6861**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2000e-004	1.8000e-004	1.9200e-003	1.0000e-005	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3805	0.3805	2.0000e-005	0.0000	0.3809
Total	**1.2000e-004**	**1.8000e-004**	**1.9200e-003**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**4.4000e-004**	**1.2000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.3805**	**0.3805**	**2.0000e-005**	**0.0000**	**0.3809**

3.5 Trenching - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3600e-003	0.0649	0.0421	5.0000e-005		4.9300e-003	4.9300e-003		4.5500e-003	4.5500e-003	0.0000	4.9692	4.9692	1.4600e-003	0.0000	4.9998
Total	**7.3600e-003**	**0.0649**	**0.0421**	**5.0000e-005**		**4.9300e-003**	**4.9300e-003**		**4.5500e-003**	**4.5500e-003**	**0.0000**	**4.9692**	**4.9692**	**1.4600e-003**	**0.0000**	**4.9998**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	3.0000e-004	3.1200e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6183	0.6183	3.0000e-005	0.0000	0.6189
Total	**2.0000e-004**	**3.0000e-004**	**3.1200e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.6183**	**0.6183**	**3.0000e-005**	**0.0000**	**0.6189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3600e-003	0.0649	0.0421	5.0000e-005		4.9300e-003	4.9300e-003		4.5500e-003	4.5500e-003	0.0000	4.9692	4.9692	1.4600e-003	0.0000	4.9998
Total	**7.3600e-003**	**0.0649**	**0.0421**	**5.0000e-005**		**4.9300e-003**	**4.9300e-003**		**4.5500e-003**	**4.5500e-003**	**0.0000**	**4.9692**	**4.9692**	**1.4600e-003**	**0.0000**	**4.9998**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	3.0000e-004	3.1200e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6183	0.6183	3.0000e-005	0.0000	0.6189
Total	**2.0000e-004**	**3.0000e-004**	**3.1200e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.6183**	**0.6183**	**3.0000e-005**	**0.0000**	**0.6189**

3.6 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3610	2.4802	1.7630	2.7000e-003		0.1586	0.1586		0.1519	0.1519	0.0000	229.8183	229.8183	0.0511	0.0000	230.8909
Total	**0.3610**	**2.4802**	**1.7630**	**2.7000e-003**		**0.1586**	**0.1586**		**0.1519**	**0.1519**	**0.0000**	**229.8183**	**229.8183**	**0.0511**	**0.0000**	**230.8909**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0299	0.2850	0.3875	7.5000e-004	0.0214	4.2700e-003	0.0256	6.1000e-003	3.9200e-003	0.0100	0.0000	66.9547	66.9547	4.8000e-004	0.0000	66.9647
Worker	0.0738	0.1092	1.1414	3.1000e-003	0.2609	1.8100e-003	0.2627	0.0693	1.6800e-003	0.0710	0.0000	226.0244	226.0244	0.0107	0.0000	226.2485
Total	**0.1036**	**0.3942**	**1.5289**	**3.8500e-003**	**0.2822**	**6.0800e-003**	**0.2883**	**0.0754**	**5.6000e-003**	**0.0810**	**0.0000**	**292.9791**	**292.9791**	**0.0112**	**0.0000**	**293.2132**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3610	2.4801	1.7630	2.7000e-003		0.1586	0.1586		0.1519	0.1519	0.0000	229.8180	229.8180	0.0511	0.0000	230.8906

Total	**0.3610**	**2.4801**	**1.7630**	**2.7000e-003**		**0.1586**	**0.1586**		**0.1519**	**0.1519**	**0.0000**	**229.8180**	**229.8180**	**0.0511**	**0.0000**	**230.8906**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0299	0.2850	0.3875	7.5000e-004	0.0214	4.2700e-003	0.0256	6.1000e-003	3.9200e-003	0.0100	0.0000	66.9547	66.9547	4.8000e-004	0.0000	66.9647
Worker	0.0738	0.1092	1.1414	3.1000e-003	0.2609	1.8100e-003	0.2627	0.0693	1.6800e-003	0.0710	0.0000	226.0244	226.0244	0.0107	0.0000	226.2485
Total	**0.1036**	**0.3942**	**1.5289**	**3.8500e-003**	**0.2822**	**6.0800e-003**	**0.2883**	**0.0754**	**5.6000e-003**	**0.0810**	**0.0000**	**292.9791**	**292.9791**	**0.0112**	**0.0000**	**293.2132**

3.6 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0189	0.1336	0.1018	1.6000e-004		8.1300e-003	8.1300e-003		7.7900e-003	7.7900e-003	0.0000	13.6639	13.6639	2.9400e-003	0.0000	13.7256
Total	**0.0189**	**0.1336**	**0.1018**	**1.6000e-004**		**8.1300e-003**	**8.1300e-003**		**7.7900e-003**	**7.7900e-003**	**0.0000**	**13.6639**	**13.6639**	**2.9400e-003**	**0.0000**	**13.7256**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6700e-003	0.0157	0.0222	4.0000e-005	1.2800e-003	2.4000e-004	1.5200e-003	3.7000e-004	2.2000e-004	5.9000e-004	0.0000	3.9430	3.9430	3.0000e-005	0.0000	3.9436
Worker	4.0200e-003	5.9700e-003	0.0625	1.9000e-004	0.0156	1.1000e-004	0.0157	4.1500e-003	1.0000e-004	4.2500e-003	0.0000	13.0329	13.0329	6.0000e-004	0.0000	13.0455
Total	**5.6900e-003**	**0.0216**	**0.0846**	**2.3000e-004**	**0.0169**	**3.5000e-004**	**0.0173**	**4.5200e-003**	**3.2000e-004**	**4.8400e-003**	**0.0000**	**16.9759**	**16.9759**	**6.3000e-004**	**0.0000**	**16.9890**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0189	0.1336	0.1018	1.6000e-004		8.1300e-003	8.1300e-003		7.7900e-003	7.7900e-003	0.0000	13.6639	13.6639	2.9400e-003	0.0000	13.7255
Total	**0.0189**	**0.1336**	**0.1018**	**1.6000e-004**		**8.1300e-003**	**8.1300e-003**		**7.7900e-003**	**7.7900e-003**	**0.0000**	**13.6639**	**13.6639**	**2.9400e-003**	**0.0000**	**13.7255**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6700e-003	0.0157	0.0222	4.0000e-005	1.2800e-003	2.4000e-004	1.5200e-003	3.7000e-004	2.2000e-004	5.9000e-004	0.0000	3.9430	3.9430	3.0000e-005	0.0000	3.9436
Worker	4.0200e-003	5.9700e-003	0.0625	1.9000e-004	0.0156	1.1000e-004	0.0157	4.1500e-003	1.0000e-004	4.2500e-003	0.0000	13.0329	13.0329	6.0000e-004	0.0000	13.0455
Total	**5.6900e-003**	**0.0216**	**0.0846**	**2.3000e-004**	**0.0169**	**3.5000e-004**	**0.0173**	**4.5200e-003**	**3.2000e-004**	**4.8400e-003**	**0.0000**	**16.9759**	**16.9759**	**6.3000e-004**	**0.0000**	**16.9890**

3.7 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0102	0.1042	0.0890	1.3000e-004		6.0300e-003	6.0300e-003		5.5600e-003	5.5600e-003	0.0000	12.1321	12.1321	3.6900e-003	0.0000	12.2096
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0102**	**0.1042**	**0.0890**	**1.3000e-004**		**6.0300e-003**	**6.0300e-003**		**5.5600e-003**	**5.5600e-003**	**0.0000**	**12.1321**	**12.1321**	**3.6900e-003**	**0.0000**	**12.2096**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	4.9000e-004	5.1300e-003	2.0000e-005	1.2800e-003	1.0000e-005	1.2900e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.0712	1.0712	5.0000e-005	0.0000	1.0722
Total	**3.3000e-004**	**4.9000e-004**	**5.1300e-003**	**2.0000e-005**	**1.2800e-003**	**1.0000e-005**	**1.2900e-003**	**3.4000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**1.0712**	**1.0712**	**5.0000e-005**	**0.0000**	**1.0722**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0102	0.1042	0.0890	1.3000e-004		6.0300e-003	6.0300e-003		5.5600e-003	5.5600e-003	0.0000	12.1321	12.1321	3.6900e-003	0.0000	12.2096
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0102**	**0.1042**	**0.0890**	**1.3000e-004**		**6.0300e-003**	**6.0300e-003**		**5.5600e-003**	**5.5600e-003**	**0.0000**	**12.1321**	**12.1321**	**3.6900e-003**	**0.0000**	**12.2096**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	4.9000e-004	5.1300e-003	2.0000e-005	1.2800e-003	1.0000e-005	1.2900e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.0712	1.0712	5.0000e-005	0.0000	1.0722
Total	**3.3000e-004**	**4.9000e-004**	**5.1300e-003**	**2.0000e-005**	**1.2800e-003**	**1.0000e-005**	**1.2900e-003**	**3.4000e-004**	**1.0000e-005**	**3.5000e-004**	**0.0000**	**1.0712**	**1.0712**	**5.0000e-005**	**0.0000**	**1.0722**

3.8 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1877					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2300e-003	0.0351	0.0325	5.0000e-005		2.6300e-003	2.6300e-003		2.6300e-003	2.6300e-003	0.0000	4.4682	4.4682	4.2000e-004	0.0000	4.4771
Total	**1.1929**	**0.0351**	**0.0325**	**5.0000e-005**		**2.6300e-003**	**2.6300e-003**		**2.6300e-003**	**2.6300e-003**	**0.0000**	**4.4682**	**4.4682**	**4.2000e-004**	**0.0000**	**4.4771**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1800e-003	3.2300e-003	0.0338	1.0000e-004	8.4500e-003	6.0000e-005	8.5100e-003	2.2400e-003	5.0000e-005	2.3000e-003	0.0000	7.0498	7.0498	3.2000e-004	0.0000	7.0566
Total	**2.1800e-003**	**3.2300e-003**	**0.0338**	**1.0000e-004**	**8.4500e-003**	**6.0000e-005**	**8.5100e-003**	**2.2400e-003**	**5.0000e-005**	**2.3000e-003**	**0.0000**	**7.0498**	**7.0498**	**3.2000e-004**	**0.0000**	**7.0566**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1877					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Off-Road	5.2300e-003	0.0351	0.0325	5.0000e-005		2.6300e-003	2.6300e-003		2.6300e-003	2.6300e-003	0.0000	4.4682	4.4682	4.2000e-004	0.0000	4.4771
Total	**1.1929**	**0.0351**	**0.0325**	**5.0000e-005**		**2.6300e-003**	**2.6300e-003**		**2.6300e-003**	**2.6300e-003**	**0.0000**	**4.4682**	**4.4682**	**4.2000e-004**	**0.0000**	**4.4771**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1800e-003	3.2300e-003	0.0338	1.0000e-004	8.4500e-003	6.0000e-005	8.5100e-003	2.2400e-003	5.0000e-005	2.3000e-003	0.0000	7.0498	7.0498	3.2000e-004	0.0000	7.0566
Total	**2.1800e-003**	**3.2300e-003**	**0.0338**	**1.0000e-004**	**8.4500e-003**	**6.0000e-005**	**8.5100e-003**	**2.2400e-003**	**5.0000e-005**	**2.3000e-003**	**0.0000**	**7.0498**	**7.0498**	**3.2000e-004**	**0.0000**	**7.0566**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9504	2.3716	10.8754	0.0357	2.5867	0.0366	2.6233	0.6912	0.0338	0.7250	0.0000	2,468.1116	2,468.1116	0.0898	0.0000	2,469.9967
Unmitigated	0.9504	2.3716	10.8754	0.0357	2.5867	0.0366	2.6233	0.6912	0.0338	0.7250	0.0000	2,468.1116	2,468.1116	0.0898	0.0000	2,469.9967

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,001.32	2,174.42	1843.40	6,846,217	6,846,217
Total	2,001.32	2,174.42	1,843.40	6,846,217	6,846,217

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.508857	0.056420	0.193204	0.150829	0.041936	0.005921	0.015893	0.015805	0.001454	0.002159	0.004747	0.000498	0.002277

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	312.9408	312.9408	0.0144	2.9800e-003	314.1655
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	312.9408	312.9408	0.0144	2.9800e-003	314.1655
NaturalGas Mitigated	0.0180	0.1542	0.0656	9.8000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	178.5317	178.5317	3.4200e-003	3.2700e-003	179.6183
NaturalGas Unmitigated	0.0180	0.1542	0.0656	9.8000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	178.5317	178.5317	3.4200e-003	3.2700e-003	179.6183

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	3.34556e+006	0.0180	0.1542	0.0656	9.8000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	178.5317	178.5317	3.4200e-003	3.2700e-003	179.6183
Total		**0.0180**	**0.1542**	**0.0656**	**9.8000e-004**		**0.0125**	**0.0125**		**0.0125**	**0.0125**	**0.0000**	**178.5317**	**178.5317**	**3.4200e-003**	**3.2700e-003**	**179.6183**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	3.34556e+006	0.0180	0.1542	0.0656	9.8000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	178.5317	178.5317	3.4200e-003	3.2700e-003	179.6183
Total		**0.0180**	**0.1542**	**0.0656**	**9.8000e-004**		**0.0125**	**0.0125**		**0.0125**	**0.0125**	**0.0000**	**178.5317**	**178.5317**	**3.4200e-003**	**3.2700e-003**	**179.6183**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.09356e+006	312.9408	0.0144	2.9800e-003	314.1655
Total		**312.9408**	**0.0144**	**2.9800e-003**	**314.1655**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.09356e+006	312.9408	0.0144	2.9800e-003	314.1655
Total		**312.9408**	**0.0144**	**2.9800e-003**	**314.1655**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.3063	0.0616	5.0498	3.2000e-003		0.3072	0.3072		0.3071	0.3071	32.2481	67.1048	99.3529	0.1012	2.1900e-003	102.1559

Unmitigated	2.3063	0.0616	5.0498	3.2000e-003		0.3072	0.3072		0.3071	0.3071	32.2481	67.1048	99.3529	0.1012	2.1900e-003	102.1559

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1188					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0974					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.9944	0.0252	1.9075	3.0300e-003		0.2899	0.2899		0.2899	0.2899	32.2481	61.9890	94.2371	0.0962	2.1900e-003	96.9353
Landscaping	0.0957	0.0363	3.1423	1.7000e-004		0.0173	0.0173		0.0173	0.0173	0.0000	5.1158	5.1158	4.9900e-003	0.0000	5.2206
Total	**2.3063**	**0.0616**	**5.0498**	**3.2000e-003**		**0.3072**	**0.3072**		**0.3071**	**0.3071**	**32.2481**	**67.1048**	**99.3529**	**0.1012**	**2.1900e-003**	**102.1559**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1188					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0974					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.9944	0.0252	1.9075	3.0300e-003		0.2899	0.2899		0.2899	0.2899	32.2481	61.9890	94.2371	0.0962	2.1900e-003	96.9353
Landscaping	0.0957	0.0363	3.1423	1.7000e-004		0.0173	0.0173		0.0173	0.0173	0.0000	5.1158	5.1158	4.9900e-003	0.0000	5.2206

Total	**2.3063**	**0.0616**	**5.0498**	**3.2000e-003**		**0.3072**	**0.3072**		**0.3071**	**0.3071**	**32.2481**	**67.1048**	**99.3529**	**0.1012**	**2.1900e-003**	**102.1559**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	119.6652	0.6498	0.0163	138.3581
Unmitigated	119.6652	0.6500	0.0163	138.3681

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	19.7866 / 12.4742	119.6652	0.6500	0.0163	138.3681
Total		**119.6652**	**0.6500**	**0.0163**	**138.3681**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	19.7866 / 12.4742	119.6652	0.6498	0.0163	138.3581
Total		**119.6652**	**0.6498**	**0.0163**	**138.3581**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	28.3578	1.6759	0.0000	63.5517
Unmitigated	28.3578	1.6759	0.0000	63.5517

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr			
Apartments Low Rise	139.7	28.3578	1.6759	0.0000	63.5517
Total		**28.3578**	**1.6759**	**0.0000**	**63.5517**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	139.7	28.3578	1.6759	0.0000	63.5517
Total		**28.3578**	**1.6759**	**0.0000**	**63.5517**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 2 - Student Housing Project

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	303.69	Dwelling Unit	3.50	303,688.00	869

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified; Student Housing Project is multiple stories - according to HPI will be 3.5 acres

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified to account for 3.5 acre footprint

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Trips and VMT -

Demolition - Assuming denisty of pavement is 150 lbs/ft3, and pavement is 1 foot deep

Architectural Coating - scaqmd rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	35.00
tblGrading	AcresOfGrading	7.50	0.00
tblLandUse	LandUseSquareFeet	303,690.00	303,688.00
tblLandUse	LotAcreage	18.98	3.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	OperationalYear	2014	2020

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.2774	40.9299	32.3219	0.0678	13.3655	1.8217	15.1871	3.3971	1.7004	4.8285	0.0000	6,722.3668	6,722.3668	0.7514	0.0000	6,738.1462
2018	68.2916	23.6851	28.6279	0.0615	2.6479	1.3045	3.9524	0.7062	1.2484	1.9546	0.0000	5,287.4787	5,287.4787	0.6039	0.0000	5,300.1610
Total	**72.5690**	**64.6150**	**60.9498**	**0.1293**	**16.0134**	**3.1262**	**19.1395**	**4.1033**	**2.9489**	**6.7831**	**0.0000**	**12,009.8454**	**12,009.8454**	**1.3553**	**0.0000**	**12,038.3071**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.2774	40.9299	32.3219	0.0678	5.9022	1.8217	7.7239	1.3430	1.7004	2.7743	0.0000	6,722.3668	6,722.3668	0.7514	0.0000	6,738.1461
2018	68.2916	23.6851	28.6279	0.0615	2.6479	1.3045	3.9524	0.7062	1.2484	1.9546	0.0000	5,287.4787	5,287.4787	0.6039	0.0000	5,300.1610
Total	**72.5690**	**64.6150**	**60.9498**	**0.1293**	**8.5501**	**3.1262**	**11.6763**	**2.0491**	**2.9489**	**4.7289**	**0.0000**	**12,009.8454**	**12,009.8454**	**1.3553**	**0.0000**	**12,038.3071**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**46.61**	**0.00**	**38.99**	**50.06**	**0.00**	**30.28**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695
Energy	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Mobile	5.6984	13.1361	65.2045	0.2202	15.7025	0.2183	15.9208	4.1901	0.2015	4.3916		16,768.0222	16,768.0222	0.5906		16,780.4257
Total	**92.7808**	**16.2900**	**243.3042**	**0.4697**	**15.7025**	**23.6164**	**39.3189**	**4.1901**	**23.5960**	**27.7860**	**2,843.7964**	**23,357.9729**	**26,201.7693**	**9.1361**	**0.2128**	**26,459.6005**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695
Energy	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Mobile	5.6984	13.1361	65.2045	0.2202	15.7025	0.2183	15.9208	4.1901	0.2015	4.3916		16,768.0222	16,768.0222	0.5906		16,780.4257
Total	**92.7808**	**16.2900**	**243.3042**	**0.4697**	**15.7025**	**23.6164**	**39.3189**	**4.1901**	**23.5960**	**27.7860**	**2,843.7964**	**23,357.9729**	**26,201.7693**	**9.1361**	**0.2128**	**26,459.6005**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/3/2017	5	5	
3	Grading	Grading	2/4/2017	2/15/2017	5	8	
4	Trenching	Trenching	2/16/2017	3/1/2017	5	10	
5	Building Construction	Building Construction	3/2/2017	1/17/2018	5	230	
6	Paving	Paving	1/18/2018	2/12/2018	5	18	
7	Architectural Coating	Architectural Coating	2/13/2018	4/2/2018	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 614,968; Residential Outdoor: 204,989; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	255	0.40
Site Preparation	Scrapers	1	8.00	361	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Excavators	0	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40

Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Trenching	Plate Compactors	2	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	2	8.00	80	0.50
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	1,131.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	219.00	32.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	44.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.2349	0.0000	12.2349	1.8525	0.0000	1.8525			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022		2,457.4682	2,457.4682	0.6235		2,470.5620
Total	**2.7216**	**26.5855**	**20.8712**	**0.0245**	**12.2349**	**1.6062**	**13.8411**	**1.8525**	**1.5022**	**3.3547**		**2,457.4682**	**2,457.4682**	**0.6235**		**2,470.5620**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.9747	14.2915	10.7997	0.0416	0.9853	0.2145	1.1997	0.2698	0.1973	0.4671		4,123.1038	4,123.1038	0.0292		4,123.7175
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0411	0.0529	0.6510	1.7600e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		141.7948	141.7948	6.4400e-003		141.9300
Total	**1.0158**	**14.3444**	**11.4507**	**0.0433**	**1.1306**	**0.2155**	**1.3460**	**0.3083**	**0.1982**	**0.5065**		**4,264.8986**	**4,264.8986**	**0.0357**		**4,265.6474**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					4.7716	0.0000	4.7716	0.7225	0.0000	0.7225			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022	0.0000	2,457.4682	2,457.4682	0.6235		2,470.5620
Total	**2.7216**	**26.5855**	**20.8712**	**0.0245**	**4.7716**	**1.6062**	**6.3778**	**0.7225**	**1.5022**	**2.2247**	**0.0000**	**2,457.4682**	**2,457.4682**	**0.6235**		**2,470.5620**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.9747	14.2915	10.7997	0.0416	0.9853	0.2145	1.1997	0.2698	0.1973	0.4671		4,123.1038	4,123.1038	0.0292		4,123.7175
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0411	0.0529	0.6510	1.7600e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		141.7948	141.7948	6.4400e-003		141.9300
Total	**1.0158**	**14.3444**	**11.4507**	**0.0433**	**1.1306**	**0.2155**	**1.3460**	**0.3083**	**0.1982**	**0.5065**		**4,264.8986**	**4,264.8986**	**0.0357**		**4,265.6474**

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.5289	28.6230	17.1310	0.0238		1.3967	1.3967		1.2850	1.2850		2,439.4360	2,439.4360	0.7474		2,455.1322

Total	**2.5289**	**28.6230**	**17.1310**	**0.0238**	**0.0000**	**1.3967**	**1.3967**	**0.0000**	**1.2850**	**1.2850**		**2,439.4360**	**2,439.4360**	**0.7474**		**2,455.1322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0253	0.0326	0.4006	1.0900e-003	0.0894	6.1000e-004	0.0900	0.0237	5.6000e-004	0.0243		87.2583	87.2583	3.9600e-003		87.3415
Total	**0.0253**	**0.0326**	**0.4006**	**1.0900e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.6000e-004**	**0.0243**		**87.2583**	**87.2583**	**3.9600e-003**		**87.3415**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.5289	28.6230	17.1310	0.0238		1.3967	1.3967		1.2850	1.2850	0.0000	2,439.4360	2,439.4360	0.7474		2,455.1322
Total	**2.5289**	**28.6230**	**17.1310**	**0.0238**	**0.0000**	**1.3967**	**1.3967**	**0.0000**	**1.2850**	**1.2850**	**0.0000**	**2,439.4360**	**2,439.4360**	**0.7474**		**2,455.1322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0253	0.0326	0.4006	1.0900e-003	0.0894	6.1000e-004	0.0900	0.0237	5.6000e-004	0.0243		87.2583	87.2583	3.9600e-003		87.3415
Total	**0.0253**	**0.0326**	**0.4006**	**1.0900e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.6000e-004**	**0.0243**		**87.2583**	**87.2583**	**3.9600e-003**		**87.3415**

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.6973	28.1608	18.9679	0.0206		1.5550	1.5550		1.4306	1.4306		2,104.5737	2,104.5737	0.6448		2,118.1153
Total	**2.6973**	**28.1608**	**18.9679**	**0.0206**	**6.5523**	**1.5550**	**8.1074**	**3.3675**	**1.4306**	**4.7981**		**2,104.5737**	**2,104.5737**	**0.6448**		**2,118.1153**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0316	0.0407	0.5007	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		109.0729	109.0729	4.9500e-003		109.1769
Total	**0.0316**	**0.0407**	**0.5007**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**109.0729**	**109.0729**	**4.9500e-003**		**109.1769**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	2.6973	28.1608	18.9679	0.0206		1.5550	1.5550		1.4306	1.4306	0.0000	2,104.5737	2,104.5737	0.6448		2,118.1153
Total	**2.6973**	**28.1608**	**18.9679**	**0.0206**	**2.5554**	**1.5550**	**4.1104**	**1.3133**	**1.4306**	**2.7440**	**0.0000**	**2,104.5737**	**2,104.5737**	**0.6448**		**2,118.1153**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0316	0.0407	0.5007	1.3600e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		109.0729	109.0729	4.9500e-003		109.1769
Total	**0.0316**	**0.0407**	**0.5007**	**1.3600e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**109.0729**	**109.0729**	**4.9500e-003**		**109.1769**

3.5 Trenching - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4715	12.9699	8.4138	0.0110		0.9866	0.9866		0.9093	0.9093		1,095.5131	1,095.5131	0.3217		1,102.2686
Total	**1.4715**	**12.9699**	**8.4138**	**0.0110**		**0.9866**	**0.9866**		**0.9093**	**0.9093**		**1,095.5131**	**1,095.5131**	**0.3217**		**1,102.2686**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0411	0.0529	0.6510	1.7600e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		141.7948	141.7948	6.4400e-003		141.9300
Total	**0.0411**	**0.0529**	**0.6510**	**1.7600e-003**	**0.1453**	**9.9000e-004**	**0.1463**	**0.0385**	**9.2000e-004**	**0.0395**		**141.7948**	**141.7948**	**6.4400e-003**		**141.9300**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4715	12.9699	8.4138	0.0110		0.9866	0.9866		0.9093	0.9093	0.0000	1,095.5131	1,095.5131	0.3217		1,102.2686
Total	**1.4715**	**12.9699**	**8.4138**	**0.0110**		**0.9866**	**0.9866**		**0.9093**	**0.9093**	**0.0000**	**1,095.5131**	**1,095.5131**	**0.3217**		**1,102.2686**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0411	0.0529	0.6510	1.7600e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		141.7948	141.7948	6.4400e-003		141.9300
Total	**0.0411**	**0.0529**	**0.6510**	**1.7600e-003**	**0.1453**	**9.9000e-004**	**0.1463**	**0.0385**	**9.2000e-004**	**0.0395**		**141.7948**	**141.7948**	**6.4400e-003**		**141.9300**

3.6 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3275	22.8585	16.2492	0.0249		1.4621	1.4621		1.3998	1.3998		2,334.8503	2,334.8503	0.5189		2,345.7479

Total	**3.3275**	**22.8585**	**16.2492**	**0.0249**		**1.4621**	**1.4621**		**1.3998**	**1.3998**		**2,334.8503**	**2,334.8503**	**0.5189**		**2,345.7479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2581	2.5184	3.0771	6.9100e-003	0.2000	0.0392	0.2392	0.0570	0.0360	0.0930		682.6535	682.6535	4.7700e-003		682.7537
Worker	0.6918	0.8913	10.9663	0.0297	2.4479	0.0167	2.4646	0.6492	0.0155	0.6646		2,388.6968	2,388.6968	0.1084		2,390.9739
Total	**0.9499**	**3.4097**	**14.0433**	**0.0366**	**2.6479**	**0.0559**	**2.7038**	**0.7062**	**0.0515**	**0.7576**		**3,071.3502**	**3,071.3502**	**0.1132**		**3,073.7276**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3275	22.8585	16.2492	0.0249		1.4621	1.4621		1.3998	1.3998	0.0000	2,334.8503	2,334.8503	0.5189		2,345.7479
Total	**3.3275**	**22.8585**	**16.2492**	**0.0249**		**1.4621**	**1.4621**		**1.3998**	**1.3998**	**0.0000**	**2,334.8503**	**2,334.8503**	**0.5189**		**2,345.7479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2581	2.5184	3.0771	6.9100e-003	0.2000	0.0392	0.2392	0.0570	0.0360	0.0930		682.6535	682.6535	4.7700e-003		682.7537
Worker	0.6918	0.8913	10.9663	0.0297	2.4479	0.0167	2.4646	0.6492	0.0155	0.6646		2,388.6968	2,388.6968	0.1084		2,390.9739
Total	**0.9499**	**3.4097**	**14.0433**	**0.0366**	**2.6479**	**0.0559**	**2.7038**	**0.7062**	**0.0515**	**0.7576**		**3,071.3502**	**3,071.3502**	**0.1132**		**3,073.7276**

3.6 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9004	20.5600	15.6637	0.0249		1.2511	1.2511		1.1992	1.1992		2,317.2089	2,317.2089	0.4980		2,327.6664
Total	**2.9004**	**20.5600**	**15.6637**	**0.0249**		**1.2511**	**1.2511**		**1.1992**	**1.1992**		**2,317.2089**	**2,317.2089**	**0.4980**		**2,327.6664**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2417	2.3117	2.9210	6.9000e-003	0.2000	0.0369	0.2369	0.0570	0.0339	0.0909		671.0637	671.0637	4.7500e-003		671.1633
Worker	0.6314	0.8133	10.0432	0.0297	2.4479	0.0165	2.4644	0.6492	0.0153	0.6645		2,299.2062	2,299.2062	0.1012		2,301.3312
Total	**0.8731**	**3.1251**	**12.9641**	**0.0366**	**2.6479**	**0.0534**	**2.7013**	**0.7062**	**0.0492**	**0.7554**		**2,970.2698**	**2,970.2698**	**0.1059**		**2,972.4946**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9004	20.5600	15.6637	0.0249		1.2511	1.2511		1.1992	1.1992	0.0000	2,317.2089	2,317.2089	0.4980		2,327.6664
Total	**2.9004**	**20.5600**	**15.6637**	**0.0249**		**1.2511**	**1.2511**		**1.1992**	**1.1992**	**0.0000**	**2,317.2089**	**2,317.2089**	**0.4980**		**2,327.6664**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2417	2.3117	2.9210	6.9000e-003	0.2000	0.0369	0.2369	0.0570	0.0339	0.0909		671.0637	671.0637	4.7500e-003		671.1633
Worker	0.6314	0.8133	10.0432	0.0297	2.4479	0.0165	2.4644	0.6492	0.0153	0.6645		2,299.2062	2,299.2062	0.1012		2,301.3312
Total	**0.8731**	**3.1251**	**12.9641**	**0.0366**	**2.6479**	**0.0534**	**2.7013**	**0.7062**	**0.0492**	**0.7554**		**2,970.2698**	**2,970.2698**	**0.1059**		**2,972.4946**

3.7 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1306	11.5793	9.8923	0.0150		0.6701	0.6701		0.6177	0.6177		1,485.9270	1,485.9270	0.4521		1,495.4213
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1306**	**11.5793**	**9.8923**	**0.0150**		**0.6701**	**0.6701**		**0.6177**	**0.6177**		**1,485.9270**	**1,485.9270**	**0.4521**		**1,495.4213**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0375	0.0483	0.5962	1.7600e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		136.4826	136.4826	6.0100e-003		136.6087
Total	**0.0375**	**0.0483**	**0.5962**	**1.7600e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**136.4826**	**136.4826**	**6.0100e-003**		**136.6087**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1306	11.5793	9.8923	0.0150		0.6701	0.6701		0.6177	0.6177	0.0000	1,485.9270	1,485.9270	0.4521		1,495.4213
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1306**	**11.5793**	**9.8923**	**0.0150**		**0.6701**	**0.6701**		**0.6177**	**0.6177**	**0.0000**	**1,485.9270**	**1,485.9270**	**0.4521**		**1,495.4213**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0375	0.0483	0.5962	1.7600e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		136.4826	136.4826	6.0100e-003		136.6087
Total	**0.0375**	**0.0483**	**0.5962**	**1.7600e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**136.4826**	**136.4826**	**6.0100e-003**		**136.6087**

3.8 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	67.8661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	**68.1647**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**		**281.4485**	**281.4485**	**0.0267**		**282.0102**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1269	0.1634	2.0178	5.9700e-003	0.4918	3.3200e-003	0.4951	0.1304	3.0700e-003	0.1335		461.9410	461.9410	0.0203		462.3679
Total	**0.1269**	**0.1634**	**2.0178**	**5.9700e-003**	**0.4918**	**3.3200e-003**	**0.4951**	**0.1304**	**3.0700e-003**	**0.1335**		**461.9410**	**461.9410**	**0.0203**		**462.3679**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	67.8661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	**68.1647**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**	**0.0000**	**281.4485**	**281.4485**	**0.0267**		**282.0102**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1269	0.1634	2.0178	5.9700e-003	0.4918	3.3200e-003	0.4951	0.1304	3.0700e-003	0.1335		461.9410	461.9410	0.0203		462.3679
Total	**0.1269**	**0.1634**	**2.0178**	**5.9700e-003**	**0.4918**	**3.3200e-003**	**0.4951**	**0.1304**	**3.0700e-003**	**0.1335**		**461.9410**	**461.9410**	**0.0203**		**462.3679**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6984	13.1361	65.2045	0.2202	15.7025	0.2183	15.9208	4.1901	0.2015	4.3916		16,768.0222	16,768.0222	0.5906		16,780.4257
Unmitigated	5.6984	13.1361	65.2045	0.2202	15.7025	0.2183	15.9208	4.1901	0.2015	4.3916		16,768.0222	16,768.0222	0.5906		16,780.4257

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,001.32	2,174.42	1843.40	6,846,217	6,846,217
Total	2,001.32	2,174.42	1,843.40	6,846,217	6,846,217

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.508857	0.056420	0.193204	0.150829	0.041936	0.005921	0.015893	0.015805	0.001454	0.002159	0.004747	0.000498	0.002277

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
NaturalGas Unmitigated	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	9165.91	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Total		**0.0989**	**0.8447**	**0.3595**	**5.3900e-003**		**0.0683**	**0.0683**		**0.0683**	**0.0683**		**1,078.3428**	**1,078.3428**	**0.0207**	**0.0198**	**1,084.9054**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	9.16591	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Total		**0.0989**	**0.8447**	**0.3595**	**5.3900e-003**		**0.0683**	**0.0683**		**0.0683**	**0.0683**		**1,078.3428**	**1,078.3428**	**0.0207**	**0.0198**	**1,084.9054**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695
Unmitigated	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	79.5543	2.0185	152.6021	0.2428		23.1916	23.1916		23.1880	23.1880	2,843.7964	5,466.4941	8,310.2905	8.4808	0.1931	8,548.2318
Landscaping	0.7655	0.2907	25.1381	1.3200e-003		0.1382	0.1382		0.1382	0.1382		45.1139	45.1139	0.0440		46.0377
Total	**86.9836**	**2.3092**	**177.7402**	**0.2441**		**23.3298**	**23.3298**		**23.3262**	**23.3262**	**2,843.7964**	**5,511.6080**	**8,355.4044**	**8.5248**	**0.1931**	**8,594.2695**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	79.5543	2.0185	152.6021	0.2428		23.1916	23.1916		23.1880	23.1880	2,843.7964	5,466.4941	8,310.2905	8.4808	0.1931	8,548.2318
Landscaping	0.7655	0.2907	25.1381	1.3200e-003		0.1382	0.1382		0.1382	0.1382		45.1139	45.1139	0.0440		46.0377
Total	**86.9836**	**2.3092**	**177.7402**	**0.2441**		**23.3298**	**23.3298**		**23.3262**	**23.3262**	**2,843.7964**	**5,511.6080**	**8,355.4044**	**8.5248**	**0.1931**	**8,594.2695**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 2 - Student Housing Project

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	303.69	Dwelling Unit	3.50	303,688.00	869

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified; Student Housing Project is multiple stories - according to HPI will be 3.5 acres

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified to account for 3.5 acre footprint

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Trips and VMT -

Demolition - Assuming denisty of pavement is 150 lbs/ft3, and pavement is 1 foot deep

Architectural Coating - scaqmd rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	35.00
tblGrading	AcresOfGrading	7.50	0.00
tblLandUse	LandUseSquareFeet	303,690.00	303,688.00
tblLandUse	LotAcreage	18.98	3.50
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	OperationalYear	2014	2020

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.3399	41.4239	33.9546	0.0676	13.3655	1.8222	15.1876	3.3971	1.7009	4.8285	0.0000	6,705.0214	6,705.0214	0.7514	0.0000	6,720.8008
2018	68.2979	23.8181	28.6348	0.0599	2.6479	1.3049	3.9528	0.7062	1.2488	1.9549	0.0000	5,159.9408	5,159.9408	0.6041	0.0000	5,172.6263
Total	**72.6378**	**65.2420**	**62.5895**	**0.1275**	**16.0134**	**3.1270**	**19.1404**	**4.1033**	**2.9497**	**6.7834**	**0.0000**	**11,864.9621**	**11,864.9621**	**1.3555**	**0.0000**	**11,893.4271**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.3399	41.4239	33.9546	0.0676	5.9022	1.8222	7.7243	1.3430	1.7009	2.7743	0.0000	6,705.0214	6,705.0214	0.7514	0.0000	6,720.8008
2018	68.2979	23.8181	28.6348	0.0599	2.6479	1.3049	3.9528	0.7062	1.2488	1.9549	0.0000	5,159.9408	5,159.9408	0.6041	0.0000	5,172.6263
Total	**72.6378**	**65.2420**	**62.5895**	**0.1275**	**8.5501**	**3.1270**	**11.6771**	**2.0491**	**2.9497**	**4.7292**	**0.0000**	**11,864.9621**	**11,864.9621**	**1.3555**	**0.0000**	**11,893.4271**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**46.61**	**0.00**	**38.99**	**50.06**	**0.00**	**30.28**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695
Energy	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Mobile	5.9903	13.8709	64.4048	0.2103	15.7025	0.2189	15.9214	4.1901	0.2021	4.3921		16,044.1493	16,044.1493	0.5910		16,056.5605
Total	**93.0727**	**17.0248**	**242.5044**	**0.4598**	**15.7025**	**23.6171**	**39.3195**	**4.1901**	**23.5966**	**27.7866**	**2,843.7964**	**22,634.1000**	**25,477.8964**	**9.1365**	**0.2128**	**25,735.7354**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695
Energy	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Mobile	5.9903	13.8709	64.4048	0.2103	15.7025	0.2189	15.9214	4.1901	0.2021	4.3921		16,044.1493	16,044.1493	0.5910		16,056.5605
Total	**93.0727**	**17.0248**	**242.5044**	**0.4598**	**15.7025**	**23.6171**	**39.3195**	**4.1901**	**23.5966**	**27.7866**	**2,843.7964**	**22,634.1000**	**25,477.8964**	**9.1365**	**0.2128**	**25,735.7354**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	2/3/2017	5	5	
3	Grading	Grading	2/4/2017	2/15/2017	5	8	
4	Trenching	Trenching	2/16/2017	3/1/2017	5	10	
5	Building Construction	Building Construction	3/2/2017	1/17/2018	5	230	
6	Paving	Paving	1/18/2018	2/12/2018	5	18	
7	Architectural Coating	Architectural Coating	2/13/2018	4/2/2018	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 614,968; Residential Outdoor: 204,989; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	0	8.00	162	0.38
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	0	8.00	255	0.40
Site Preparation	Scrapers	1	8.00	361	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Excavators	0	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40

Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Trenching	Plate Compactors	2	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	2	8.00	80	0.50
Building Construction	Cranes	1	8.00	226	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	1	8.00	130	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	1,131.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	219.00	32.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	44.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.2349	0.0000	12.2349	1.8525	0.0000	1.8525			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022		2,457.4682	2,457.4682	0.6235		2,470.5620
Total	**2.7216**	**26.5855**	**20.8712**	**0.0245**	**12.2349**	**1.6062**	**13.8411**	**1.8525**	**1.5022**	**3.3547**		**2,457.4682**	**2,457.4682**	**0.6235**		**2,470.5620**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0379	14.7803	12.4720	0.0415	0.9853	0.2150	1.2002	0.2698	0.1977	0.4675		4,113.2670	4,113.2670	0.0296		4,113.8893
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0432	0.0582	0.6114	1.6700e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		134.2862	134.2862	6.4400e-003		134.4213
Total	**1.0811**	**14.8385**	**13.0834**	**0.0432**	**1.1306**	**0.2160**	**1.3465**	**0.3083**	**0.1986**	**0.5070**		**4,247.5532**	**4,247.5532**	**0.0361**		**4,248.3106**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					4.7716	0.0000	4.7716	0.7225	0.0000	0.7225			0.0000			0.0000
Off-Road	2.7216	26.5855	20.8712	0.0245		1.6062	1.6062		1.5022	1.5022	0.0000	2,457.4682	2,457.4682	0.6235		2,470.5620
Total	**2.7216**	**26.5855**	**20.8712**	**0.0245**	**4.7716**	**1.6062**	**6.3778**	**0.7225**	**1.5022**	**2.2247**	**0.0000**	**2,457.4682**	**2,457.4682**	**0.6235**		**2,470.5620**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.0379	14.7803	12.4720	0.0415	0.9853	0.2150	1.2002	0.2698	0.1977	0.4675		4,113.2670	4,113.2670	0.0296		4,113.8893
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0432	0.0582	0.6114	1.6700e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		134.2862	134.2862	6.4400e-003		134.4213
Total	**1.0811**	**14.8385**	**13.0834**	**0.0432**	**1.1306**	**0.2160**	**1.3465**	**0.3083**	**0.1986**	**0.5070**		**4,247.5532**	**4,247.5532**	**0.0361**		**4,248.3106**

3.3 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.5289	28.6230	17.1310	0.0238		1.3967	1.3967		1.2850	1.2850		2,439.4360	2,439.4360	0.7474		2,455.1322

Total	**2.5289**	**28.6230**	**17.1310**	**0.0238**	**0.0000**	**1.3967**	**1.3967**	**0.0000**	**1.2850**	**1.2850**		**2,439.4360**	**2,439.4360**	**0.7474**		**2,455.1322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0266	0.0358	0.3762	1.0300e-003	0.0894	6.1000e-004	0.0900	0.0237	5.6000e-004	0.0243		82.6376	82.6376	3.9600e-003		82.7208
Total	**0.0266**	**0.0358**	**0.3762**	**1.0300e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.6000e-004**	**0.0243**		**82.6376**	**82.6376**	**3.9600e-003**		**82.7208**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.5289	28.6230	17.1310	0.0238		1.3967	1.3967		1.2850	1.2850	0.0000	2,439.4360	2,439.4360	0.7474		2,455.1322
Total	**2.5289**	**28.6230**	**17.1310**	**0.0238**	**0.0000**	**1.3967**	**1.3967**	**0.0000**	**1.2850**	**1.2850**	**0.0000**	**2,439.4360**	**2,439.4360**	**0.7474**		**2,455.1322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0266	0.0358	0.3762	1.0300e-003	0.0894	6.1000e-004	0.0900	0.0237	5.6000e-004	0.0243		82.6376	82.6376	3.9600e-003		82.7208
Total	**0.0266**	**0.0358**	**0.3762**	**1.0300e-003**	**0.0894**	**6.1000e-004**	**0.0900**	**0.0237**	**5.6000e-004**	**0.0243**		**82.6376**	**82.6376**	**3.9600e-003**		**82.7208**

3.4 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.6973	28.1608	18.9679	0.0206		1.5550	1.5550		1.4306	1.4306		2,104.5737	2,104.5737	0.6448		2,118.1153
Total	**2.6973**	**28.1608**	**18.9679**	**0.0206**	**6.5523**	**1.5550**	**8.1074**	**3.3675**	**1.4306**	**4.7981**		**2,104.5737**	**2,104.5737**	**0.6448**		**2,118.1153**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0448	0.4703	1.2800e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		103.2970	103.2970	4.9500e-003		103.4010
Total	**0.0332**	**0.0448**	**0.4703**	**1.2800e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**103.2970**	**103.2970**	**4.9500e-003**		**103.4010**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	2.6973	28.1608	18.9679	0.0206		1.5550	1.5550		1.4306	1.4306	0.0000	2,104.5737	2,104.5737	0.6448		2,118.1153
Total	**2.6973**	**28.1608**	**18.9679**	**0.0206**	**2.5554**	**1.5550**	**4.1104**	**1.3133**	**1.4306**	**2.7440**	**0.0000**	**2,104.5737**	**2,104.5737**	**0.6448**		**2,118.1153**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0332	0.0448	0.4703	1.2800e-003	0.1118	7.6000e-004	0.1125	0.0296	7.1000e-004	0.0304		103.2970	103.2970	4.9500e-003		103.4010
Total	**0.0332**	**0.0448**	**0.4703**	**1.2800e-003**	**0.1118**	**7.6000e-004**	**0.1125**	**0.0296**	**7.1000e-004**	**0.0304**		**103.2970**	**103.2970**	**4.9500e-003**		**103.4010**

3.5 Trenching - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4715	12.9699	8.4138	0.0110		0.9866	0.9866		0.9093	0.9093		1,095.5131	1,095.5131	0.3217		1,102.2686
Total	**1.4715**	**12.9699**	**8.4138**	**0.0110**		**0.9866**	**0.9866**		**0.9093**	**0.9093**		**1,095.5131**	**1,095.5131**	**0.3217**		**1,102.2686**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0432	0.0582	0.6114	1.6700e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		134.2862	134.2862	6.4400e-003		134.4213
Total	**0.0432**	**0.0582**	**0.6114**	**1.6700e-003**	**0.1453**	**9.9000e-004**	**0.1463**	**0.0385**	**9.2000e-004**	**0.0395**		**134.2862**	**134.2862**	**6.4400e-003**		**134.4213**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4715	12.9699	8.4138	0.0110		0.9866	0.9866		0.9093	0.9093	0.0000	1,095.5131	1,095.5131	0.3217		1,102.2686
Total	**1.4715**	**12.9699**	**8.4138**	**0.0110**		**0.9866**	**0.9866**		**0.9093**	**0.9093**	**0.0000**	**1,095.5131**	**1,095.5131**	**0.3217**		**1,102.2686**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0432	0.0582	0.6114	1.6700e-003	0.1453	9.9000e-004	0.1463	0.0385	9.2000e-004	0.0395		134.2862	134.2862	6.4400e-003		134.4213
Total	**0.0432**	**0.0582**	**0.6114**	**1.6700e-003**	**0.1453**	**9.9000e-004**	**0.1463**	**0.0385**	**9.2000e-004**	**0.0395**		**134.2862**	**134.2862**	**6.4400e-003**		**134.4213**

3.6 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3275	22.8585	16.2492	0.0249		1.4621	1.4621		1.3998	1.3998		2,334.8503	2,334.8503	0.5189		2,345.7479

Total	**3.3275**	**22.8585**	**16.2492**	**0.0249**		**1.4621**	**1.4621**		**1.3998**	**1.3998**		**2,334.8503**	**2,334.8503**	**0.5189**		**2,345.7479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2853	2.5762	3.7294	6.8700e-003	0.2000	0.0396	0.2396	0.0570	0.0364	0.0933		676.8829	676.8829	4.9200e-003		676.9863
Worker	0.7271	0.9802	10.2993	0.0281	2.4479	0.0167	2.4646	0.6492	0.0155	0.6646		2,262.2051	2,262.2051	0.1084		2,264.4822
Total	**1.0124**	**3.5564**	**14.0287**	**0.0350**	**2.6479**	**0.0563**	**2.7042**	**0.7062**	**0.0518**	**0.7580**		**2,939.0880**	**2,939.0880**	**0.1134**		**2,941.4685**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3275	22.8585	16.2492	0.0249		1.4621	1.4621		1.3998	1.3998	0.0000	2,334.8503	2,334.8503	0.5189		2,345.7479
Total	**3.3275**	**22.8585**	**16.2492**	**0.0249**		**1.4621**	**1.4621**		**1.3998**	**1.3998**	**0.0000**	**2,334.8503**	**2,334.8503**	**0.5189**		**2,345.7479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2853	2.5762	3.7294	6.8700e-003	0.2000	0.0396	0.2396	0.0570	0.0364	0.0933		676.8829	676.8829	4.9200e-003		676.9863
Worker	0.7271	0.9802	10.2993	0.0281	2.4479	0.0167	2.4646	0.6492	0.0155	0.6646		2,262.2051	2,262.2051	0.1084		2,264.4822
Total	**1.0124**	**3.5564**	**14.0287**	**0.0350**	**2.6479**	**0.0563**	**2.7042**	**0.7062**	**0.0518**	**0.7580**		**2,939.0880**	**2,939.0880**	**0.1134**		**2,941.4685**

3.6 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9004	20.5600	15.6637	0.0249		1.2511	1.2511		1.1992	1.1992		2,317.2089	2,317.2089	0.4980		2,327.6664
Total	**2.9004**	**20.5600**	**15.6637**	**0.0249**		**1.2511**	**1.2511**		**1.1992**	**1.1992**		**2,317.2089**	**2,317.2089**	**0.4980**		**2,327.6664**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2660	2.3637	3.5684	6.8500e-003	0.2000	0.0373	0.2373	0.0570	0.0343	0.0912		665.3779	665.3779	4.9000e-003		665.4808
Worker	0.6627	0.8944	9.4027	0.0281	2.4479	0.0165	2.4644	0.6492	0.0153	0.6645		2,177.3540	2,177.3540	0.1012		2,179.4791
Total	**0.9288**	**3.2581**	**12.9711**	**0.0350**	**2.6479**	**0.0538**	**2.7017**	**0.7062**	**0.0496**	**0.7557**		**2,842.7319**	**2,842.7319**	**0.1061**		**2,844.9599**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9004	20.5600	15.6637	0.0249		1.2511	1.2511		1.1992	1.1992	0.0000	2,317.2089	2,317.2089	0.4980		2,327.6664
Total	**2.9004**	**20.5600**	**15.6637**	**0.0249**		**1.2511**	**1.2511**		**1.1992**	**1.1992**	**0.0000**	**2,317.2089**	**2,317.2089**	**0.4980**		**2,327.6664**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2660	2.3637	3.5684	6.8500e-003	0.2000	0.0373	0.2373	0.0570	0.0343	0.0912		665.3779	665.3779	4.9000e-003		665.4808
Worker	0.6627	0.8944	9.4027	0.0281	2.4479	0.0165	2.4644	0.6492	0.0153	0.6645		2,177.3540	2,177.3540	0.1012		2,179.4791
Total	**0.9288**	**3.2581**	**12.9711**	**0.0350**	**2.6479**	**0.0538**	**2.7017**	**0.7062**	**0.0496**	**0.7557**		**2,842.7319**	**2,842.7319**	**0.1061**		**2,844.9599**

3.7 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1306	11.5793	9.8923	0.0150		0.6701	0.6701		0.6177	0.6177		1,485.9270	1,485.9270	0.4521		1,495.4213
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1306**	**11.5793**	**9.8923**	**0.0150**		**0.6701**	**0.6701**		**0.6177**	**0.6177**		**1,485.9270**	**1,485.9270**	**0.4521**		**1,495.4213**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0531	0.5582	1.6700e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		129.2493	129.2493	6.0100e-003		129.3755
Total	**0.0393**	**0.0531**	**0.5582**	**1.6700e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**129.2493**	**129.2493**	**6.0100e-003**		**129.3755**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1306	11.5793	9.8923	0.0150		0.6701	0.6701		0.6177	0.6177	0.0000	1,485.9270	1,485.9270	0.4521		1,495.4213
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1306**	**11.5793**	**9.8923**	**0.0150**		**0.6701**	**0.6701**		**0.6177**	**0.6177**	**0.0000**	**1,485.9270**	**1,485.9270**	**0.4521**		**1,495.4213**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0531	0.5582	1.6700e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		129.2493	129.2493	6.0100e-003		129.3755
Total	**0.0393**	**0.0531**	**0.5582**	**1.6700e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**129.2493**	**129.2493**	**6.0100e-003**		**129.3755**

3.8 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	67.8661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	**68.1647**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**		**281.4485**	**281.4485**	**0.0267**		**282.0102**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1332	0.1797	1.8891	5.6500e-003	0.4918	3.3200e-003	0.4951	0.1304	3.0700e-003	0.1335		437.4593	437.4593	0.0203		437.8862
Total	**0.1332**	**0.1797**	**1.8891**	**5.6500e-003**	**0.4918**	**3.3200e-003**	**0.4951**	**0.1304**	**3.0700e-003**	**0.1335**		**437.4593**	**437.4593**	**0.0203**		**437.8862**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	67.8661					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	**68.1647**	**2.0058**	**1.8542**	**2.9700e-003**		**0.1506**	**0.1506**		**0.1506**	**0.1506**	**0.0000**	**281.4485**	**281.4485**	**0.0267**		**282.0102**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1332	0.1797	1.8891	5.6500e-003	0.4918	3.3200e-003	0.4951	0.1304	3.0700e-003	0.1335		437.4593	437.4593	0.0203		437.8862
Total	**0.1332**	**0.1797**	**1.8891**	**5.6500e-003**	**0.4918**	**3.3200e-003**	**0.4951**	**0.1304**	**3.0700e-003**	**0.1335**		**437.4593**	**437.4593**	**0.0203**		**437.8862**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.9903	13.8709	64.4048	0.2103	15.7025	0.2189	15.9214	4.1901	0.2021	4.3921		16,044.1493	16,044.1493	0.5910		16,056.5605
Unmitigated	5.9903	13.8709	64.4048	0.2103	15.7025	0.2189	15.9214	4.1901	0.2021	4.3921		16,044.1493	16,044.1493	0.5910		16,056.5605

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,001.32	2,174.42	1843.40	6,846,217	6,846,217
Total	2,001.32	2,174.42	1,843.40	6,846,217	6,846,217

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.508857	0.056420	0.193204	0.150829	0.041936	0.005921	0.015893	0.015805	0.001454	0.002159	0.004747	0.000498	0.002277

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
NaturalGas Unmitigated	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	9165.91	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Total		**0.0989**	**0.8447**	**0.3595**	**5.3900e-003**		**0.0683**	**0.0683**		**0.0683**	**0.0683**		**1,078.3428**	**1,078.3428**	**0.0207**	**0.0198**	**1,084.9054**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	9.16591	0.0989	0.8447	0.3595	5.3900e-003		0.0683	0.0683		0.0683	0.0683		1,078.3428	1,078.3428	0.0207	0.0198	1,084.9054
Total		**0.0989**	**0.8447**	**0.3595**	**5.3900e-003**		**0.0683**	**0.0683**		**0.0683**	**0.0683**		**1,078.3428**	**1,078.3428**	**0.0207**	**0.0198**	**1,084.9054**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695
Unmitigated	86.9836	2.3092	177.7402	0.2441		23.3298	23.3298		23.3262	23.3262	2,843.7964	5,511.6080	8,355.4044	8.5248	0.1931	8,594.2695

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	79.5543	2.0185	152.6021	0.2428		23.1916	23.1916		23.1880	23.1880	2,843.7964	5,466.4941	8,310.2905	8.4808	0.1931	8,548.2318
Landscaping	0.7655	0.2907	25.1381	1.3200e-003		0.1382	0.1382		0.1382	0.1382		45.1139	45.1139	0.0440		46.0377
Total	**86.9836**	**2.3092**	**177.7402**	**0.2441**		**23.3298**	**23.3298**		**23.3262**	**23.3262**	**2,843.7964**	**5,511.6080**	**8,355.4044**	**8.5248**	**0.1931**	**8,594.2695**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.0130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	79.5543	2.0185	152.6021	0.2428		23.1916	23.1916		23.1880	23.1880	2,843.7964	5,466.4941	8,310.2905	8.4808	0.1931	8,548.2318
Landscaping	0.7655	0.2907	25.1381	1.3200e-003		0.1382	0.1382		0.1382	0.1382		45.1139	45.1139	0.0440		46.0377
Total	**86.9836**	**2.3092**	**177.7402**	**0.2441**		**23.3298**	**23.3298**		**23.3262**	**23.3262**	**2,843.7964**	**5,511.6080**	**8,355.4044**	**8.5248**	**0.1931**	**8,594.2695**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 2 - Student Union

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	189.81	1000sqft	4.36	189,806.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Trips and VMT - modified

Demolition - Assuming density of pavement is 150 lbs/ft3 and pavement is 1 ft deep

Architectural Coating - modified per SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	18.00	30.00
tblLandUse	LandUseSquareFeet	189,810.00	189,806.00
tblProjectCharacteristics	OperationalYear	2014	2020

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.2502	2.3111	2.0698	3.4500e-003	0.2404	0.1235	0.3638	0.0711	0.1154	0.1865	0.0000	297.7261	297.7261	0.0555	0.0000	298.8917
2019	0.7633	1.7950	1.8137	3.3700e-003	0.0800	0.1018	0.1817	0.0215	0.0956	0.1171	0.0000	278.3206	278.3206	0.0478	0.0000	279.3237
Total	**1.0135**	**4.1062**	**3.8835**	**6.8200e-003**	**0.3204**	**0.2252**	**0.5456**	**0.0926**	**0.2110**	**0.3036**	**0.0000**	**576.0467**	**576.0467**	**0.1033**	**0.0000**	**578.2154**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Year	tons/yr										MT/yr					
2018	0.2502	2.3111	2.0698	3.4500e-003	0.1311	0.1235	0.2546	0.0378	0.1154	0.1532	0.0000	297.7259	297.7259	0.0555	0.0000	298.8915
2019	0.7633	1.7950	1.8137	3.3700e-003	0.0800	0.1018	0.1817	0.0215	0.0956	0.1171	0.0000	278.3203	278.3203	0.0478	0.0000	279.3235
Total	**1.0135**	**4.1061**	**3.8835**	**6.8200e-003**	**0.2111**	**0.2252**	**0.4363**	**0.0593**	**0.2110**	**0.2703**	**0.0000**	**576.0462**	**576.0462**	**0.1033**	**0.0000**	**578.2149**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**34.10**	**0.00**	**20.02**	**35.96**	**0.00**	**10.97**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9060	2.0000e-005	2.4400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7100e-003	4.7100e-003	1.0000e-005	0.0000	4.9800e-003
Energy	0.0162	0.1476	0.1240	8.9000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	923.7848	923.7848	0.0382	0.0102	927.7490
Mobile	1.8577	4.3357	20.1175	0.0642	4.6382	0.0663	4.7045	1.2394	0.0612	1.3007	0.0000	4,439.9298	4,439.9298	0.1625	0.0000	4,443.3426
Waste						0.0000	0.0000		0.0000	0.0000	50.0880	0.0000	50.0880	2.9601	0.0000	112.2505
Water						0.0000	0.0000		0.0000	0.0000	2.9536	80.9872	83.9409	0.3071	7.9300e-003	92.8491
Total	**2.7799**	**4.4833**	**20.2439**	**0.0651**	**4.6382**	**0.0775**	**4.7157**	**1.2394**	**0.0724**	**1.3119**	**53.0417**	**5,444.7065**	**5,497.7482**	**3.4679**	**0.0181**	**5,576.1961**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9060	2.0000e-005	2.4400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7100e-003	4.7100e-003	1.0000e-005	0.0000	4.9800e-003
Energy	0.0162	0.1476	0.1240	8.9000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	923.7848	923.7848	0.0382	0.0102	927.7490
Mobile	1.8577	4.3357	20.1175	0.0642	4.6382	0.0663	4.7045	1.2394	0.0612	1.3007	0.0000	4,439.9298	4,439.9298	0.1625	0.0000	4,443.3426
Waste						0.0000	0.0000		0.0000	0.0000	50.0880	0.0000	50.0880	2.9601	0.0000	112.2505
Water						0.0000	0.0000		0.0000	0.0000	2.9536	80.9872	83.9409	0.3070	7.9200e-003	92.8444
Total	**2.7799**	**4.4833**	**20.2439**	**0.0651**	**4.6382**	**0.0775**	**4.7157**	**1.2394**	**0.0724**	**1.3119**	**53.0417**	**5,444.7065**	**5,497.7482**	**3.4678**	**0.0181**	**5,576.1914**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.06**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - Pavement Removal	Demolition	6/1/2018	6/28/2018	5	20	
2	Demolition	Demolition	6/29/2018	7/26/2018	5	20	
3	Site Preparation	Site Preparation	7/27/2018	8/2/2018	5	5	
4	Grading	Grading	8/3/2018	8/14/2018	5	8	
5	Trenching	Trenching	8/15/2018	8/28/2018	5	10	
6	Building Construction	Building Construction	8/29/2018	7/16/2019	5	230	
7	Paving	Paving	7/17/2019	8/9/2019	5	18	
8	Architectural Coating	Architectural Coating	8/10/2019	9/20/2019	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 284,709; Non-Residential Outdoor: 94,903 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - Pavement Removal	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - Pavement Removal	Excavators	3	8.00	162	0.38
Demolition - Pavement Removal	Rubber Tired Dozers	2	8.00	255	0.40
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Plate Compactors	2	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	2	8.00	80	0.50
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38

Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - Pavement Removal	6	15.00	0.00	704.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	292.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	80.00	31.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - Pavement Removal - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0762	0.0000	0.0762	0.0115	0.0000	0.0115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0356	0.3683	0.3173	4.0000e-004		0.0181	0.0181		0.0169	0.0169	0.0000	36.1362	36.1362	9.9900e-003	0.0000	36.3460
Total	**0.0356**	**0.3683**	**0.3173**	**4.0000e-004**	**0.0762**	**0.0181**	**0.0943**	**0.0115**	**0.0169**	**0.0284**	**0.0000**	**36.1362**	**36.1362**	**9.9900e-003**	**0.0000**	**36.3460**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.1100e-003	0.0869	0.0733	2.6000e-004	6.0400e-003	1.3400e-003	7.3700e-003	1.6600e-003	1.2300e-003	2.8800e-003	0.0000	22.8701	22.8701	1.7000e-004	0.0000	22.8737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	6.3000e-004	6.5800e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3733	1.3733	6.0000e-005	0.0000	1.3747
Total	**6.5300e-003**	**0.0875**	**0.0798**	**2.8000e-004**	**7.6900e-003**	**1.3500e-003**	**9.0300e-003**	**2.1000e-003**	**1.2400e-003**	**3.3300e-003**	**0.0000**	**24.2435**	**24.2435**	**2.3000e-004**	**0.0000**	**24.2483**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0297	0.0000	0.0297	4.5000e-003	0.0000	4.5000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0356	0.3683	0.3173	4.0000e-004		0.0181	0.0181		0.0169	0.0169	0.0000	36.1361	36.1361	9.9900e-003	0.0000	36.3459
Total	**0.0356**	**0.3683**	**0.3173**	**4.0000e-004**	**0.0297**	**0.0181**	**0.0478**	**4.5000e-003**	**0.0169**	**0.0214**	**0.0000**	**36.1361**	**36.1361**	**9.9900e-003**	**0.0000**	**36.3459**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	6.1100e-003	0.0869	0.0733	2.6000e-004	6.0400e-003	1.3400e-003	7.3700e-003	1.6600e-003	1.2300e-003	2.8800e-003	0.0000	22.8701	22.8701	1.7000e-004	0.0000	22.8737
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	6.3000e-004	6.5800e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3733	1.3733	6.0000e-005	0.0000	1.3747
Total	**6.5300e-003**	**0.0875**	**0.0798**	**2.8000e-004**	**7.6900e-003**	**1.3500e-003**	**9.0300e-003**	**2.1000e-003**	**1.2400e-003**	**3.3300e-003**	**0.0000**	**24.2435**	**24.2435**	**2.3000e-004**	**0.0000**	**24.2483**

3.3 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0316	0.0000	0.0316	4.7800e-003	0.0000	4.7800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0356	0.3683	0.3173	4.0000e-004		0.0181	0.0181		0.0169	0.0169	0.0000	36.1362	36.1362	9.9900e-003	0.0000	36.3460
Total	**0.0356**	**0.3683**	**0.3173**	**4.0000e-004**	**0.0316**	**0.0181**	**0.0497**	**4.7800e-003**	**0.0169**	**0.0216**	**0.0000**	**36.1362**	**36.1362**	**9.9900e-003**	**0.0000**	**36.3460**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5400e-003	0.0360	0.0304	1.1000e-004	2.5000e-003	5.5000e-004	3.0600e-003	6.9000e-004	5.1000e-004	1.2000e-003	0.0000	9.4859	9.4859	7.0000e-005	0.0000	9.4874
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	6.3000e-004	6.5800e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3733	1.3733	6.0000e-005	0.0000	1.3747

Total	**2.9600e-003**	**0.0367**	**0.0370**	**1.3000e-004**	**4.1500e-003**	**5.6000e-004**	**4.7200e-003**	**1.1300e-003**	**5.2000e-004**	**1.6500e-003**	**0.0000**	**10.8592**	**10.8592**	**1.3000e-004**	**0.0000**	**10.8620**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0123	0.0000	0.0123	1.8600e-003	0.0000	1.8600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0356	0.3683	0.3173	4.0000e-004		0.0181	0.0181		0.0169	0.0169	0.0000	36.1361	36.1361	9.9900e-003	0.0000	36.3459
Total	**0.0356**	**0.3683**	**0.3173**	**4.0000e-004**	**0.0123**	**0.0181**	**0.0304**	**1.8600e-003**	**0.0169**	**0.0187**	**0.0000**	**36.1361**	**36.1361**	**9.9900e-003**	**0.0000**	**36.3459**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5400e-003	0.0360	0.0304	1.1000e-004	2.5000e-003	5.5000e-004	3.0600e-003	6.9000e-004	5.1000e-004	1.2000e-003	0.0000	9.4859	9.4859	7.0000e-005	0.0000	9.4874
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	6.3000e-004	6.5800e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3733	1.3733	6.0000e-005	0.0000	1.3747
Total	**2.9600e-003**	**0.0367**	**0.0370**	**1.3000e-004**	**4.1500e-003**	**5.6000e-004**	**4.7200e-003**	**1.1300e-003**	**5.2000e-004**	**1.6500e-003**	**0.0000**	**10.8592**	**10.8592**	**1.3000e-004**	**0.0000**	**10.8620**

3.4 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0107	0.1140	0.0906	1.0000e-004		5.9100e-003	5.9100e-003		5.4400e-003	5.4400e-003	0.0000	8.9353	8.9353	2.7800e-003	0.0000	8.9937
Total	**0.0107**	**0.1140**	**0.0906**	**1.0000e-004**	**0.0452**	**5.9100e-003**	**0.0511**	**0.0248**	**5.4400e-003**	**0.0303**	**0.0000**	**8.9353**	**8.9353**	**2.7800e-003**	**0.0000**	**8.9937**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.9000e-004	1.9700e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4120	0.4120	2.0000e-005	0.0000	0.4124
Total	**1.3000e-004**	**1.9000e-004**	**1.9700e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4120**	**0.4120**	**2.0000e-005**	**0.0000**	**0.4124**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Fugitive Dust					0.0176	0.0000	0.0176	9.6800e-003	0.0000	9.6800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0107	0.1140	0.0906	1.0000e-004		5.9100e-003	5.9100e-003		5.4400e-003	5.4400e-003	0.0000	8.9352	8.9352	2.7800e-003	0.0000	8.9937
Total	**0.0107**	**0.1140**	**0.0906**	**1.0000e-004**	**0.0176**	**5.9100e-003**	**0.0235**	**9.6800e-003**	**5.4400e-003**	**0.0151**	**0.0000**	**8.9352**	**8.9352**	**2.7800e-003**	**0.0000**	**8.9937**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.9000e-004	1.9700e-003	1.0000e-005	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4120	0.4120	2.0000e-005	0.0000	0.4124
Total	**1.3000e-004**	**1.9000e-004**	**1.9700e-003**	**1.0000e-005**	**4.9000e-004**	**0.0000**	**5.0000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.4120**	**0.4120**	**2.0000e-005**	**0.0000**	**0.4124**

3.5 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0120	0.1243	0.0960	1.2000e-004		6.8800e-003	6.8800e-003		6.3300e-003	6.3300e-003	0.0000	10.8612	10.8612	3.3800e-003	0.0000	10.9322
Total	**0.0120**	**0.1243**	**0.0960**	**1.2000e-004**	**0.0262**	**6.8800e-003**	**0.0331**	**0.0135**	**6.3300e-003**	**0.0198**	**0.0000**	**10.8612**	**10.8612**	**3.3800e-003**	**0.0000**	**10.9322**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.5000e-004	2.6300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5493	0.5493	3.0000e-005	0.0000	0.5499
Total	**1.7000e-004**	**2.5000e-004**	**2.6300e-003**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**6.6000e-004**	**1.7000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5493**	**0.5493**	**3.0000e-005**	**0.0000**	**0.5499**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0102	0.0000	0.0102	5.2500e-003	0.0000	5.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0120	0.1243	0.0960	1.2000e-004		6.8800e-003	6.8800e-003		6.3300e-003	6.3300e-003	0.0000	10.8612	10.8612	3.3800e-003	0.0000	10.9322
Total	**0.0120**	**0.1243**	**0.0960**	**1.2000e-004**	**0.0102**	**6.8800e-003**	**0.0171**	**5.2500e-003**	**6.3300e-003**	**0.0116**	**0.0000**	**10.8612**	**10.8612**	**3.3800e-003**	**0.0000**	**10.9322**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.5000e-004	2.6300e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5493	0.5493	3.0000e-005	0.0000	0.5499
Total	**1.7000e-004**	**2.5000e-004**	**2.6300e-003**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**6.6000e-004**	**1.7000e-004**	**0.0000**	**1.8000e-004**	**0.0000**	**0.5493**	**0.5493**	**3.0000e-005**	**0.0000**	**0.5499**

3.6 Trenching - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.3700e-003	0.0574	0.0410	5.0000e-005		4.2000e-003	4.2000e-003		3.8800e-003	3.8800e-003	0.0000	4.8913	4.8913	1.4600e-003	0.0000	4.9219
Total	**6.3700e-003**	**0.0574**	**0.0410**	**5.0000e-005**		**4.2000e-003**	**4.2000e-003**		**3.8800e-003**	**3.8800e-003**	**0.0000**	**4.8913**	**4.8913**	**1.4600e-003**	**0.0000**	**4.9219**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.7000e-004	2.8500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5951	0.5951	3.0000e-005	0.0000	0.5957

Total	**1.8000e-004**	**2.7000e-004**	**2.8500e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5951**	**0.5951**	**3.0000e-005**	**0.0000**	**0.5957**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.3700e-003	0.0574	0.0410	5.0000e-005		4.2000e-003	4.2000e-003		3.8800e-003	3.8800e-003	0.0000	4.8913	4.8913	1.4600e-003	0.0000	4.9219
Total	**6.3700e-003**	**0.0574**	**0.0410**	**5.0000e-005**		**4.2000e-003**	**4.2000e-003**		**3.8800e-003**	**3.8800e-003**	**0.0000**	**4.8913**	**4.8913**	**1.4600e-003**	**0.0000**	**4.9219**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.7000e-004	2.8500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5951	0.5951	3.0000e-005	0.0000	0.5957
Total	**1.8000e-004**	**2.7000e-004**	**2.8500e-003**	**1.0000e-005**	**7.1000e-004**	**0.0000**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.5951**	**0.5951**	**3.0000e-005**	**0.0000**	**0.5957**

3.7 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1188	1.0351	0.7802	1.1900e-003		0.0665	0.0665		0.0625	0.0625	0.0000	105.3625	105.3625	0.0258	0.0000	105.9040
Total	**0.1188**	**1.0351**	**0.7802**	**1.1900e-003**		**0.0665**	**0.0665**		**0.0625**	**0.0625**	**0.0000**	**105.3625**	**105.3625**	**0.0258**	**0.0000**	**105.9040**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0111	0.1039	0.1470	3.0000e-004	8.4900e-003	1.6000e-003	0.0101	2.4200e-003	1.4700e-003	3.8900e-003	0.0000	26.1507	26.1507	1.9000e-004	0.0000	26.1546
Worker	0.0101	0.0149	0.1562	4.6000e-004	0.0391	2.7000e-004	0.0394	0.0104	2.5000e-004	0.0106	0.0000	32.5937	32.5937	1.4900e-003	0.0000	32.6251
Total	**0.0211**	**0.1188**	**0.3032**	**7.6000e-004**	**0.0476**	**1.8700e-003**	**0.0494**	**0.0128**	**1.7200e-003**	**0.0145**	**0.0000**	**58.7444**	**58.7444**	**1.6800e-003**	**0.0000**	**58.7797**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1188	1.0351	0.7802	1.1900e-003		0.0665	0.0665		0.0625	0.0625	0.0000	105.3624	105.3624	0.0258	0.0000	105.9039
Total	**0.1188**	**1.0351**	**0.7802**	**1.1900e-003**		**0.0665**	**0.0665**		**0.0625**	**0.0625**	**0.0000**	**105.3624**	**105.3624**	**0.0258**	**0.0000**	**105.9039**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0111	0.1039	0.1470	3.0000e-004	8.4900e-003	1.6000e-003	0.0101	2.4200e-003	1.4700e-003	3.8900e-003	0.0000	26.1507	26.1507	1.9000e-004	0.0000	26.1546
Worker	0.0101	0.0149	0.1562	4.6000e-004	0.0391	2.7000e-004	0.0394	0.0104	2.5000e-004	0.0106	0.0000	32.5937	32.5937	1.4900e-003	0.0000	32.6251
Total	**0.0211**	**0.1188**	**0.3032**	**7.6000e-004**	**0.0476**	**1.8700e-003**	**0.0494**	**0.0128**	**1.7200e-003**	**0.0145**	**0.0000**	**58.7444**	**58.7444**	**1.6800e-003**	**0.0000**	**58.7797**

3.7 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1658	1.4780	1.2070	1.8900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	165.0566	165.0566	0.0402	0.0000	165.8999
Total	**0.1658**	**1.4780**	**1.2070**	**1.8900e-003**		**0.0906**	**0.0906**		**0.0852**	**0.0852**	**0.0000**	**165.0566**	**165.0566**	**0.0402**	**0.0000**	**165.8999**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0164	0.1526	0.2221	4.7000e-004	0.0135	2.3600e-003	0.0158	3.8400e-003	2.1700e-003	6.0100e-003	0.0000	40.8539	40.8539	3.0000e-004	0.0000	40.8602
Worker	0.0149	0.0219	0.2306	7.4000e-004	0.0619	4.3000e-004	0.0623	0.0164	4.0000e-004	0.0168	0.0000	50.0258	50.0258	2.2600e-003	0.0000	50.0732
Total	**0.0313**	**0.1745**	**0.4526**	**1.2100e-003**	**0.0754**	**2.7900e-003**	**0.0782**	**0.0203**	**2.5700e-003**	**0.0229**	**0.0000**	**90.8797**	**90.8797**	**2.5600e-003**	**0.0000**	**90.9334**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1658	1.4780	1.2070	1.8900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	165.0564	165.0564	0.0402	0.0000	165.8997
Total	**0.1658**	**1.4780**	**1.2070**	**1.8900e-003**		**0.0906**	**0.0906**		**0.0852**	**0.0852**	**0.0000**	**165.0564**	**165.0564**	**0.0402**	**0.0000**	**165.8997**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0164	0.1526	0.2221	4.7000e-004	0.0135	2.3600e-003	0.0158	3.8400e-003	2.1700e-003	6.0100e-003	0.0000	40.8539	40.8539	3.0000e-004	0.0000	40.8602
Worker	0.0149	0.0219	0.2306	7.4000e-004	0.0619	4.3000e-004	0.0623	0.0164	4.0000e-004	0.0168	0.0000	50.0258	50.0258	2.2600e-003	0.0000	50.0732
Total	**0.0313**	**0.1745**	**0.4526**	**1.2100e-003**	**0.0754**	**2.7900e-003**	**0.0782**	**0.0203**	**2.5700e-003**	**0.0229**	**0.0000**	**90.8797**	**90.8797**	**2.5600e-003**	**0.0000**	**90.9334**

3.8 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0113	0.1133	0.1093	1.7000e-004		6.4000e-003	6.4000e-003		5.9000e-003	5.9000e-003	0.0000	14.8291	14.8291	4.5600e-003	0.0000	14.9248
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0113**	**0.1133**	**0.1093**	**1.7000e-004**		**6.4000e-003**	**6.4000e-003**		**5.9000e-003**	**5.9000e-003**	**0.0000**	**14.8291**	**14.8291**	**4.5600e-003**	**0.0000**	**14.9248**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	7.0000e-004	7.3600e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.5966	1.5966	7.0000e-005	0.0000	1.5981

Total	**4.8000e-004**	**7.0000e-004**	**7.3600e-003**	**2.0000e-005**	**1.9800e-003**	**1.0000e-005**	**1.9900e-003**	**5.2000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.5966**	**1.5966**	**7.0000e-005**	**0.0000**	**1.5981**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0113	0.1133	0.1093	1.7000e-004		6.4000e-003	6.4000e-003		5.9000e-003	5.9000e-003	0.0000	14.8290	14.8290	4.5600e-003	0.0000	14.9248
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0113**	**0.1133**	**0.1093**	**1.7000e-004**		**6.4000e-003**	**6.4000e-003**		**5.9000e-003**	**5.9000e-003**	**0.0000**	**14.8290**	**14.8290**	**4.5600e-003**	**0.0000**	**14.9248**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.8000e-004	7.0000e-004	7.3600e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.2000e-004	1.0000e-005	5.4000e-004	0.0000	1.5966	1.5966	7.0000e-005	0.0000	1.5981
Total	**4.8000e-004**	**7.0000e-004**	**7.3600e-003**	**2.0000e-005**	**1.9800e-003**	**1.0000e-005**	**1.9900e-003**	**5.2000e-004**	**1.0000e-005**	**5.4000e-004**	**0.0000**	**1.5966**	**1.5966**	**7.0000e-005**	**0.0000**	**1.5981**

3.9 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5498					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0000e-003	0.0275	0.0276	4.0000e-005		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	3.8299	3.8299	3.2000e-004	0.0000	3.8367
Total	**0.5538**	**0.0275**	**0.0276**	**4.0000e-005**		**1.9300e-003**	**1.9300e-003**		**1.9300e-003**	**1.9300e-003**	**0.0000**	**3.8299**	**3.8299**	**3.2000e-004**	**0.0000**	**3.8367**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	9.3000e-004	9.8100e-003	3.0000e-005	2.6300e-003	2.0000e-005	2.6500e-003	7.0000e-004	2.0000e-005	7.2000e-004	0.0000	2.1288	2.1288	1.0000e-004	0.0000	2.1308
Total	**6.3000e-004**	**9.3000e-004**	**9.8100e-003**	**3.0000e-005**	**2.6300e-003**	**2.0000e-005**	**2.6500e-003**	**7.0000e-004**	**2.0000e-005**	**7.2000e-004**	**0.0000**	**2.1288**	**2.1288**	**1.0000e-004**	**0.0000**	**2.1308**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Archit. Coating	0.5498					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.0000e-003	0.0275	0.0276	4.0000e-005		1.9300e-003	1.9300e-003		1.9300e-003	1.9300e-003	0.0000	3.8299	3.8299	3.2000e-004	0.0000	3.8367
Total	**0.5538**	**0.0275**	**0.0276**	**4.0000e-005**		**1.9300e-003**	**1.9300e-003**		**1.9300e-003**	**1.9300e-003**	**0.0000**	**3.8299**	**3.8299**	**3.2000e-004**	**0.0000**	**3.8367**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	9.3000e-004	9.8100e-003	3.0000e-005	2.6300e-003	2.0000e-005	2.6500e-003	7.0000e-004	2.0000e-005	7.2000e-004	0.0000	2.1288	2.1288	1.0000e-004	0.0000	2.1308
Total	**6.3000e-004**	**9.3000e-004**	**9.8100e-003**	**3.0000e-005**	**2.6300e-003**	**2.0000e-005**	**2.6500e-003**	**7.0000e-004**	**2.0000e-005**	**7.2000e-004**	**0.0000**	**2.1288**	**2.1288**	**1.0000e-004**	**0.0000**	**2.1308**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.8577	4.3357	20.1175	0.0642	4.6382	0.0663	4.7045	1.2394	0.0612	1.3007	0.0000	4,439.9298	4,439.9298	0.1625	0.0000	4,443.3426
Unmitigated	1.8577	4.3357	20.1175	0.0642	4.6382	0.0663	4.7045	1.2394	0.0612	1.3007	0.0000	4,439.9298	4,439.9298	0.1625	0.0000	4,443.3426

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	5,217.88	2,131.57	229.67	12,275,867	12,275,867
Total	5,217.88	2,131.57	229.67	12,275,867	12,275,867

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.508857	0.056420	0.193204	0.150829	0.041936	0.005921	0.015893	0.015805	0.001454	0.002159	0.004747	0.000498	0.002277

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	763.1425	763.1425	0.0351	7.2600e-003	766.1291
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	763.1425	763.1425	0.0351	7.2600e-003	766.1291
NaturalGas Mitigated	0.0162	0.1476	0.1240	8.9000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	160.6423	160.6423	3.0800e-003	2.9500e-003	161.6200

NaturalGas Unmitigated	0.0162	0.1476	0.1240	8.9000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	160.6423	160.6423	3.0800e-003	2.9500e-003	161.6200

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	3.01032e+006	0.0162	0.1476	0.1240	8.9000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	160.6423	160.6423	3.0800e-003	2.9500e-003	161.6200
Total		**0.0162**	**0.1476**	**0.1240**	**8.9000e-004**		**0.0112**	**0.0112**		**0.0112**	**0.0112**	**0.0000**	**160.6423**	**160.6423**	**3.0800e-003**	**2.9500e-003**	**161.6200**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	3.01032e+006	0.0162	0.1476	0.1240	8.9000e-004		0.0112	0.0112		0.0112	0.0112	0.0000	160.6423	160.6423	3.0800e-003	2.9500e-003	161.6200
Total		**0.0162**	**0.1476**	**0.1240**	**8.9000e-004**		**0.0112**	**0.0112**		**0.0112**	**0.0112**	**0.0000**	**160.6423**	**160.6423**	**3.0800e-003**	**2.9500e-003**	**161.6200**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	2.66677e+006	763.1425	0.0351	7.2600e-003	766.1291
Total		**763.1425**	**0.0351**	**7.2600e-003**	**766.1291**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	2.66677e+006	763.1425	0.0351	7.2600e-003	766.1291
Total		**763.1425**	**0.0351**	**7.2600e-003**	**766.1291**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Mitigated	0.9060	2.0000e-005	2.4400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7100e-003	4.7100e-003	1.0000e-005	0.0000	4.9800e-003
Unmitigated	0.9060	2.0000e-005	2.4400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7100e-003	4.7100e-003	1.0000e-005	0.0000	4.9800e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2199					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6859					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.4400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7100e-003	4.7100e-003	1.0000e-005	0.0000	4.9800e-003
Total	**0.9060**	**2.0000e-005**	**2.4400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.7100e-003**	**4.7100e-003**	**1.0000e-005**	**0.0000**	**4.9800e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.2199					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6859					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.4400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7100e-003	4.7100e-003	1.0000e-005	0.0000	4.9800e-003

Total	**0.9060**	**2.0000e-005**	**2.4400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.7100e-003**	**4.7100e-003**	**1.0000e-005**	**0.0000**	**4.9800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	83.9409	0.3070	7.9200e-003	92.8444
Unmitigated	83.9409	0.3071	7.9300e-003	92.8491

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	9.31 / 14.5618	83.9409	0.3071	7.9300e-003	92.8491
Total		**83.9409**	**0.3071**	**7.9300e-003**	**92.8491**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	9.31 / 14.5618	83.9409	0.3070	7.9200e-003	92.8444
Total		**83.9409**	**0.3070**	**7.9200e-003**	**92.8444**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	50.0880	2.9601	0.0000	112.2505
Unmitigated	50.0880	2.9601	0.0000	112.2505

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e

Land Use	tons	MT/yr			
Junior College (2Yr)	246.75	50.0880	2.9601	0.0000	112.2505
Total		**50.0880**	**2.9601**	**0.0000**	**112.2505**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	246.75	50.0880	2.9601	0.0000	112.2505
Total		**50.0880**	**2.9601**	**0.0000**	**112.2505**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 2 - Student Union

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	189.81	1000sqft	4.36	189,806.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Trips and VMT - modified

Demolition - Assuming density of pavement is 150 lbs/ft3 and pavement is 1 ft deep

Architectural Coating - modified per SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	18.00	30.00
tblLandUse	LandUseSquareFeet	189,810.00	189,806.00
tblProjectCharacteristics	OperationalYear	2014	2020

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.3440	45.6756	38.9340	0.0678	18.2675	2.3668	20.6342	9.9840	2.1774	12.1615	0.0000	6,664.3402	6,664.3402	1.2348	0.0000	6,690.2715
2019	36.9659	23.3175	23.2251	0.0444	1.0880	1.3245	2.4125	0.2923	1.2446	1.5369	0.0000	4,035.5674	4,035.5674	0.6678	0.0000	4,049.5918
Total	**41.3099**	**68.9932**	**62.1591**	**0.1122**	**19.3555**	**3.6912**	**23.0467**	**10.2764**	**3.4220**	**13.6984**	**0.0000**	**10,699.9076**	**10,699.9076**	**1.9027**	**0.0000**	**10,739.8633**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Year	lb/day										lb/day					
2018	4.3440	45.6756	38.9340	0.0678	7.2470	2.3668	9.6138	3.9263	2.1774	6.1038	0.0000	6,664.3402	6,664.3402	1.2348	0.0000	6,690.2714
2019	36.9659	23.3175	23.2251	0.0444	1.0880	1.3245	2.4125	0.2923	1.2446	1.5369	0.0000	4,035.5674	4,035.5674	0.6678	0.0000	4,049.5918
Total	**41.3099**	**68.9932**	**62.1591**	**0.1122**	**8.3350**	**3.6912**	**12.0263**	**4.2187**	**3.4220**	**7.6407**	**0.0000**	**10,699.9076**	**10,699.9076**	**1.9027**	**0.0000**	**10,739.8632**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**56.94**	**0.00**	**47.82**	**58.95**	**0.00**	**44.22**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Energy	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Mobile	13.1675	28.4355	141.8142	0.4686	33.3052	0.4677	33.7729	8.8872	0.4317	9.3189		35,678.7757	35,678.7757	1.2648		35,705.3361
Total	**18.2216**	**29.2443**	**142.5129**	**0.4734**	**33.3052**	**0.5292**	**33.8344**	**8.8872**	**0.4932**	**9.3804**		**36,649.1068**	**36,649.1068**	**1.2835**	**0.0178**	**36,681.5745**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Energy	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Mobile	13.1675	28.4355	141.8142	0.4686	33.3052	0.4677	33.7729	8.8872	0.4317	9.3189		35,678.7757	35,678.7757	1.2648		35,705.3361
Total	**18.2216**	**29.2443**	**142.5129**	**0.4734**	**33.3052**	**0.5292**	**33.8344**	**8.8872**	**0.4932**	**9.3804**		**36,649.1068**	**36,649.1068**	**1.2835**	**0.0178**	**36,681.5745**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - Pavement Removal	Demolition	6/1/2018	6/28/2018	5	20	
2	Demolition	Demolition	6/29/2018	7/26/2018	5	20	
3	Site Preparation	Site Preparation	7/27/2018	8/2/2018	5	5	
4	Grading	Grading	8/3/2018	8/14/2018	5	8	
5	Trenching	Trenching	8/15/2018	8/28/2018	5	10	
6	Building Construction	Building Construction	8/29/2018	7/16/2019	5	230	
7	Paving	Paving	7/17/2019	8/9/2019	5	18	
8	Architectural Coating	Architectural Coating	8/10/2019	9/20/2019	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 284,709; Non-Residential Outdoor: 94,903 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - Pavement Removal	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - Pavement Removal	Excavators	3	8.00	162	0.38
Demolition - Pavement Removal	Rubber Tired Dozers	2	8.00	255	0.40
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Plate Compactors	2	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	2	8.00	80	0.50
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - Pavement Removal	6	15.00	0.00	704.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	292.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	80.00	31.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - Pavement Removal - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6159	0.0000	7.6159	1.1531	0.0000	1.1531			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856		3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**7.6159**	**1.8090**	**9.4249**	**1.1531**	**1.6856**	**2.8387**		**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5885	8.2571	6.5211	0.0258	0.6134	0.1334	0.7468	0.1680	0.1227	0.2907		2,523.5321	2,523.5321	0.0184		2,523.9192
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254
Total	**0.6318**	**8.3129**	**7.2090**	**0.0279**	**0.7810**	**0.1345**	**0.9156**	**0.2124**	**0.1238**	**0.3362**		**2,681.0120**	**2,681.0120**	**0.0254**		**2,681.5447**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9702	0.0000	2.9702	0.4497	0.0000	0.4497			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856	0.0000	3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**2.9702**	**1.8090**	**4.7792**	**0.4497**	**1.6856**	**2.1353**	**0.0000**	**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5885	8.2571	6.5211	0.0258	0.6134	0.1334	0.7468	0.1680	0.1227	0.2907		2,523.5321	2,523.5321	0.0184		2,523.9192

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254
Total	**0.6318**	**8.3129**	**7.2090**	**0.0279**	**0.7810**	**0.1345**	**0.9156**	**0.2124**	**0.1238**	**0.3362**		**2,681.0120**	**2,681.0120**	**0.0254**		**2,681.5447**

3.3 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1562	0.0000	3.1562	0.4779	0.0000	0.4779			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856		3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**3.1562**	**1.8090**	**4.9651**	**0.4779**	**1.6856**	**2.1635**		**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2441	3.4248	2.7048	0.0107	0.2544	0.0553	0.3097	0.0697	0.0509	0.1206		1,046.6923	1,046.6923	7.6500e-003		1,046.8529
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254
Total	**0.2874**	**3.4806**	**3.3927**	**0.0128**	**0.4221**	**0.0565**	**0.4785**	**0.1141**	**0.0520**	**0.1661**		**1,204.1722**	**1,204.1722**	**0.0146**		**1,204.4783**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2309	0.0000	1.2309	0.1864	0.0000	0.1864			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856	0.0000	3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**1.2309**	**1.8090**	**3.0399**	**0.1864**	**1.6856**	**1.8720**	**0.0000**	**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2441	3.4248	2.7048	0.0107	0.2544	0.0553	0.3097	0.0697	0.0509	0.1206		1,046.6923	1,046.6923	7.6500e-003		1,046.8529
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254
Total	**0.2874**	**3.4806**	**3.3927**	**0.0128**	**0.4221**	**0.0565**	**0.4785**	**0.1141**	**0.0520**	**0.1661**		**1,204.1722**	**1,204.1722**	**0.0146**		**1,204.4783**

3.4 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762		3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**		**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0519	0.0669	0.8255	2.4400e-003	0.2012	1.3600e-003	0.2026	0.0534	1.2600e-003	0.0546		188.9759	188.9759	8.3200e-003		189.1505
Total	**0.0519**	**0.0669**	**0.8255**	**2.4400e-003**	**0.2012**	**1.3600e-003**	**0.2026**	**0.0534**	**1.2600e-003**	**0.0546**		**188.9759**	**188.9759**	**8.3200e-003**		**189.1505**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762	0.0000	3,939.7731	3,939.7731	1.2265		3,965.5297

Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**7.0458**	**2.3654**	**9.4113**	**3.8730**	**2.1762**	**6.0491**	**0.0000**	**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0519	0.0669	0.8255	2.4400e-003	0.2012	1.3600e-003	0.2026	0.0534	1.2600e-003	0.0546		188.9759	188.9759	8.3200e-003		189.1505
Total	**0.0519**	**0.0669**	**0.8255**	**2.4400e-003**	**0.2012**	**1.3600e-003**	**0.2026**	**0.0534**	**1.2600e-003**	**0.0546**		**188.9759**	**188.9759**	**8.3200e-003**		**189.1505**

3.5 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825		2,993.1005	2,993.1005	0.9318		3,012.6681
Total	**3.0028**	**31.0702**	**23.9988**	**0.0297**	**6.5523**	**1.7201**	**8.2724**	**3.3675**	**1.5825**	**4.9500**		**2,993.1005**	**2,993.1005**	**0.9318**		**3,012.6681**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254
Total	**0.0433**	**0.0557**	**0.6879**	**2.0300e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0500e-003**	**0.0455**		**157.4799**	**157.4799**	**6.9300e-003**		**157.6254**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825	0.0000	2,993.1005	2,993.1005	0.9318		3,012.6681
Total	**3.0028**	**31.0702**	**23.9988**	**0.0297**	**2.5554**	**1.7201**	**4.2755**	**1.3133**	**1.5825**	**2.8958**	**0.0000**	**2,993.1005**	**2,993.1005**	**0.9318**		**3,012.6681**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0433	0.0557	0.6879	2.0300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		157.4799	157.4799	6.9300e-003		157.6254
Total	**0.0433**	**0.0557**	**0.6879**	**2.0300e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0500e-003**	**0.0455**		**157.4799**	**157.4799**	**6.9300e-003**		**157.6254**

3.6 Trenching - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2748	11.4785	8.1968	0.0110		0.8407	0.8407		0.7750	0.7750		1,078.3462	1,078.3462	0.3214		1,085.0955
Total	**1.2748**	**11.4785**	**8.1968**	**0.0110**		**0.8407**	**0.8407**		**0.7750**	**0.7750**		**1,078.3462**	**1,078.3462**	**0.3214**		**1,085.0955**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0375	0.0483	0.5962	1.7600e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		136.4826	136.4826	6.0100e-003		136.6087
Total	**0.0375**	**0.0483**	**0.5962**	**1.7600e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**136.4826**	**136.4826**	**6.0100e-003**		**136.6087**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2748	11.4785	8.1968	0.0110		0.8407	0.8407		0.7750	0.7750	0.0000	1,078.3462	1,078.3462	0.3214		1,085.0955
Total	**1.2748**	**11.4785**	**8.1968**	**0.0110**		**0.8407**	**0.8407**		**0.7750**	**0.7750**	**0.0000**	**1,078.3462**	**1,078.3462**	**0.3214**		**1,085.0955**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0375	0.0483	0.5962	1.7600e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		136.4826	136.4826	6.0100e-003		136.6087
Total	**0.0375**	**0.0483**	**0.5962**	**1.7600e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**136.4826**	**136.4826**	**6.0100e-003**		**136.6087**

3.7 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**		**2,609.9390**	**2,609.9390**	**0.6387**		**2,623.3517**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2342	2.2395	2.8297	6.6900e-003	0.1938	0.0357	0.2295	0.0552	0.0329	0.0881		650.0929	650.0929	4.6000e-003		650.1895
Worker	0.2307	0.2971	3.6687	0.0109	0.8942	6.0400e-003	0.9003	0.2372	5.5900e-003	0.2427		839.8927	839.8927	0.0370		840.6689
Total	**0.4648**	**2.5366**	**6.4984**	**0.0175**	**1.0880**	**0.0418**	**1.1298**	**0.2923**	**0.0385**	**0.3308**		**1,489.9856**	**1,489.9856**	**0.0416**		**1,490.8584**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**	**0.0000**	**2,609.9389**	**2,609.9389**	**0.6387**		**2,623.3517**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2342	2.2395	2.8297	6.6900e-003	0.1938	0.0357	0.2295	0.0552	0.0329	0.0881		650.0929	650.0929	4.6000e-003		650.1895
Worker	0.2307	0.2971	3.6687	0.0109	0.8942	6.0400e-003	0.9003	0.2372	5.5900e-003	0.2427		839.8927	839.8927	0.0370		840.6689
Total	**0.4648**	**2.5366**	**6.4984**	**0.0175**	**1.0880**	**0.0418**	**1.1298**	**0.2923**	**0.0385**	**0.3308**		**1,489.9856**	**1,489.9856**	**0.0416**		**1,490.8584**

3.7 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**		**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2196	2.0771	2.6797	6.7000e-003	0.1938	0.0333	0.2271	0.0552	0.0307	0.0859		641.0554	641.0554	4.6300e-003		641.1526
Worker	0.2158	0.2754	3.4250	0.0109	0.8942	6.0900e-003	0.9003	0.2372	5.6400e-003	0.2428		813.7503	813.7503	0.0353		814.4913
Total	**0.4354**	**2.3525**	**6.1047**	**0.0176**	**1.0880**	**0.0394**	**1.1274**	**0.2923**	**0.0363**	**0.3287**		**1,454.8057**	**1,454.8057**	**0.0399**		**1,455.6439**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**	**0.0000**	**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2196	2.0771	2.6797	6.7000e-003	0.1938	0.0333	0.2271	0.0552	0.0307	0.0859		641.0554	641.0554	4.6300e-003		641.1526
Worker	0.2158	0.2754	3.4250	0.0109	0.8942	6.0900e-003	0.9003	0.2372	5.6400e-003	0.2428		813.7503	813.7503	0.0353		814.4913
Total	**0.4354**	**2.3525**	**6.1047**	**0.0176**	**1.0880**	**0.0394**	**1.1274**	**0.2923**	**0.0363**	**0.3287**		**1,454.8057**	**1,454.8057**	**0.0399**		**1,455.6439**

3.8 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560		1,816.2490	1,816.2490	0.5585		1,827.9782
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2520**	**12.5889**	**12.1441**	**0.0187**		**0.7111**	**0.7111**		**0.6560**	**0.6560**		**1,816.2490**	**1,816.2490**	**0.5585**		**1,827.9782**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0688	0.8563	2.7300e-003	0.2236	1.5200e-003	0.2251	0.0593	1.4100e-003	0.0607		203.4376	203.4376	8.8200e-003		203.6228
Total	**0.0540**	**0.0688**	**0.8563**	**2.7300e-003**	**0.2236**	**1.5200e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**203.4376**	**203.4376**	**8.8200e-003**		**203.6228**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560	0.0000	1,816.2490	1,816.2490	0.5585		1,827.9782
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2520**	**12.5889**	**12.1441**	**0.0187**		**0.7111**	**0.7111**		**0.6560**	**0.6560**	**0.0000**	**1,816.2490**	**1,816.2490**	**0.5585**		**1,827.9782**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0540	0.0688	0.8563	2.7300e-003	0.2236	1.5200e-003	0.2251	0.0593	1.4100e-003	0.0607		203.4376	203.4376	8.8200e-003		203.6228
Total	**0.0540**	**0.0688**	**0.8563**	**2.7300e-003**	**0.2236**	**1.5200e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**203.4376**	**203.4376**	**8.8200e-003**		**203.6228**

3.9 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	36.6563					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	**36.9227**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**281.9473**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0432	0.0551	0.6850	2.1800e-003	0.1788	1.2200e-003	0.1801	0.0474	1.1300e-003	0.0486		162.7501	162.7501	7.0600e-003		162.8983
Total	**0.0432**	**0.0551**	**0.6850**	**2.1800e-003**	**0.1788**	**1.2200e-003**	**0.1801**	**0.0474**	**1.1300e-003**	**0.0486**		**162.7501**	**162.7501**	**7.0600e-003**		**162.8983**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	36.6563					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	**36.9227**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**281.9473**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0432	0.0551	0.6850	2.1800e-003	0.1788	1.2200e-003	0.1801	0.0474	1.1300e-003	0.0486		162.7501	162.7501	7.0600e-003		162.8983
Total	**0.0432**	**0.0551**	**0.6850**	**2.1800e-003**	**0.1788**	**1.2200e-003**	**0.1801**	**0.0474**	**1.1300e-003**	**0.0486**		**162.7501**	**162.7501**	**7.0600e-003**		**162.8983**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	13.1675	28.4355	141.8142	0.4686	33.3052	0.4677	33.7729	8.8872	0.4317	9.3189		35,678.7757	35,678.7757	1.2648		35,705.3361
Unmitigated	13.1675	28.4355	141.8142	0.4686	33.3052	0.4677	33.7729	8.8872	0.4317	9.3189		35,678.7757	35,678.7757	1.2648		35,705.3361

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	5,217.88	2,131.57	229.67	12,275,867	12,275,867
Total	5,217.88	2,131.57	229.67	12,275,867	12,275,867

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.508857	0.056420	0.193204	0.150829	0.041936	0.005921	0.015893	0.015805	0.001454	0.002159	0.004747	0.000498	0.002277

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
NaturalGas Unmitigated	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	8247.46	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Total		**0.0889**	**0.8086**	**0.6792**	**4.8500e-003**		**0.0615**	**0.0615**		**0.0615**	**0.0615**		**970.2895**	**970.2895**	**0.0186**	**0.0178**	**976.1945**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	8.24746	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Total		**0.0889**	**0.8086**	**0.6792**	**4.8500e-003**		**0.0615**	**0.0615**		**0.0615**	**0.0615**		**970.2895**	**970.2895**	**0.0186**	**0.0178**	**976.1945**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Mitigated	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Unmitigated	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2051					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8300e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Total	**4.9651**	**1.8000e-004**	**0.0195**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**		**0.0415**	**0.0415**	**1.1000e-004**		**0.0439**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Consumer Products	3.7582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8300e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Architectural Coating	1.2051					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**4.9651**	**1.8000e-004**	**0.0195**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**		**0.0415**	**0.0415**	**1.1000e-004**		**0.0439**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

Phase 2 - Student Union

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	189.81	1000sqft	4.36	189,806.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - modified

Construction Phase - modified

Off-road Equipment -

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Off-road Equipment - modified

Trips and VMT - modified

Demolition - Assuming density of pavement is 150 lbs/ft3 and pavement is 1 ft deep

Architectural Coating - modified per SCAQMD Rule 1113

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblConstructionPhase	NumDays	18.00	30.00
tblLandUse	LandUseSquareFeet	189,810.00	189,806.00
tblProjectCharacteristics	OperationalYear	2014	2020

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	4.3466	45.6823	39.9371	0.0677	18.2675	2.3668	20.6342	9.9840	2.1774	12.1615	0.0000	6,649.9696	6,649.9696	1.2348	0.0000	6,675.9009
2019	36.9680	23.3907	23.6218	0.0438	1.0880	1.3248	2.4128	0.2923	1.2449	1.5372	0.0000	3,986.9241	3,986.9241	0.6680	0.0000	4,000.9517
Total	**41.3146**	**69.0730**	**63.5589**	**0.1114**	**19.3555**	**3.6916**	**23.0470**	**10.2764**	**3.4223**	**13.6987**	**0.0000**	**10,636.8937**	**10,636.8937**	**1.9028**	**0.0000**	**10,676.8525**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Year	lb/day										lb/day					
2018	4.3466	45.6823	39.9371	0.0677	7.2470	2.3668	9.6138	3.9263	2.1774	6.1038	0.0000	6,649.9696	6,649.9696	1.2348	0.0000	6,675.9009
2019	36.9680	23.3907	23.6218	0.0438	1.0880	1.3248	2.4128	0.2923	1.2449	1.5372	0.0000	3,986.9241	3,986.9241	0.6680	0.0000	4,000.9517
Total	**41.3146**	**69.0730**	**63.5589**	**0.1114**	**8.3350**	**3.6916**	**12.0266**	**4.2187**	**3.4223**	**7.6410**	**0.0000**	**10,636.8937**	**10,636.8937**	**1.9028**	**0.0000**	**10,676.8525**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**56.94**	**0.00**	**47.82**	**58.95**	**0.00**	**44.22**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Energy	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Mobile	13.8822	30.0037	141.1828	0.4475	33.3052	0.4692	33.7744	8.8872	0.4331	9.3203		34,139.9342	34,139.9342	1.2657		34,166.5132
Total	**18.9363**	**30.8125**	**141.8815**	**0.4523**	**33.3052**	**0.5307**	**33.8359**	**8.8872**	**0.4946**	**9.3818**		**35,110.2652**	**35,110.2652**	**1.2844**	**0.0178**	**35,142.7516**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Area	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Energy	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Mobile	13.8822	30.0037	141.1828	0.4475	33.3052	0.4692	33.7744	8.8872	0.4331	9.3203		34,139.9342	34,139.9342	1.2657		34,166.5132
Total	**18.9363**	**30.8125**	**141.8815**	**0.4523**	**33.3052**	**0.5307**	**33.8359**	**8.8872**	**0.4946**	**9.3818**		**35,110.2652**	**35,110.2652**	**1.2844**	**0.0178**	**35,142.7516**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - Pavement Removal	Demolition	6/1/2018	6/28/2018	5	20	
2	Demolition	Demolition	6/29/2018	7/26/2018	5	20	
3	Site Preparation	Site Preparation	7/27/2018	8/2/2018	5	5	
4	Grading	Grading	8/3/2018	8/14/2018	5	8	
5	Trenching	Trenching	8/15/2018	8/28/2018	5	10	
6	Building Construction	Building Construction	8/29/2018	7/16/2019	5	230	
7	Paving	Paving	7/17/2019	8/9/2019	5	18	
8	Architectural Coating	Architectural Coating	8/10/2019	9/20/2019	5	30	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 284,709; Non-Residential Outdoor: 94,903 (Architectural Coating –

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - Pavement Removal	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - Pavement Removal	Excavators	3	8.00	162	0.38
Demolition - Pavement Removal	Rubber Tired Dozers	2	8.00	255	0.40
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trenching	Plate Compactors	2	8.00	8	0.43
Trenching	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Trenchers	2	8.00	80	0.50
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	125	0.42
Paving	Paving Equipment	2	6.00	130	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - Pavement Removal	6	15.00	0.00	704.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	292.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	80.00	31.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - Pavement Removal - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6159	0.0000	7.6159	1.1531	0.0000	1.1531			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856		3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**7.6159**	**1.8090**	**9.4249**	**1.1531**	**1.6856**	**2.8387**		**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6236	8.5390	7.5681	0.0258	0.6134	0.1337	0.7471	0.1680	0.1230	0.2910		2,517.5076	2,517.5076	0.0187		2,517.9002
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794
Total	**0.6690**	**8.6003**	**8.2121**	**0.0277**	**0.7810**	**0.1348**	**0.9159**	**0.2124**	**0.1240**	**0.3365**		**2,666.6414**	**2,666.6414**	**0.0256**		**2,667.1796**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.9702	0.0000	2.9702	0.4497	0.0000	0.4497			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856	0.0000	3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**2.9702**	**1.8090**	**4.7792**	**0.4497**	**1.6856**	**2.1353**	**0.0000**	**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6236	8.5390	7.5681	0.0258	0.6134	0.1337	0.7471	0.1680	0.1230	0.2910		2,517.5076	2,517.5076	0.0187		2,517.9002

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794
Total	**0.6690**	**8.6003**	**8.2121**	**0.0277**	**0.7810**	**0.1348**	**0.9159**	**0.2124**	**0.1240**	**0.3365**		**2,666.6414**	**2,666.6414**	**0.0256**		**2,667.1796**

3.3 Demolition - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1562	0.0000	3.1562	0.4779	0.0000	0.4779			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856		3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**3.1562**	**1.8090**	**4.9651**	**0.4779**	**1.6856**	**2.1635**		**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2586	3.5418	3.1390	0.0107	0.2544	0.0555	0.3099	0.0697	0.0510	0.1207		1,044.1935	1,044.1935	7.7500e-003		1,044.3563
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794
Total	**0.3040**	**3.6030**	**3.7831**	**0.0126**	**0.4221**	**0.0566**	**0.4787**	**0.1141**	**0.0521**	**0.1662**		**1,193.3273**	**1,193.3273**	**0.0147**		**1,193.6357**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.2309	0.0000	1.2309	0.1864	0.0000	0.1864			0.0000			0.0000
Off-Road	3.5606	36.8310	31.7250	0.0399		1.8090	1.8090		1.6856	1.6856	0.0000	3,983.3282	3,983.3282	1.1015		4,006.4585
Total	**3.5606**	**36.8310**	**31.7250**	**0.0399**	**1.2309**	**1.8090**	**3.0399**	**0.1864**	**1.6856**	**1.8720**	**0.0000**	**3,983.3282**	**3,983.3282**	**1.1015**		**4,006.4585**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2586	3.5418	3.1390	0.0107	0.2544	0.0555	0.3099	0.0697	0.0510	0.1207		1,044.1935	1,044.1935	7.7500e-003		1,044.3563
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794
Total	**0.3040**	**3.6030**	**3.7831**	**0.0126**	**0.4221**	**0.0566**	**0.4787**	**0.1141**	**0.0521**	**0.1662**		**1,193.3273**	**1,193.3273**	**0.0147**		**1,193.6357**

3.4 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762		3,939.7731	3,939.7731	1.2265		3,965.5297
Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**18.0663**	**2.3654**	**20.4317**	**9.9307**	**2.1762**	**12.1069**		**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0545	0.0735	0.7728	2.3100e-003	0.2012	1.3600e-003	0.2026	0.0534	1.2600e-003	0.0546		178.9606	178.9606	8.3200e-003		179.1353
Total	**0.0545**	**0.0735**	**0.7728**	**2.3100e-003**	**0.2012**	**1.3600e-003**	**0.2026**	**0.0534**	**1.2600e-003**	**0.0546**		**178.9606**	**178.9606**	**8.3200e-003**		**179.1353**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762	0.0000	3,939.7731	3,939.7731	1.2265		3,965.5297

Total	**4.2921**	**45.6088**	**36.2346**	**0.0391**	**7.0458**	**2.3654**	**9.4113**	**3.8730**	**2.1762**	**6.0491**	**0.0000**	**3,939.7731**	**3,939.7731**	**1.2265**		**3,965.5297**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0545	0.0735	0.7728	2.3100e-003	0.2012	1.3600e-003	0.2026	0.0534	1.2600e-003	0.0546		178.9606	178.9606	8.3200e-003		179.1353
Total	**0.0545**	**0.0735**	**0.7728**	**2.3100e-003**	**0.2012**	**1.3600e-003**	**0.2026**	**0.0534**	**1.2600e-003**	**0.0546**		**178.9606**	**178.9606**	**8.3200e-003**		**179.1353**

3.5 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825		2,993.1005	2,993.1005	0.9318		3,012.6681
Total	**3.0028**	**31.0702**	**23.9988**	**0.0297**	**6.5523**	**1.7201**	**8.2724**	**3.3675**	**1.5825**	**4.9500**		**2,993.1005**	**2,993.1005**	**0.9318**		**3,012.6681**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794
Total	**0.0454**	**0.0613**	**0.6440**	**1.9300e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0500e-003**	**0.0455**		**149.1338**	**149.1338**	**6.9300e-003**		**149.2794**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	3.0028	31.0702	23.9988	0.0297		1.7201	1.7201		1.5825	1.5825	0.0000	2,993.1005	2,993.1005	0.9318		3,012.6681
Total	**3.0028**	**31.0702**	**23.9988**	**0.0297**	**2.5554**	**1.7201**	**4.2755**	**1.3133**	**1.5825**	**2.8958**	**0.0000**	**2,993.1005**	**2,993.1005**	**0.9318**		**3,012.6681**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0454	0.0613	0.6440	1.9300e-003	0.1677	1.1300e-003	0.1688	0.0445	1.0500e-003	0.0455		149.1338	149.1338	6.9300e-003		149.2794
Total	**0.0454**	**0.0613**	**0.6440**	**1.9300e-003**	**0.1677**	**1.1300e-003**	**0.1688**	**0.0445**	**1.0500e-003**	**0.0455**		**149.1338**	**149.1338**	**6.9300e-003**		**149.2794**

3.6 Trenching - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2748	11.4785	8.1968	0.0110		0.8407	0.8407		0.7750	0.7750		1,078.3462	1,078.3462	0.3214		1,085.0955
Total	**1.2748**	**11.4785**	**8.1968**	**0.0110**		**0.8407**	**0.8407**		**0.7750**	**0.7750**		**1,078.3462**	**1,078.3462**	**0.3214**		**1,085.0955**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0531	0.5582	1.6700e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		129.2493	129.2493	6.0100e-003		129.3755
Total	**0.0393**	**0.0531**	**0.5582**	**1.6700e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**129.2493**	**129.2493**	**6.0100e-003**		**129.3755**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2748	11.4785	8.1968	0.0110		0.8407	0.8407		0.7750	0.7750	0.0000	1,078.3462	1,078.3462	0.3214		1,085.0955
Total	**1.2748**	**11.4785**	**8.1968**	**0.0110**		**0.8407**	**0.8407**		**0.7750**	**0.7750**	**0.0000**	**1,078.3462**	**1,078.3462**	**0.3214**		**1,085.0955**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0531	0.5582	1.6700e-003	0.1453	9.8000e-004	0.1463	0.0385	9.1000e-004	0.0395		129.2493	129.2493	6.0100e-003		129.3755
Total	**0.0393**	**0.0531**	**0.5582**	**1.6700e-003**	**0.1453**	**9.8000e-004**	**0.1463**	**0.0385**	**9.1000e-004**	**0.0395**		**129.2493**	**129.2493**	**6.0100e-003**		**129.3755**

3.7 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**		**2,609.9390**	**2,609.9390**	**0.6387**		**2,623.3517**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2577	2.2899	3.4569	6.6400e-003	0.1938	0.0361	0.2299	0.0552	0.0332	0.0884		644.5848	644.5848	4.7500e-003		644.6845
Worker	0.2421	0.3267	3.4348	0.0103	0.8942	6.0400e-003	0.9003	0.2372	5.5900e-003	0.2427		795.3805	795.3805	0.0370		796.1568
Total	**0.4998**	**2.6166**	**6.8917**	**0.0169**	**1.0880**	**0.0421**	**1.1301**	**0.2923**	**0.0388**	**0.3311**		**1,439.9653**	**1,439.9653**	**0.0417**		**1,440.8413**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

Total	**2.6687**	**23.2608**	**17.5327**	**0.0268**		**1.4943**	**1.4943**		**1.4048**	**1.4048**	**0.0000**	**2,609.9389**	**2,609.9389**	**0.6387**		**2,623.3517**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2577	2.2899	3.4569	6.6400e-003	0.1938	0.0361	0.2299	0.0552	0.0332	0.0884		644.5848	644.5848	4.7500e-003		644.6845
Worker	0.2421	0.3267	3.4348	0.0103	0.8942	6.0400e-003	0.9003	0.2372	5.5900e-003	0.2427		795.3805	795.3805	0.0370		796.1568
Total	**0.4998**	**2.6166**	**6.8917**	**0.0169**	**1.0880**	**0.0421**	**1.1301**	**0.2923**	**0.0388**	**0.3311**		**1,439.9653**	**1,439.9653**	**0.0417**		**1,440.8413**

3.7 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**		**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2404	2.1229	3.3034	6.6500e-003	0.1938	0.0337	0.2274	0.0552	0.0310	0.0862		635.6297	635.6297	4.7800e-003		635.7301
Worker	0.2263	0.3028	3.1981	0.0103	0.8942	6.0900e-003	0.9003	0.2372	5.6400e-003	0.2428		770.5326	770.5326	0.0353		771.2736
Total	**0.4667**	**2.4256**	**6.5015**	**0.0170**	**1.0880**	**0.0398**	**1.1277**	**0.2923**	**0.0366**	**0.3289**		**1,406.1623**	**1,406.1623**	**0.0401**		**1,407.0038**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	**2.3516**	**20.9650**	**17.1204**	**0.0268**		**1.2850**	**1.2850**		**1.2083**	**1.2083**	**0.0000**	**2,580.7618**	**2,580.7618**	**0.6279**		**2,593.9479**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2404	2.1229	3.3034	6.6500e-003	0.1938	0.0337	0.2274	0.0552	0.0310	0.0862		635.6297	635.6297	4.7800e-003		635.7301
Worker	0.2263	0.3028	3.1981	0.0103	0.8942	6.0900e-003	0.9003	0.2372	5.6400e-003	0.2428		770.5326	770.5326	0.0353		771.2736
Total	**0.4667**	**2.4256**	**6.5015**	**0.0170**	**1.0880**	**0.0398**	**1.1277**	**0.2923**	**0.0366**	**0.3289**		**1,406.1623**	**1,406.1623**	**0.0401**		**1,407.0038**

3.8 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560		1,816.2490	1,816.2490	0.5585		1,827.9782
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2520**	**12.5889**	**12.1441**	**0.0187**		**0.7111**	**0.7111**		**0.6560**	**0.6560**		**1,816.2490**	**1,816.2490**	**0.5585**		**1,827.9782**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0757	0.7995	2.5800e-003	0.2236	1.5200e-003	0.2251	0.0593	1.4100e-003	0.0607		192.6332	192.6332	8.8200e-003		192.8184
Total	**0.0566**	**0.0757**	**0.7995**	**2.5800e-003**	**0.2236**	**1.5200e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**192.6332**	**192.6332**	**8.8200e-003**		**192.8184**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2520	12.5889	12.1441	0.0187		0.7111	0.7111		0.6560	0.6560	0.0000	1,816.2490	1,816.2490	0.5585		1,827.9782
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2520**	**12.5889**	**12.1441**	**0.0187**		**0.7111**	**0.7111**		**0.6560**	**0.6560**	**0.0000**	**1,816.2490**	**1,816.2490**	**0.5585**		**1,827.9782**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0566	0.0757	0.7995	2.5800e-003	0.2236	1.5200e-003	0.2251	0.0593	1.4100e-003	0.0607		192.6332	192.6332	8.8200e-003		192.8184
Total	**0.0566**	**0.0757**	**0.7995**	**2.5800e-003**	**0.2236**	**1.5200e-003**	**0.2251**	**0.0593**	**1.4100e-003**	**0.0607**		**192.6332**	**192.6332**	**8.8200e-003**		**192.8184**

3.9 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	36.6563					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	**36.9227**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**		**281.4481**	**281.4481**	**0.0238**		**281.9473**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0453	0.0606	0.6396	2.0600e-003	0.1788	1.2200e-003	0.1801	0.0474	1.1300e-003	0.0486		154.1065	154.1065	7.0600e-003		154.2547
Total	**0.0453**	**0.0606**	**0.6396**	**2.0600e-003**	**0.1788**	**1.2200e-003**	**0.1801**	**0.0474**	**1.1300e-003**	**0.0486**		**154.1065**	**154.1065**	**7.0600e-003**		**154.2547**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	36.6563					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	**36.9227**	**1.8354**	**1.8413**	**2.9700e-003**		**0.1288**	**0.1288**		**0.1288**	**0.1288**	**0.0000**	**281.4481**	**281.4481**	**0.0238**		**281.9473**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0453	0.0606	0.6396	2.0600e-003	0.1788	1.2200e-003	0.1801	0.0474	1.1300e-003	0.0486		154.1065	154.1065	7.0600e-003		154.2547
Total	**0.0453**	**0.0606**	**0.6396**	**2.0600e-003**	**0.1788**	**1.2200e-003**	**0.1801**	**0.0474**	**1.1300e-003**	**0.0486**		**154.1065**	**154.1065**	**7.0600e-003**		**154.2547**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	13.8822	30.0037	141.1828	0.4475	33.3052	0.4692	33.7744	8.8872	0.4331	9.3203		34,139.9342	34,139.9342	1.2657		34,166.5132
Unmitigated	13.8822	30.0037	141.1828	0.4475	33.3052	0.4692	33.7744	8.8872	0.4331	9.3203		34,139.9342	34,139.9342	1.2657		34,166.5132

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	5,217.88	2,131.57	229.67	12,275,867	12,275,867
Total	5,217.88	2,131.57	229.67	12,275,867	12,275,867

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.508857	0.056420	0.193204	0.150829	0.041936	0.005921	0.015893	0.015805	0.001454	0.002159	0.004747	0.000498	0.002277

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
NaturalGas Unmitigated	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	8247.46	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Total		**0.0889**	**0.8086**	**0.6792**	**4.8500e-003**		**0.0615**	**0.0615**		**0.0615**	**0.0615**		**970.2895**	**970.2895**	**0.0186**	**0.0178**	**976.1945**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	8.24746	0.0889	0.8086	0.6792	4.8500e-003		0.0615	0.0615		0.0615	0.0615		970.2895	970.2895	0.0186	0.0178	976.1945
Total		**0.0889**	**0.8086**	**0.6792**	**4.8500e-003**		**0.0615**	**0.0615**		**0.0615**	**0.0615**		**970.2895**	**970.2895**	**0.0186**	**0.0178**	**976.1945**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	lb/day										lb/day					
Mitigated	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Unmitigated	4.9651	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2051					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8300e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Total	**4.9651**	**1.8000e-004**	**0.0195**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**		**0.0415**	**0.0415**	**1.1000e-004**		**0.0439**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Consumer Products	3.7582					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8300e-003	1.8000e-004	0.0195	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0415	0.0415	1.1000e-004		0.0439
Architectural Coating	1.2051					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	**4.9651**	**1.8000e-004**	**0.0195**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**		**0.0415**	**0.0415**	**1.1000e-004**		**0.0439**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

PROPOSED PROJECT OPERATION

Annual, Summer, and Winter Emissions

OCC Operation 2024 Existing Facilities

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	668.23	1000sqft	15.34	668,231.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	511.48	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - modified per 33%RPS

Land Use - modified

Vehicle Trips - modified

Woodstoves -

Area Coating - modified per SCAQMD Rule 1113

Energy Use - modified

Water And Wastewater - modified

Solid Waste - modified

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	5.23	4.03

tblEnergyUse	NT24E	2.72	2.55
tblEnergyUse	NT24NG	5.21	8.53
tblEnergyUse	T24E	6.10	5.73
tblEnergyUse	T24NG	10.65	17.45
tblProjectCharacteristics	CO2IntensityFactor	630.89	511.48
tblProjectCharacteristics	OperationalYear	2014	2024
tblSolidWaste	SolidWasteGenerationRate	868.70	320.00
tblVehicleTrips	ST_TR	11.23	16.63
tblVehicleTrips	SU_TR	1.21	1.79
tblVehicleTrips	WD_TR	27.49	40.71
tblWater	IndoorWaterUseRate	32,776,034.99	52,808,052.00
tblWater	OutdoorWaterUseRate	51,265,080.37	30,392,736.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1898	8.0000e-005	8.5100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0166	0.0166	4.0000e-005	0.0000	0.0175
Energy	0.0936	0.8510	0.7149	5.1100e-003		0.0647	0.0647		0.0647	0.0647	0.0000	2,834.8724	2,834.8724	0.1260	0.0394	2,849.7229
Mobile	8.3404	16.8234	87.2710	0.3369	24.1900	0.3469	24.5369	6.4651	0.3204	6.7856	0.0000	22,282.1097	22,282.1097	0.7282	0.0000	22,297.4025
Waste						0.0000	0.0000		0.0000	0.0000	64.9571	0.0000	64.9571	3.8389	0.0000	145.5731
Water						0.0000	0.0000		0.0000	0.0000	16.7536	237.8678	254.6213	1.7342	0.0434	304.5008
Total	**11.6237**	**17.6744**	**87.9944**	**0.3420**	**24.1900**	**0.4116**	**24.6016**	**6.4651**	**0.3851**	**6.8503**	**81.7107**	**25,354.8665**	**25,436.5771**	**6.4273**	**0.0828**	**25,597.2168**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1898	8.0000e-005	8.5100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0166	0.0166	4.0000e-005	0.0000	0.0175
Energy	0.0936	0.8510	0.7149	5.1100e-003		0.0647	0.0647		0.0647	0.0647	0.0000	2,834.8724	2,834.8724	0.1260	0.0394	2,849.7229
Mobile	8.3404	16.8234	87.2710	0.3369	24.1900	0.3469	24.5369	6.4651	0.3204	6.7856	0.0000	22,282.1097	22,282.1097	0.7282	0.0000	22,297.4025
Waste						0.0000	0.0000		0.0000	0.0000	64.9571	0.0000	64.9571	3.8389	0.0000	145.5731
Water						0.0000	0.0000		0.0000	0.0000	16.7536	228.1159	244.8695	1.7334	0.0432	294.6752
Total	**11.6237**	**17.6744**	**87.9944**	**0.3420**	**24.1900**	**0.4116**	**24.6016**	**6.4651**	**0.3851**	**6.8503**	**81.7107**	**25,345.1146**	**25,426.8253**	**6.4265**	**0.0826**	**25,587.3911**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.04**	**0.04**	**0.01**	**0.22**	**0.04**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e

Category	tons/yr										MT/yr					
Mitigated	8.3404	16.8234	87.2710	0.3369	24.1900	0.3469	24.5369	6.4651	0.3204	6.7856	0.0000	22,282.1097	22,282.1097	0.7282	0.0000	22,297.4025
Unmitigated	8.3404	16.8234	87.2710	0.3369	24.1900	0.3469	24.5369	6.4651	0.3204	6.7856	0.0000	22,282.1097	22,282.1097	0.7282	0.0000	22,297.4025

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	27,203.68	11,112.68	1196.13	64,000,198	64,000,198
Total	27,203.68	11,112.68	1,196.13	64,000,198	64,000,198

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.501871	0.056875	0.196091	0.152579	0.042282	0.006031	0.016253	0.017122	0.001469	0.002194	0.004230	0.000489	0.002515

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,908.4425	1,908.4425	0.1082	0.0224	1,917.6548
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,908.4425	1,908.4425	0.1082	0.0224	1,917.6548
NaturalGas Mitigated	0.0936	0.8510	0.7149	5.1100e-003		0.0647	0.0647		0.0647	0.0647	0.0000	926.4299	926.4299	0.0178	0.0170	932.0680
NaturalGas Unmitigated	0.0936	0.8510	0.7149	5.1100e-003		0.0647	0.0647		0.0647	0.0647	0.0000	926.4299	926.4299	0.0178	0.0170	932.0680

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	1.73606e+007	0.0936	0.8510	0.7149	5.1100e-003		0.0647	0.0647		0.0647	0.0647	0.0000	926.4299	926.4299	0.0178	0.0170	932.0680
Total		**0.0936**	**0.8510**	**0.7149**	**5.1100e-003**		**0.0647**	**0.0647**		**0.0647**	**0.0647**	**0.0000**	**926.4299**	**926.4299**	**0.0178**	**0.0170**	**932.0680**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	1.73606e+007	0.0936	0.8510	0.7149	5.1100e-003		0.0647	0.0647		0.0647	0.0647	0.0000	926.4299	926.4299	0.0178	0.0170	932.0680
Total		**0.0936**	**0.8510**	**0.7149**	**5.1100e-003**		**0.0647**	**0.0647**		**0.0647**	**0.0647**	**0.0000**	**926.4299**	**926.4299**	**0.0178**	**0.0170**	**932.0680**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	8.22592e+006	1,908.4425	0.1082	0.0224	1,917.6548
Total		**1,908.4425**	**0.1082**	**0.0224**	**1,917.6548**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	8.22592e+006	1,908.4425	0.1082	0.0224	1,917.6548
Total		**1,908.4425**	**0.1082**	**0.0224**	**1,917.6548**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.1898	8.0000e-005	8.5100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0166	0.0166	4.0000e-005	0.0000	0.0175
Unmitigated	3.1898	8.0000e-005	8.5100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0166	0.0166	4.0000e-005	0.0000	0.0175

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7743					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4147					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.9000e-004	8.0000e-005	8.5100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0166	0.0166	4.0000e-005	0.0000	0.0175
Total	**3.1898**	**8.0000e-005**	**8.5100e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0166**	**0.0166**	**4.0000e-005**	**0.0000**	**0.0175**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.7743					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4147					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Landscaping	7.9000e-004	8.0000e-005	8.5100e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0166	0.0166	4.0000e-005	0.0000	0.0175
Total	**3.1898**	**8.0000e-005**	**8.5100e-003**	**0.0000**		**3.0000e-005**	**3.0000e-005**		**3.0000e-005**	**3.0000e-005**	**0.0000**	**0.0166**	**0.0166**	**4.0000e-005**	**0.0000**	**0.0175**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	244.8695	1.7334	0.0432	294.6752
Unmitigated	254.6213	1.7342	0.0434	304.5008

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	52.8081 / 30.3927	254.6213	1.7342	0.0434	304.5008
Total		**254.6213**	**1.7342**	**0.0434**	**304.5008**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	52.8081 / 26.6094	244.8695	1.7334	0.0432	294.6752
Total		**244.8695**	**1.7334**	**0.0432**	**294.6752**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	64.9571	3.8389	0.0000	145.5731
Unmitigated	64.9571	3.8389	0.0000	145.5731

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	320	64.9571	3.8389	0.0000	145.5731
Total		**64.9571**	**3.8389**	**0.0000**	**145.5731**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	320	64.9571	3.8389	0.0000	145.5731
Total		**64.9571**	**3.8389**	**0.0000**	**145.5731**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

OCC Operation 2024 Existing Facilities

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	668.23	1000sqft	15.34	668,231.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	511.48	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - modified per 33%RPS

Land Use - modified

Vehicle Trips - modified

Woodstoves -

Area Coating - modified per SCAQMD Rule 1113

Energy Use - modified

Water And Wastewater - modified

Solid Waste - modified

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	5.23	4.03

tblEnergyUse	NT24E	2.72	2.55
tblEnergyUse	NT24NG	5.21	8.53
tblEnergyUse	T24E	6.10	5.73
tblEnergyUse	T24NG	10.65	17.45
tblProjectCharacteristics	CO2IntensityFactor	630.89	511.48
tblProjectCharacteristics	OperationalYear	2014	2024
tblSolidWaste	SolidWasteGenerationRate	868.70	320.00
tblVehicleTrips	ST_TR	11.23	16.63
tblVehicleTrips	SU_TR	1.21	1.79
tblVehicleTrips	WD_TR	27.49	40.71
tblWater	IndoorWaterUseRate	32,776,034.99	52,808,052.00
tblWater	OutdoorWaterUseRate	51,265,080.37	30,392,736.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.4801	6.2000e-004	0.0681	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004		0.1462	0.1462	3.8000e-004		0.1543
Energy	0.5129	4.6631	3.9170	0.0280		0.3544	0.3544		0.3544	0.3544		5,595.6942	5,595.6942	0.1073	0.1026	5,629.7487
Mobile	59.2188	110.1945	615.3631	2.4593	173.7018	2.4471	176.1489	46.3575	2.2604	48.6179		178,974.2790	178,974.2790	5.6669		179,093.2845
Total	**77.2118**	**114.8582**	**619.3482**	**2.4873**	**173.7018**	**2.8018**	**176.5036**	**46.3575**	**2.6150**	**48.9725**		**184,570.1195**	**184,570.1195**	**5.7746**	**0.1026**	**184,723.1874**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.4801	6.2000e-004	0.0681	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004		0.1462	0.1462	3.8000e-004		0.1543
Energy	0.5129	4.6631	3.9170	0.0280		0.3544	0.3544		0.3544	0.3544		5,595.6942	5,595.6942	0.1073	0.1026	5,629.7487
Mobile	59.2188	110.1945	615.3631	2.4593	173.7018	2.4471	176.1489	46.3575	2.2604	48.6179		178,974.2790	178,974.2790	5.6669		179,093.2845
Total	**77.2118**	**114.8582**	**619.3482**	**2.4873**	**173.7018**	**2.8018**	**176.5036**	**46.3575**	**2.6150**	**48.9725**		**184,570.1195**	**184,570.1195**	**5.7746**	**0.1026**	**184,723.1874**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	59.2188	110.1945	615.3631	2.4593	173.7018	2.4471	176.1489	46.3575	2.2604	48.6179		178,974.2790	178,974.2790	5.6669		179,093.2845
Unmitigated	59.2188	110.1945	615.3631	2.4593	173.7018	2.4471	176.1489	46.3575	2.2604	48.6179		178,974.2790	178,974.2790	5.6669		179,093.2845

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	27,203.68	11,112.68	1196.13	64,000,198	64,000,198
Total	27,203.68	11,112.68	1,196.13	64,000,198	64,000,198

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.501871	0.056875	0.196091	0.152579	0.042282	0.006031	0.016253	0.017122	0.001469	0.002194	0.004230	0.000489	0.002515

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.5129	4.6631	3.9170	0.0280		0.3544	0.3544		0.3544	0.3544		5,595.6942	5,595.6942	0.1073	0.1026	5,629.7487
NaturalGas Unmitigated	0.5129	4.6631	3.9170	0.0280		0.3544	0.3544		0.3544	0.3544		5,595.6942	5,595.6942	0.1073	0.1026	5,629.7487

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	47563.4	0.5129	4.6631	3.9170	0.0280		0.3544	0.3544		0.3544	0.3544		5,595.6942	5,595.6942	0.1073	0.1026	5,629.7487
Total		**0.5129**	**4.6631**	**3.9170**	**0.0280**		**0.3544**	**0.3544**		**0.3544**	**0.3544**		**5,595.6942**	**5,595.6942**	**0.1073**	**0.1026**	**5,629.7487**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	47.5634	0.5129	4.6631	3.9170	0.0280		0.3544	0.3544		0.3544	0.3544		5,595.6942	5,595.6942	0.1073	0.1026	5,629.7487
Total		**0.5129**	**4.6631**	**3.9170**	**0.0280**		**0.3544**	**0.3544**		**0.3544**	**0.3544**		**5,595.6942**	**5,595.6942**	**0.1073**	**0.1026**	**5,629.7487**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.4801	6.2000e-004	0.0681	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004		0.1462	0.1462	3.8000e-004		0.1543
Unmitigated	17.4801	6.2000e-004	0.0681	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004		0.1462	0.1462	3.8000e-004		0.1543

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.2428					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.2310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2900e-003	6.2000e-004	0.0681	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004		0.1462	0.1462	3.8000e-004		0.1543
Total	**17.4801**	**6.2000e-004**	**0.0681**	**1.0000e-005**		**2.4000e-004**	**2.4000e-004**		**2.4000e-004**	**2.4000e-004**		**0.1462**	**0.1462**	**3.8000e-004**		**0.1543**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.2428					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.2310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	6.2900e-003	6.2000e-004	0.0681	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004		0.1462	0.1462	3.8000e-004		0.1543
Total	**17.4801**	**6.2000e-004**	**0.0681**	**1.0000e-005**		**2.4000e-004**	**2.4000e-004**		**2.4000e-004**	**2.4000e-004**		**0.1462**	**0.1462**	**3.8000e-004**		**0.1543**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

OCC Operation 2024 Existing Facilities

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	668.23	1000sqft	15.34	668,231.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	511.48	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - modified per 33%RPS

Land Use - modified

Vehicle Trips - modified

Woodstoves -

Area Coating - modified per SCAQMD Rule 1113

Energy Use - modified

Water And Wastewater - modified

Solid Waste - modified

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	5.23	4.03

tblEnergyUse	NT24E	2.72	2.55
tblEnergyUse	NT24NG	5.21	8.53
tblEnergyUse	T24E	6.10	5.73
tblEnergyUse	T24NG	10.65	17.45
tblProjectCharacteristics	CO2IntensityFactor	630.89	511.48
tblProjectCharacteristics	OperationalYear	2014	2024
tblSolidWaste	SolidWasteGenerationRate	868.70	320.00
tblVehicleTrips	ST_TR	11.23	16.63
tblVehicleTrips	SU_TR	1.21	1.79
tblVehicleTrips	WD_TR	27.49	40.71
tblWater	IndoorWaterUseRate	32,776,034.99	52,808,052.00
tblWater	OutdoorWaterUseRate	51,265,080.37	30,392,736.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.4801	6.2000e-004	0.0681	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004		0.1462	0.1462	3.8000e-004		0.1543
Energy	0.5129	4.6631	3.9170	0.0280		0.3544	0.3544		0.3544	0.3544		5,595.6942	5,595.6942	0.1073	0.1026	5,629.7487
Mobile	62.4281	116.3895	612.9629	2.3488	173.7018	2.4539	176.1557	46.3575	2.2666	48.6241		171,360.9545	171,360.9545	5.6723		171,480.0736
Total	**80.4211**	**121.0532**	**616.9480**	**2.3768**	**173.7018**	**2.8085**	**176.5103**	**46.3575**	**2.6212**	**48.9787**		**176,956.7950**	**176,956.7950**	**5.7800**	**0.1026**	**177,109.9765**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	17.4801	6.2000e-004	0.0681	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004		0.1462	0.1462	3.8000e-004		0.1543
Energy	0.5129	4.6631	3.9170	0.0280		0.3544	0.3544		0.3544	0.3544		5,595.6942	5,595.6942	0.1073	0.1026	5,629.7487
Mobile	62.4281	116.3895	612.9629	2.3488	173.7018	2.4539	176.1557	46.3575	2.2666	48.6241		171,360.9545	171,360.9545	5.6723		171,480.0736
Total	**80.4211**	**121.0532**	**616.9480**	**2.3768**	**173.7018**	**2.8085**	**176.5103**	**46.3575**	**2.6212**	**48.9787**		**176,956.7950**	**176,956.7950**	**5.7800**	**0.1026**	**177,109.9765**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	62.4281	116.3895	612.9629	2.3488	173.7018	2.4539	176.1557	46.3575	2.2666	48.6241		171,360.9545	171,360.9545	5.6723		171,480.0736
Unmitigated	62.4281	116.3895	612.9629	2.3488	173.7018	2.4539	176.1557	46.3575	2.2666	48.6241		171,360.9545	171,360.9545	5.6723		171,480.0736

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	27,203.68	11,112.68	1196.13	64,000,198	64,000,198
Total	27,203.68	11,112.68	1,196.13	64,000,198	64,000,198

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.501871	0.056875	0.196091	0.152579	0.042282	0.006031	0.016253	0.017122	0.001469	0.002194	0.004230	0.000489	0.002515

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.5129	4.6631	3.9170	0.0280		0.3544	0.3544		0.3544	0.3544		5,595.6942	5,595.6942	0.1073	0.1026	5,629.7487
NaturalGas Unmitigated	0.5129	4.6631	3.9170	0.0280		0.3544	0.3544		0.3544	0.3544		5,595.6942	5,595.6942	0.1073	0.1026	5,629.7487

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	47563.4	0.5129	4.6631	3.9170	0.0280		0.3544	0.3544		0.3544	0.3544		5,595.6942	5,595.6942	0.1073	0.1026	5,629.7487
Total		**0.5129**	**4.6631**	**3.9170**	**0.0280**		**0.3544**	**0.3544**		**0.3544**	**0.3544**		**5,595.6942**	**5,595.6942**	**0.1073**	**0.1026**	**5,629.7487**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	47.5634	0.5129	4.6631	3.9170	0.0280		0.3544	0.3544		0.3544	0.3544		5,595.6942	5,595.6942	0.1073	0.1026	5,629.7487
Total		**0.5129**	**4.6631**	**3.9170**	**0.0280**		**0.3544**	**0.3544**		**0.3544**	**0.3544**		**5,595.6942**	**5,595.6942**	**0.1073**	**0.1026**	**5,629.7487**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	17.4801	6.2000e-004	0.0681	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004		0.1462	0.1462	3.8000e-004		0.1543
Unmitigated	17.4801	6.2000e-004	0.0681	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004		0.1462	0.1462	3.8000e-004		0.1543

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.2428					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.2310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.2900e-003	6.2000e-004	0.0681	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004		0.1462	0.1462	3.8000e-004		0.1543
Total	**17.4801**	**6.2000e-004**	**0.0681**	**1.0000e-005**		**2.4000e-004**	**2.4000e-004**		**2.4000e-004**	**2.4000e-004**		**0.1462**	**0.1462**	**3.8000e-004**		**0.1543**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	4.2428					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.2310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Landscaping	6.2900e-003	6.2000e-004	0.0681	1.0000e-005		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004		0.1462	0.1462	3.8000e-004		0.1543
Total	**17.4801**	**6.2000e-004**	**0.0681**	**1.0000e-005**		**2.4000e-004**	**2.4000e-004**		**2.4000e-004**	**2.4000e-004**		**0.1462**	**0.1462**	**3.8000e-004**		**0.1543**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

OCC 2024 Project Operation New Facilities

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	622.96	1000sqft	14.30	622,960.00	0
Enclosed Parking Structure	708.32	1000sqft	4.07	708,320.00	0
Parking Lot	10,919.00	Space	98.27	4,367,600.00	0
Apartments Mid Rise	298.00	Dwelling Unit	3.49	303,688.00	818

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	511.48	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - modified

Land Use - modified

Vehicle Trips - modified

Woodstoves - No fireplaces or woodstoves

Area Coating - modified per SCAQMD 1113

Energy Use -

Water And Wastewater - modified per historical water usage

Solid Waste - Modified per

Energy Mitigation - Assuming 2MW system is 15% efficient and there are 5 hours of sunlight (generation) a day operates 365 days a year

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	253.30	0.00
tblFireplaces	NumberNoFireplace	29.80	0.00
tblFireplaces	NumberWood	14.90	0.00
tblLandUse	LandUseSquareFeet	298,000.00	303,688.00
tblLandUse	LotAcreage	16.26	4.07
tblLandUse	LotAcreage	7.84	3.49
tblLandUse	Population	852.00	818.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	511.48
tblProjectCharacteristics	OperationalYear	2014	2024
tblSolidWaste	SolidWasteGenerationRate	809.85	320.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	11.23	9.51
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	1.21	1.02
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	27.49	23.27
tblWater	IndoorWaterUseRate	30,555,585.29	53,659,068.00
tblWater	OutdoorWaterUseRate	47,792,069.29	30,882,523.00
tblWoodstoves	NumberCatalytic	14.90	0.00
tblWoodstoves	NumberNoncatalytic	14.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	23.6103	0.0368	3.2280	1.7000e-004		0.0176	0.0176		0.0176	0.0176	0.0000	5.3240	5.3240	5.6100e-003	0.0000	5.4418
Energy	0.0671	0.6026	0.4572	3.6600e-003		0.0464	0.0464		0.0464	0.0464	0.0000	4,903.4508	4,903.4508	0.2531	0.0619	4,927.9566
Mobile	4.4444	8.9649	46.5053	0.1795	12.8905	0.1849	13.0753	3.4452	0.1708	3.6159	0.0000	11,873.7729	11,873.7729	0.3881	0.0000	11,881.9222
Waste						0.0000	0.0000		0.0000	0.0000	92.7831	0.0000	92.7831	5.4833	0.0000	207.9329
Water						0.0000	0.0000		0.0000	0.0000	23.1833	331.9054	355.0887	2.4000	0.0601	424.1244
Total	**28.1218**	**9.6043**	**50.1904**	**0.1834**	**12.8905**	**0.2488**	**13.1393**	**3.4452**	**0.2347**	**3.6799**	**115.9664**	**17,114.4531**	**17,230.4195**	**8.5301**	**0.1220**	**17,447.3780**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	23.6103	0.0368	3.2280	1.7000e-004		0.0176	0.0176		0.0176	0.0176	0.0000	5.3240	5.3240	5.6100e-003	0.0000	5.4418
Energy	0.0671	0.6026	0.4572	3.6600e-003		0.0464	0.0464		0.0464	0.0464	0.0000	2,607.3535	2,607.3535	0.1229	0.0350	2,620.7757
Mobile	4.4444	8.9649	46.5053	0.1795	12.8905	0.1849	13.0753	3.4452	0.1708	3.6159	0.0000	11,873.7729	11,873.7729	0.3881	0.0000	11,881.9222
Waste						0.0000	0.0000		0.0000	0.0000	92.7831	0.0000	92.7831	5.4833	0.0000	207.9329

Water						0.0000	0.0000		0.0000	0.0000	23.1833	318.0689	341.2522	2.3988	0.0599	410.1842
Total	**28.1218**	**9.6043**	**50.1904**	**0.1834**	**12.8905**	**0.2488**	**13.1393**	**3.4452**	**0.2347**	**3.6799**	**115.9664**	**14,804.5193**	**14,920.4858**	**8.3986**	**0.0948**	**15,126.2568**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**13.50**	**13.41**	**1.54**	**22.28**	**13.30**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.4444	8.9649	46.5053	0.1795	12.8905	0.1849	13.0753	3.4452	0.1708	3.6159	0.0000	11,873.7729	11,873.7729	0.3881	0.0000	11,881.9222
Unmitigated	4.4444	8.9649	46.5053	0.1795	12.8905	0.1849	13.0753	3.4452	0.1708	3.6159	0.0000	11,873.7729	11,873.7729	0.3881	0.0000	11,881.9222

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking Structure	0.00	0.00	0.00		
Junior College (2Yr)	14,496.28	5,924.35	635.42	34,104,662	34,104,662
Parking Lot	0.00	0.00	0.00		
Total	14,496.28	5,924.35	635.42	34,104,662	34,104,662

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.501871	0.056875	0.196091	0.152579	0.042282	0.006031	0.016253	0.017122	0.001469	0.002194	0.004230	0.000489	0.002515

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,943.1311	1,943.1311	0.1102	0.0228	1,952.5109
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4,239.2284	4,239.2284	0.2404	0.0497	4,259.6918
NaturalGas Mitigated	0.0671	0.6026	0.4572	3.6600e-003		0.0464	0.0464		0.0464	0.0464	0.0000	664.2224	664.2224	0.0127	0.0122	668.2648
NaturalGas Unmitigated	0.0671	0.6026	0.4572	3.6600e-003		0.0464	0.0464		0.0464	0.0464	0.0000	664.2224	664.2224	0.0127	0.0122	668.2648

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.56691e+006	0.0138	0.1183	0.0503	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003	0.0000	136.9802	136.9802	2.6300e-003	2.5100e-003	137.8139
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	9.88015e+006	0.0533	0.4843	0.4068	2.9100e-003		0.0368	0.0368		0.0368	0.0368	0.0000	527.2422	527.2422	0.0101	9.6700e-003	530.4509
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0671**	**0.6026**	**0.4572**	**3.6600e-003**		**0.0464**	**0.0464**		**0.0464**	**0.0464**	**0.0000**	**664.2224**	**664.2224**	**0.0127**	**0.0122**	**668.2648**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	9.88015e+006	0.0533	0.4843	0.4068	2.9100e-003		0.0368	0.0368		0.0368	0.0368	0.0000	527.2422	527.2422	0.0101	9.6700e-003	530.4509
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	2.56691e+006	0.0138	0.1183	0.0503	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003	0.0000	136.9802	136.9802	2.6300e-003	2.5100e-003	137.8139
Total		**0.0671**	**0.6026**	**0.4572**	**3.6600e-003**		**0.0464**	**0.0464**		**0.0464**	**0.0464**	**0.0000**	**664.2224**	**664.2224**	**0.0127**	**0.0122**	**668.2648**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.03669e+006	240.5166	0.0136	2.8200e-003	241.6777
Enclosed Parking Structure	4.6395e+006	1,076.3790	0.0610	0.0126	1,081.5748
Junior College (2Yr)	8.75259e+006	2,030.6304	0.1151	0.0238	2,040.4326
Parking Lot	3.84349e+006	891.7024	0.0506	0.0105	896.0068
Total		**4,239.2284**	**0.2404**	**0.0497**	**4,259.6919**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	-484041	-112.2993	-0.0064	-0.0013	-112.8414
Enclosed Parking Structure	2.146e+006	497.8802	0.0282	5.8400e-003	500.2836
Junior College (2Yr)	5.14856e+006	1,194.4838	0.0677	0.0140	1,200.2498
Parking Lot	1.56492e+006	363.0663	0.0206	4.2600e-003	364.8189
Total		**1,943.1311**	**0.1102**	**0.0228**	**1,952.5109**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	23.6103	0.0368	3.2280	1.7000e-004		0.0176	0.0176		0.0176	0.0176	0.0000	5.3240	5.3240	5.6100e-003	0.0000	5.4418
Unmitigated	23.6103	0.0368	3.2280	1.7000e-004		0.0176	0.0176		0.0176	0.0176	0.0000	5.3240	5.3240	5.6100e-003	0.0000	5.4418

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.8132					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	21.6903					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1068	0.0368	3.2280	1.7000e-004		0.0176	0.0176		0.0176	0.0176	0.0000	5.3240	5.3240	5.6100e-003	0.0000	5.4418
Total	**23.6103**	**0.0368**	**3.2280**	**1.7000e-004**		**0.0176**	**0.0176**		**0.0176**	**0.0176**	**0.0000**	**5.3240**	**5.3240**	**5.6100e-003**	**0.0000**	**5.4418**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.8132					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	21.6903					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1068	0.0368	3.2280	1.7000e-004		0.0176	0.0176		0.0176	0.0176	0.0000	5.3240	5.3240	5.6100e-003	0.0000	5.4418
Total	**23.6103**	**0.0368**	**3.2280**	**1.7000e-004**		**0.0176**	**0.0176**		**0.0176**	**0.0176**	**0.0000**	**5.3240**	**5.3240**	**5.6100e-003**	**0.0000**	**5.4418**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	341.2522	2.3988	0.0599	410.1842
Unmitigated	355.0887	2.4000	0.0601	424.1244

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
Apartments Mid Rise	19.4159 / 12.2405	96.3641	0.6378	0.0160	114.7165
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	53.6591 / 30.8825	258.7246	1.7622	0.0441	309.4079
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**355.0887**	**2.4000**	**0.0601**	**424.1244**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	19.4159 / 10.7167	92.4366	0.6374	0.0159	110.7602
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	53.6591 / 27.0382	248.8156	1.7613	0.0439	299.4240
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**341.2522**	**2.3987**	**0.0599**	**410.1842**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	92.7831	5.4833	0.0000	207.9329
Unmitigated	92.7831	5.4833	0.0000	207.9329

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	137.08	27.8260	1.6445	0.0000	62.3599
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	320	64.9571	3.8389	0.0000	145.5731
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**92.7831**	**5.4833**	**0.0000**	**207.9329**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	137.08	27.8260	1.6445	0.0000	62.3599

Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	320	64.9571	3.8389	0.0000	145.5731
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**92.7831**	**5.4833**	**0.0000**	**207.9329**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

OCC 2024 Project Operation New Facilities

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	622.96	1000sqft	14.30	622,960.00	0
Enclosed Parking Structure	708.32	1000sqft	4.07	708,320.00	0
Parking Lot	10,919.00	Space	98.27	4,367,600.00	0
Apartments Mid Rise	298.00	Dwelling Unit	3.49	303,688.00	818

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	511.48	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - modified

Land Use - modified

Vehicle Trips - modified

Woodstoves - No fireplaces or woodstoves

Area Coating - modified per SCAQMD 1113

Energy Use -

Water And Wastewater - modified per historical water usage

Solid Waste - Modified per

Energy Mitigation - Assuming 2MW system is 15% efficient and there are 5 hours of sunlight (generation) a day operates 365 days a year

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	253.30	0.00
tblFireplaces	NumberNoFireplace	29.80	0.00
tblFireplaces	NumberWood	14.90	0.00
tblLandUse	LandUseSquareFeet	298,000.00	303,688.00
tblLandUse	LotAcreage	16.26	4.07
tblLandUse	LotAcreage	7.84	3.49
tblLandUse	Population	852.00	818.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	511.48
tblProjectCharacteristics	OperationalYear	2014	2024
tblSolidWaste	SolidWasteGenerationRate	809.85	320.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	11.23	9.51
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	1.21	1.02
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	27.49	23.27
tblWater	IndoorWaterUseRate	30,555,585.29	53,659,068.00
tblWater	OutdoorWaterUseRate	47,792,069.29	30,882,523.00
tblWoodstoves	NumberCatalytic	14.90	0.00
tblWoodstoves	NumberNoncatalytic	14.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	129.6405	0.2945	25.8238	1.3900e-003		0.1407	0.1407		0.1407	0.1407	0.0000	46.9496	46.9496	0.0495	0.0000	47.9886
Energy	0.3678	3.3019	2.5050	0.0201		0.2541	0.2541		0.2541	0.2541		4,011.9446	4,011.9446	0.0769	0.0736	4,036.3606
Mobile	31.5565	58.7204	327.9143	1.3105	92.5621	1.3040	93.8661	24.7030	1.2045	25.9075		95,371.6826	95,371.6826	3.0198		95,435.0982
Total	**161.5647**	**62.3168**	**356.2430**	**1.3320**	**92.5621**	**1.6988**	**94.2609**	**24.7030**	**1.5993**	**26.3022**	**0.0000**	**99,430.5768**	**99,430.5768**	**3.1462**	**0.0736**	**99,519.4473**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	129.6405	0.2945	25.8238	1.3900e-003		0.1407	0.1407		0.1407	0.1407	0.0000	46.9496	46.9496	0.0495	0.0000	47.9886
Energy	0.3678	3.3019	2.5050	0.0201		0.2541	0.2541		0.2541	0.2541		4,011.9446	4,011.9446	0.0769	0.0736	4,036.3606
Mobile	31.5565	58.7204	327.9143	1.3105	92.5621	1.3040	93.8661	24.7030	1.2045	25.9075		95,371.6826	95,371.6826	3.0198		95,435.0982
Total	**161.5647**	**62.3168**	**356.2430**	**1.3320**	**92.5621**	**1.6988**	**94.2609**	**24.7030**	**1.5993**	**26.3022**	**0.0000**	**99,430.5768**	**99,430.5768**	**3.1462**	**0.0736**	**99,519.4473**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e

Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	31.5565	58.7204	327.9143	1.3105	92.5621	1.3040	93.8661	24.7030	1.2045	25.9075		95,371.6826	95,371.6826	3.0198		95,435.0982
Unmitigated	31.5565	58.7204	327.9143	1.3105	92.5621	1.3040	93.8661	24.7030	1.2045	25.9075		95,371.6826	95,371.6826	3.0198		95,435.0982

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking Structure	0.00	0.00	0.00		
Junior College (2Yr)	14,496.28	5,924.35	635.42	34,104,662	34,104,662
Parking Lot	0.00	0.00	0.00		
Total	14,496.28	5,924.35	635.42	34,104,662	34,104,662

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.501871	0.056875	0.196091	0.152579	0.042282	0.006031	0.016253	0.017122	0.001469	0.002194	0.004230	0.000489	0.002515

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3678	3.3019	2.5050	0.0201		0.2541	0.2541		0.2541	0.2541		4,011.9446	4,011.9446	0.0769	0.0736	4,036.3606
NaturalGas Unmitigated	0.3678	3.3019	2.5050	0.0201		0.2541	0.2541		0.2541	0.2541		4,011.9446	4,011.9446	0.0769	0.0736	4,036.3606

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	7032.64	0.0758	0.6481	0.2758	4.1400e-003		0.0524	0.0524		0.0524	0.0524		827.3690	827.3690	0.0159	0.0152	832.4043

Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	27068.9	0.2919	2.6538	2.2292	0.0159		0.2017	0.2017		0.2017	0.2017		3,184.5755	3,184.5755	0.0610	0.0584	3,203.9563
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.3678**	**3.3019**	**2.5050**	**0.0201**		**0.2541**	**0.2541**		**0.2541**	**0.2541**		**4,011.9446**	**4,011.9446**	**0.0769**	**0.0736**	**4,036.3606**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	7.03264	0.0758	0.6481	0.2758	4.1400e-003		0.0524	0.0524		0.0524	0.0524		827.3690	827.3690	0.0159	0.0152	832.4043
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	27.0689	0.2919	2.6538	2.2292	0.0159		0.2017	0.2017		0.2017	0.2017		3,184.5755	3,184.5755	0.0610	0.0584	3,203.9563
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.3678**	**3.3019**	**2.5050**	**0.0201**		**0.2541**	**0.2541**		**0.2541**	**0.2541**		**4,011.9446**	**4,011.9446**	**0.0769**	**0.0736**	**4,036.3606**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	129.6405	0.2945	25.8238	1.3900e-003		0.1407	0.1407		0.1407	0.1407	0.0000	46.9496	46.9496	0.0495	0.0000	47.9886

Unmitigated	129.6405	0.2945	25.8238	1.3900e-003		0.1407	0.1407		0.1407	0.1407	0.0000	46.9496	46.9496	0.0495	0.0000	47.9886

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	9.9354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	118.8509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8542	0.2945	25.8238	1.3900e-003		0.1407	0.1407		0.1407	0.1407		46.9496	46.9496	0.0495		47.9886
Total	**129.6405**	**0.2945**	**25.8238**	**1.3900e-003**		**0.1407**	**0.1407**		**0.1407**	**0.1407**	**0.0000**	**46.9496**	**46.9496**	**0.0495**	**0.0000**	**47.9886**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	9.9354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	118.8509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8542	0.2945	25.8238	1.3900e-003		0.1407	0.1407		0.1407	0.1407		46.9496	46.9496	0.0495		47.9886

Total	**129.6405**	**0.2945**	**25.8238**	**1.3900e-003**		**0.1407**	**0.1407**		**0.1407**	**0.1407**	**0.0000**	**46.9496**	**46.9496**	**0.0495**	**0.0000**	**47.9886**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

OCC 2024 Project Operation New Facilities

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	622.96	1000sqft	14.30	622,960.00	0
Enclosed Parking Structure	708.32	1000sqft	4.07	708,320.00	0
Parking Lot	10,919.00	Space	98.27	4,367,600.00	0
Apartments Mid Rise	298.00	Dwelling Unit	3.49	303,688.00	818

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	511.48	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - modified

Land Use - modified

Vehicle Trips - modified

Woodstoves - No fireplaces or woodstoves

Area Coating - modified per SCAQMD 1113

Energy Use -

Water And Wastewater - modified per historical water usage

Solid Waste - Modified per

Energy Mitigation - Assuming 2MW system is 15% efficient and there are 5 hours of sunlight (generation) a day operates 365 days a year

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	253.30	0.00
tblFireplaces	NumberNoFireplace	29.80	0.00
tblFireplaces	NumberWood	14.90	0.00
tblLandUse	LandUseSquareFeet	298,000.00	303,688.00
tblLandUse	LotAcreage	16.26	4.07
tblLandUse	LotAcreage	7.84	3.49
tblLandUse	Population	852.00	818.00
tblProjectCharacteristics	CO2IntensityFactor	630.89	511.48
tblProjectCharacteristics	OperationalYear	2014	2024
tblSolidWaste	SolidWasteGenerationRate	809.85	320.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	11.23	9.51
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	1.21	1.02
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	27.49	23.27
tblWater	IndoorWaterUseRate	30,555,585.29	53,659,068.00
tblWater	OutdoorWaterUseRate	47,792,069.29	30,882,523.00
tblWoodstoves	NumberCatalytic	14.90	0.00
tblWoodstoves	NumberNoncatalytic	14.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	129.6405	0.2945	25.8238	1.3900e-003		0.1407	0.1407		0.1407	0.1407	0.0000	46.9496	46.9496	0.0495	0.0000	47.9886
Energy	0.3678	3.3019	2.5050	0.0201		0.2541	0.2541		0.2541	0.2541		4,011.9446	4,011.9446	0.0769	0.0736	4,036.3606
Mobile	33.2666	62.0216	326.6352	1.2517	92.5621	1.3076	93.8697	24.7030	1.2078	25.9108		91,314.6999	91,314.6999	3.0227		91,378.1759
Total	**163.2749**	**65.6180**	**354.9640**	**1.2731**	**92.5621**	**1.7024**	**94.2644**	**24.7030**	**1.6026**	**26.3055**	**0.0000**	**95,373.5940**	**95,373.5940**	**3.1490**	**0.0736**	**95,462.5251**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	129.6405	0.2945	25.8238	1.3900e-003		0.1407	0.1407		0.1407	0.1407	0.0000	46.9496	46.9496	0.0495	0.0000	47.9886
Energy	0.3678	3.3019	2.5050	0.0201		0.2541	0.2541		0.2541	0.2541		4,011.9446	4,011.9446	0.0769	0.0736	4,036.3606
Mobile	33.2666	62.0216	326.6352	1.2517	92.5621	1.3076	93.8697	24.7030	1.2078	25.9108		91,314.6999	91,314.6999	3.0227		91,378.1759
Total	**163.2749**	**65.6180**	**354.9640**	**1.2731**	**92.5621**	**1.7024**	**94.2644**	**24.7030**	**1.6026**	**26.3055**	**0.0000**	**95,373.5940**	**95,373.5940**	**3.1490**	**0.0736**	**95,462.5251**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**

Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	33.2666	62.0216	326.6352	1.2517	92.5621	1.3076	93.8697	24.7030	1.2078	25.9108		91,314.6999	91,314.6999	3.0227		91,378.1759
Unmitigated	33.2666	62.0216	326.6352	1.2517	92.5621	1.3076	93.8697	24.7030	1.2078	25.9108		91,314.6999	91,314.6999	3.0227		91,378.1759

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking Structure	0.00	0.00	0.00		
Junior College (2Yr)	14,496.28	5,924.35	635.42	34,104,662	34,104,662
Parking Lot	0.00	0.00	0.00		
Total	14,496.28	5,924.35	635.42	34,104,662	34,104,662

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1

Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.501871	0.056875	0.196091	0.152579	0.042282	0.006031	0.016253	0.017122	0.001469	0.002194	0.004230	0.000489	0.002515

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3678	3.3019	2.5050	0.0201		0.2541	0.2541		0.2541	0.2541		4,011.9446	4,011.9446	0.0769	0.0736	4,036.3606
NaturalGas Unmitigated	0.3678	3.3019	2.5050	0.0201		0.2541	0.2541		0.2541	0.2541		4,011.9446	4,011.9446	0.0769	0.0736	4,036.3606

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

Apartments Mid Rise	7032.64	0.0758	0.6481	0.2758	4.1400e-003		0.0524	0.0524		0.0524	0.0524		827.3690	827.3690	0.0159	0.0152	832.4043
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	27068.9	0.2919	2.6538	2.2292	0.0159		0.2017	0.2017		0.2017	0.2017		3,184.5755	3,184.5755	0.0610	0.0584	3,203.9563
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.3678**	**3.3019**	**2.5050**	**0.0201**		**0.2541**	**0.2541**		**0.2541**	**0.2541**		**4,011.9446**	**4,011.9446**	**0.0769**	**0.0736**	**4,036.3606**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	7.03264	0.0758	0.6481	0.2758	4.1400e-003		0.0524	0.0524		0.0524	0.0524		827.3690	827.3690	0.0159	0.0152	832.4043
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	27.0689	0.2919	2.6538	2.2292	0.0159		0.2017	0.2017		0.2017	0.2017		3,184.5755	3,184.5755	0.0610	0.0584	3,203.9563
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.3678**	**3.3019**	**2.5050**	**0.0201**		**0.2541**	**0.2541**		**0.2541**	**0.2541**		**4,011.9446**	**4,011.9446**	**0.0769**	**0.0736**	**4,036.3606**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Mitigated	129.6405	0.2945	25.8238	1.3900e-003		0.1407	0.1407		0.1407	0.1407	0.0000	46.9496	46.9496	0.0495	0.0000	47.9886
Unmitigated	129.6405	0.2945	25.8238	1.3900e-003		0.1407	0.1407		0.1407	0.1407	0.0000	46.9496	46.9496	0.0495	0.0000	47.9886

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	9.9354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	118.8509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.8542	0.2945	25.8238	1.3900e-003		0.1407	0.1407		0.1407	0.1407		46.9496	46.9496	0.0495		47.9886
Total	**129.6405**	**0.2945**	**25.8238**	**1.3900e-003**		**0.1407**	**0.1407**		**0.1407**	**0.1407**	**0.0000**	**46.9496**	**46.9496**	**0.0495**	**0.0000**	**47.9886**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	9.9354					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	118.8509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Landscaping	0.8542	0.2945	25.8238	1.3900e-003		0.1407	0.1407		0.1407	0.1407		46.9496	46.9496	0.0495		47.9886
Total	**129.6405**	**0.2945**	**25.8238**	**1.3900e-003**		**0.1407**	**0.1407**		**0.1407**	**0.1407**	**0.0000**	**46.9496**	**46.9496**	**0.0495**	**0.0000**	**47.9886**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

BAU CALCULATIONS

Annual, Summer, and Winter Emissions

OCC BAU

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	708.32	1000sqft	16.26	708,320.00	0
Parking Lot	10,919.00	Space	98.27	4,367,600.00	0
Apartments Mid Rise	298.00	Dwelling Unit	3.49	303,688.00	818
Junior College (2Yr)	1,291.19	1000sqft	29.64	1,291,191.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	30
Climate Zone	8			**Operational Year**	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Land Use - Modified

Vehicle Trips - modifed per Traffic Study

Vechicle Emission Factors - Non-Pavley Emission Factors

Vechicle Emission Factors - Modified per Non-Pavley Emission Factors

Vechicle Emission Factors - Modified per Non-Pavley Emissions Factors

Woodstoves - No fireplaces

Energy Use - Modified per 2005-2006 energy use

Water And Wastewater - modified

Solid Waste - modified per projected waste use

Energy Mitigation - Solar PV

Water Mitigation - Outdoor Irrigation Recycled Water

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	5.23	3.23
tblEnergyUse	NT24E	2.72	2.14
tblEnergyUse	NT24NG	5.21	8.18
tblEnergyUse	T24E	6.10	4.80
tblEnergyUse	T24NG	10.65	16.72
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	253.30	0.00
tblFireplaces	NumberNoFireplace	29.80	0.00
tblFireplaces	NumberWood	14.90	0.00
tblLandUse	LandUseSquareFeet	298,000.00	303,688.00
tblLandUse	LandUseSquareFeet	1,291,190.00	1,291,191.00
tblLandUse	LotAcreage	7.84	3.49
tblLandUse	Population	852.00	818.00
tblProjectCharacteristics	OperationalYear	2014	2024
tblSolidWaste	SolidWasteGenerationRate	1,678.55	640.00
tblVehicleEF	LDA	223.83	349.76
tblVehicleEF	LDA	48.65	73.88
tblVehicleEF	LDA	233.25	364.55
tblVehicleEF	LDA	48.65	73.88
tblVehicleEF	LDA	220.36	344.30
tblVehicleEF	LDA	48.65	73.88
tblVehicleEF	LDT1	276.78	405.12
tblVehicleEF	LDT1	60.22	85.21
tblVehicleEF	LDT1	287.84	421.45

tblVehicleEF	LDT1	60.22	85.21
tblVehicleEF	LDT1	272.69	399.10
tblVehicleEF	LDT1	60.22	85.21
tblVehicleEF	LDT2	341.17	475.84
tblVehicleEF	LDT2	73.59	100.77
tblVehicleEF	LDT2	355.13	495.37
tblVehicleEF	LDT2	73.59	100.77
tblVehicleEF	LDT2	336.01	468.63
tblVehicleEF	LDT2	73.59	100.77
tblVehicleEF	MDV	459.38	608.09
tblVehicleEF	MDV	98.86	128.09
tblVehicleEF	MDV	477.98	632.81
tblVehicleEF	MDV	98.86	128.09
tblVehicleEF	MDV	452.52	598.97
tblVehicleEF	MDV	98.86	128.09
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	11.23	13.19
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	1.21	1.42
tblVehicleTrips	WD_TR	6.59	0.00
tblVehicleTrips	WD_TR	27.49	32.29
tblWater	IndoorWaterUseRate	63,331,620.27	106,467,120.00
tblWater	OutdoorWaterUseRate	99,057,149.66	61,275,259.00
tblWoodstoves	NumberCatalytic	14.90	0.00
tblWoodstoves	NumberNoncatalytic	14.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	26.8000	0.0369	3.2365	1.7000e-004		0.0176	0.0176		0.0176	0.0176	0.0000	5.3406	5.3406	5.6500e-003	0.0000	5.4593
Energy	0.1872	1.6943	1.3742	0.0102		0.1293	0.1293		0.1293	0.1293	0.0000	8,334.6539	8,334.6539	0.3335	0.0956	8,371.2963
Mobile	12.7825	25.7835	133.7519	0.5163	37.0737	0.5317	37.6054	9.9085	0.4911	10.3996	0.0000	46,148.4108	46,148.4108	1.1161	0.0000	46,171.8486
Waste						0.0000	0.0000		0.0000	0.0000	157.7402	0.0000	157.7402	9.3222	0.0000	353.5060
Water						0.0000	0.0000		0.0000	0.0000	39.9369	702.7922	742.7291	4.1342	0.1035	861.6444
Total	**39.7697**	**27.5147**	**138.3626**	**0.5267**	**37.0737**	**0.6786**	**37.7523**	**9.9085**	**0.6380**	**10.5465**	**197.6771**	**55,191.1975**	**55,388.8746**	**14.9116**	**0.1992**	**55,763.7545**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	26.8000	0.0369	3.2365	1.7000e-004		0.0176	0.0176		0.0176	0.0176	0.0000	5.3406	5.3406	5.6500e-003	0.0000	5.4593
Energy	0.1872	1.6943	1.3742	0.0102		0.1293	0.1293		0.1293	0.1293	0.0000	6,914.3180	6,914.3180	0.2682	0.0821	6,945.4019

Mobile	12.7825	25.7835	133.7519	0.5163	37.0737	0.5317	37.6054	9.9085	0.4911	10.3996	0.0000	46,148.4108	46,148.4108	1.1161	0.0000	46,171.8486
Waste						0.0000	0.0000		0.0000	0.0000	157.7402	0.0000	157.7402	9.3222	0.0000	353.5060
Water						0.0000	0.0000		0.0000	0.0000	39.9369	673.6970	713.6339	4.1321	0.1031	832.3716
Total	**39.7697**	**27.5147**	**138.3626**	**0.5267**	**37.0737**	**0.6786**	**37.7523**	**9.9085**	**0.6380**	**10.5465**	**197.6771**	**53,741.7664**	**53,939.4435**	**14.8442**	**0.1852**	**54,308.5873**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**2.63**	**2.62**	**0.45**	**7.00**	**2.61**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	12.7825	25.7835	133.7519	0.5163	37.0737	0.5317	37.6054	9.9085	0.4911	10.3996	0.0000	46,148.4108	46,148.4108	1.1161	0.0000	46,171.8486
Unmitigated	12.7825	25.7835	133.7519	0.5163	37.0737	0.5317	37.6054	9.9085	0.4911	10.3996	0.0000	46,148.4108	46,148.4108	1.1161	0.0000	46,171.8486

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking Structure	0.00	0.00	0.00		
Junior College (2Yr)	41,692.53	17,030.80	1833.49	98,086,959	98,086,959

Parking Lot	0.00	0.00	0.00		
Total	41,692.53	17,030.80	1,833.49	98,086,959	98,086,959

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.501871	0.056875	0.196091	0.152579	0.042282	0.006031	0.016253	0.017122	0.001469	0.002194	0.004230	0.000489	0.002515

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,061.6564	5,061.6564	0.2327	0.0481	5,081.4653
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	6,481.9922	6,481.9922	0.2980	0.0617	6,507.3596
NaturalGas Mitigated	0.1872	1.6943	1.3742	0.0102		0.1293	0.1293		0.1293	0.1293	0.0000	1,852.6617	1,852.6617	0.0355	0.0340	1,863.9367
NaturalGas Unmitigated	0.1872	1.6943	1.3742	0.0102		0.1293	0.1293		0.1293	0.1293	0.0000	1,852.6617	1,852.6617	0.0355	0.0340	1,863.9367

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	2.56691e+006	0.0138	0.1183	0.0503	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003	0.0000	136.9802	136.9802	2.6300e-003	2.5100e-003	137.8139
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	3.21507e+007	0.1734	1.5760	1.3239	9.4600e-003		0.1198	0.1198		0.1198	0.1198	0.0000	1,715.6814	1,715.6814	0.0329	0.0315	1,726.1228
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.1872**	**1.6943**	**1.3742**	**0.0102**		**0.1293**	**0.1293**		**0.1293**	**0.1293**	**0.0000**	**1,852.6617**	**1,852.6617**	**0.0355**	**0.0340**	**1,863.9367**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	3.21507e+007	0.1734	1.5760	1.3239	9.4600e-003		0.1198	0.1198		0.1198	0.1198	0.0000	1,715.6814	1,715.6814	0.0329	0.0315	1,726.1228
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Apartments Mid Rise	2.56691e+006	0.0138	0.1183	0.0503	7.5000e-004		9.5600e-003	9.5600e-003		9.5600e-003	9.5600e-003	0.0000	136.9802	136.9802	2.6300e-003	2.5100e-003	137.8139
Total		**0.1872**	**1.6943**	**1.3742**	**0.0102**		**0.1293**	**0.1293**		**0.1293**	**0.1293**	**0.0000**	**1,852.6617**	**1,852.6617**	**0.0355**	**0.0340**	**1,863.9367**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.03669e+006	296.6676	0.0136	2.8200e-003	297.8286
Enclosed Parking Structure	4.6395e+006	1,327.6701	0.0610	0.0126	1,332.8660
Junior College (2Yr)	1.31314e+007	3,757.7755	0.1727	0.0357	3,772.4816
Parking Lot	3.84349e+006	1,099.8790	0.0506	0.0105	1,104.1834
Total		**6,481.9922**	**0.2980**	**0.0617**	**6,507.3596**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	-204134	-58.4164	-0.0027	-0.0006	-58.6450
Enclosed Parking Structure	3.39867e+006	972.5862	0.0447	9.2500e-003	976.3924
Junior College (2Yr)	1.18906e+007	3,402.6915	0.1564	0.0324	3,416.0080
Parking Lot	2.60266e+006	744.7951	0.0342	7.0800e-003	747.7098
Total		**5,061.6564**	**0.2327**	**0.0481**	**5,081.4653**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	26.8000	0.0369	3.2365	1.7000e-004		0.0176	0.0176		0.0176	0.0176	0.0000	5.3406	5.3406	5.6500e-003	0.0000	5.4593
Unmitigated	26.8000	0.0369	3.2365	1.7000e-004		0.0176	0.0176		0.0176	0.0176	0.0000	5.3406	5.3406	5.6500e-003	0.0000	5.4593

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.5875					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	24.1049					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1076	0.0369	3.2365	1.7000e-004		0.0176	0.0176		0.0176	0.0176	0.0000	5.3406	5.3406	5.6500e-003	0.0000	5.4593
Total	**26.8000**	**0.0369**	**3.2365**	**1.7000e-004**		**0.0176**	**0.0176**		**0.0176**	**0.0176**	**0.0000**	**5.3406**	**5.3406**	**5.6500e-003**	**0.0000**	**5.4593**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.5875					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	24.1049					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1076	0.0369	3.2365	1.7000e-004		0.0176	0.0176		0.0176	0.0176	0.0000	5.3406	5.3406	5.6500e-003	0.0000	5.4593
Total	**26.8000**	**0.0369**	**3.2365**	**1.7000e-004**		**0.0176**	**0.0176**		**0.0176**	**0.0176**	**0.0000**	**5.3406**	**5.3406**	**5.6500e-003**	**0.0000**	**5.4593**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Reclaimed Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	713.6339	4.1321	0.1031	832.3716
Unmitigated	742.7291	4.1342	0.1035	861.6444

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
Apartments Mid Rise	19.4159 / 12.2405	117.4232	0.6378	0.0160	135.7756
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	106.467 / 61.2753	625.3060	3.4964	0.0875	725.8688
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**742.7291**	**4.1342**	**0.1035**	**861.6444**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	19.4159 / 10.7167	112.5788	0.6374	0.0159	130.9024
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	106.467 / 53.6476	601.0551	3.4947	0.0872	701.4692
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**713.6339**	**4.1321**	**0.1031**	**832.3716**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	157.7402	9.3222	0.0000	353.5060
Unmitigated	157.7402	9.3222	0.0000	353.5060

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	137.08	27.8260	1.6445	0.0000	62.3599
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	640	129.9142	7.6777	0.0000	291.1461
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**157.7402**	**9.3222**	**0.0000**	**353.5060**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	137.08	27.8260	1.6445	0.0000	62.3599

Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Junior College (2Yr)	640	129.9142	7.6777	0.0000	291.1461
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**157.7402**	**9.3222**	**0.0000**	**353.5060**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Vegetation

CO HOTSPOT ANALYSIS

EMFAC 2014 Emission Factors County of Orange 2024

Region	CalYr	VehClass	MdlYr	Speed	Fuel	VMT	CO_RUNEX
Orange	2024	HHDT	Aggregated	5	GAS	63.95251	51.58404
Orange	2024	HHDT	Aggregated	5	DSL	6665.182	19.55561
Orange	2024	LDA	Aggregated	5	GAS	147760.8	0.925395
Orange	2024	LDA	Aggregated	5	DSL	1791.616	3.038197
Orange	2024	LDT1	Aggregated	5	GAS	12239.52	1.730504
Orange	2024	LDT1	Aggregated	5	DSL	7.521154	2.896928
Orange	2024	LDT2	Aggregated	5	GAS	59648.25	1.128365
Orange	2024	LDT2	Aggregated	5	DSL	125.9565	2.419218
Orange	2024	LHDT1	Aggregated	5	GAS	1942.387	1.885948
Orange	2024	LHDT1	Aggregated	5	DSL	1553.845	3.175802
Orange	2024	LHDT2	Aggregated	5	GAS	577.6493	0.563189
Orange	2024	LHDT2	Aggregated	5	DSL	736.6009	2.994992
Orange	2024	MCY	Aggregated	5	GAS	1414.638	44.60201
Orange	2024	MDV	Aggregated	5	GAS	30252.32	1.743089
Orange	2024	MDV	Aggregated	5	DSL	702.8624	3.366115
Orange	2024	MH	Aggregated	5	GAS	189.4189	3.931301
Orange	2024	MH	Aggregated	5	DSL	45.37947	2.280226
Orange	2024	MHDT	Aggregated	5	GAS	639.4457	1.95249
Orange	2024	MHDT	Aggregated	5	DSL	5169.361	1.271469
Orange	2024	OBUS	Aggregated	5	GAS	265.1758	0.95399
Orange	2024	OBUS	Aggregated	5	DSL	178.4958	2.018957
Orange	2024	SBUS	Aggregated	5	GAS	170.8921	3.132314
Orange	2024	SBUS	Aggregated	5	DSL	324.5442	1.346628
Orange	2024	UBUS	Aggregated	5	GAS	811.8853	7.683666
Orange	2024	UBUS	Aggregated	5	DSL	958.2244	40.93816
						Composite	**2.004397**

CL4 Assumptions

Harbor Boulevard & Victoria Street

2024 Existing Plus Project

Job Parameters

File Name	HB & VS (PM)
Job	Orange Coast College
Run type	Worst-case wind angle
Aerodynamic roughness coefficient	Suburban
Link/Receptor Geometry	feet
Altitude above sea level (ft)	86
Number of links	16
Number of receptors	4
Averaging interval	1 hour

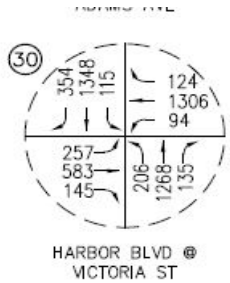
Link geometry

Link name	link type	endpoint 1 coordinate x	endpoint 1 coordinate y	endpoint 2 coordinate x	endpoint 2 coordinate y	link height	mixing zone width
WBRA	at-grade	500	48	24	48	0	33
WBTA	at-grade	500	24	0	24	0	33
WBLA	at-grade	500	0	-24	0	0	33
WBD	at-grade	500	-24	0	-24	0	33
EBLA	at-grade	24	0	-500	0	0	33
EBTA	at-grade	0	-24	-500	-24	0	33
EBRA	at-grade	-24	-50	-500	-50	0	33
EBD	at-grade	0	24	-500	24	0	33
NBLA	at-grade	0	0	0	-500	0	33
NBTA	at-grade	24	0	24	-500	0	33
NBRA	at-grade	48	-24	48	-500	0	33
NBD	at-grade	-24	0	-24	-500	0	33
SBLA	at-grade	0	500	0	0	0	33
SBTA	at-grade	-24	500	-24	0	0	33
SBRA	at-grade	-50	24	-50	500	0	33
SBD	at-grade	24	500	24	0	0	33

Link activity

Link/run	Traffic volume	Emission factor
EBLA	257	2.00

EBTA	583	2.00
EBRA	145	2.00
EBD	1866	2.00
WBLA	94	2.00
WBTA	1306	2.00
WBRA	124	2.00
WBD	833	2.00
NBLA	206	2.00
NBTA	1268	2.00
NBRA	135	2.00
NBD	1587	2.00
SBLA	115	2.00
SBTA	1348	2.00
SBRA	354	2.00
SBD	1649	2.00



Run conditions

Run:	Hour 1
Wind speed (m/s)	1
Wind direction (degrees)	0
Wind direction standard deviation (degrees)	10
Atmospheric stability class (1-7)	7
Mixing height (m)	1000 meters
Ambient temperature (degrees Celsius)	4.4
Ambient pollutant concentration	2.9

Receptor positions

Receptor list - name	x	y	z
Receptor S1	-60	60	5.9
Receptor S2	60	60	5.9
Receptor S3	-60	-60	5.9
Receptor S4	60	-60	5.9

EMFAC Assumptions

Veh type, Veh tech	all, all
Speed	10 mph
Year	2024

IV. Model Results Worst Case Wind Angle

PRED

	RECEPTOR	BRG (DEG)	CONC (PPM)
1	Recpt **S1**	162	3.3
2	Recpt **S2**	254	3.3
3	Recpt **S3**	16	3.3
4	Recpt **S4**	342	3.3

	RECEPTOR	1-HOUR	8-HOUR		
			Persistence Factor		
			0.8	0.7	0.6
1	Recpt S1	3.3	2.64	2.31	1.98
2	Recpt S2	3.3	2.64	2.31	1.98
3	Recpt S3	3.3	2.64	2.31	1.98
4	Recpt S4	3.3	2.64	2.31	1.98

Generalized persistence factors (CO Protocol, Table B.15)
0.6: Rural and suburban
0.7: Urban locations
0.8: Urban sites with a recognized tendency for persistent stagnant meteorological conditions and/or persistent traffic congestion

CL4 Assumptions

Harbor Boulevard & Adams Avenue

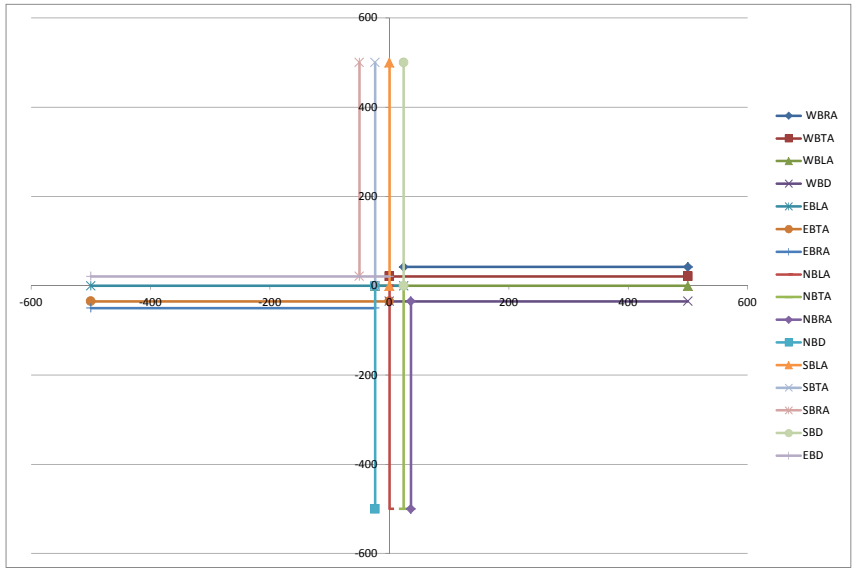
2024 Existing Plus Project

Job Parameters

File Name	HB & AA (PM)
Job	Orange Coast College
Run type	Worst-case wind angle
Aerodynamic roughness coefficient	Suburban
Link/Receptor Geometry	feet
Altitude above sea level (ft)	64
Number of links	16
Number of receptors	4
Averaging interval	1 hour

Link geometry

Link name	link type	endpoint 1 coordinate x	endpoint 1 coordinate y	endpoint 2 coordinate x	endpoint 2 coordinate y	link height	mixing zone width
WBRA	at-grade	500	42	24	42	0	33
WBTA	at-grade	500	21	0	21	0	33
WBLA	at-grade	500	0	-24	0	0	33
WBD	at-grade	500	-35	0	-35	0	33
EBLA	at-grade	24	0	-500	0	0	33
EBTA	at-grade	0	-35	-500	-35	0	33
EBRA	at-grade	-24	-50	-500	-50	0	33
EBD	at-grade	0	21	-500	21	0	33
NBLA	at-grade	0	0	0	-500	0	33
NBTA	at-grade	24	0	24	-500	0	33
NBRA	at-grade	36	-35	36	-500	0	33
NBD	at-grade	-24	0	-24	-500	0	33
SBLA	at-grade	0	500	0	0	0	33
SBTA	at-grade	-24	500	-24	0	0	33
SBRA	at-grade	-50	21	-50	500	0	33
SBD	at-grade	24	500	24	0	0	33



Link activity

Link/run	Traffic volume	Emission factor
EBLA	380	2.00
EBTA	718	2.00
EBRA	137	2.00
EBD	2643	2.00
WBLA	161	2.00
WBTA	1309	2.00
WBRA	225	2.00
WBD	1020	2.00
NBLA	489	2.00
NBTA	1914	2.00
NBRA	90	2.00
NBD	2188	2.00
SBLA	212	2.00
SBTA	1890	2.00
SBRA	845	2.00
SBD	2519	2.00

Run conditions

Run:	Hour 1
Wind speed (m/s)	1
Wind direction (degrees)	0
Wind direction standard deviation (degrees)	10
Atmospheric stability class (1-7)	7
Mixing height (m)	1000 meters
Ambient temperature (degrees Celsius)	4.4
Ambient pollutant concentration	2.9

Receptor positions

Receptor list - name	x	y	z

Receptor S1	-75	65	5.9
Receptor S2	65	65	5.9
Receptor S3	-75	-65	5.9
Receptor S4	65	-65	5.9

EMFAC Assumptions

Veh type, Veh tech	all, all
Speed	10 mph
Year	2024

IV. Model Results Worst Case Wind Angle

	RECEPTOR		BRG (DEG)	PRED CONC (PPM)
1	Recpt	**S1**	135	3.4
2	Recpt	**S2**	253	3.4
3	Recpt	**S3**	16	3.3
4	Recpt	**S4**	315	3.4

	RECEPTOR		1-HOUR	8-HOUR		
				Persistence Factor		
				0.8	0.7	0.6
1	Recpt	S1	3.4	2.72	2.38	2.04
2	Recpt	S2	3.4	2.72	2.38	2.04
3	Recpt	S3	3.3	2.64	2.31	1.98
4	Recpt	S4	3.4	2.72	2.38	2.04

Generalized persistence factors (CO Protocol, Table B.15)
0.6: Rural and suburban
0.7: Urban locations
0.8: Urban sites with a recognized tendency for persistent stagnant meteorological conditions and/or persistent traffic congestion

CL4 Assumptions

Newport Boulevard & Del Mar Avenue

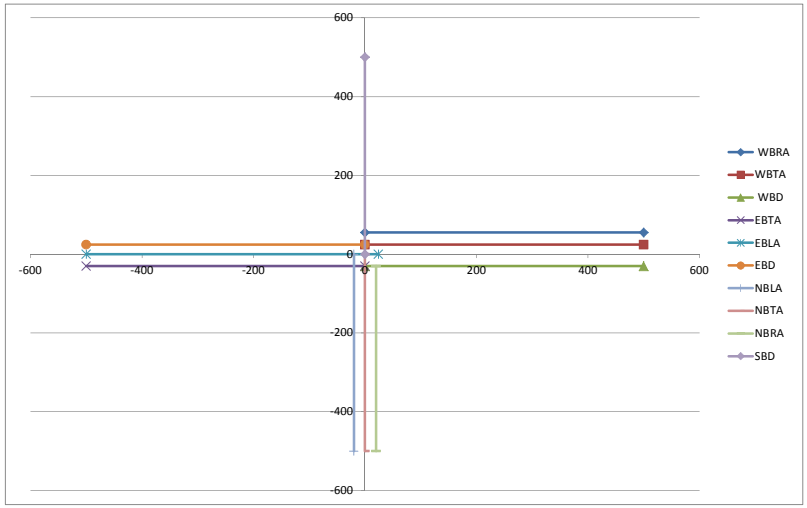
2024 Existing Plus Project

Job Parameters

File Name	NB & DMA (AM)
Job	Orange Coast College
Run type	Worst-case wind angle
Aerodynamic roughness coefficient	Suburban
Link/Receptor Geometry	feet
Altitude above sea level (ft)	71
Number of links	10
Number of receptors	4
Averaging interval	1 hour

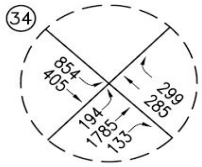
Link geometry

Link name	link type	endpoint 1 coordinate x	endpoint 1 coordinate y	endpoint 2 coordinate x	endpoint 2 coordinate y	link height	mixing zone width
WBRA	at-grade	500	55	0	55	0	33
WBTA	at-grade	500	24	0	24	0	33
WBD	at-grade	500	-30	0	-30	0	33
EBTA	bridge	0	-30	-500	-30	0	33
EBLA	bridge	24	0	-500	0	0	33
EBD	bridge	0	24	-500	24	0	33
NBLA	at-grade	-20	0	-20	-500	0	33
NBTA	at-grade	0	0	0	-500	0	33
NBRA	at-grade	20	-30	20	-500	0	33
SBD	at-grade	0	500	0	0	0	33



Link activity

Link/run	Traffic volume	Emission factor
EBLA	854	2.00
EBTA	405	2.00
EBD	479	2.00
WBTA	285	2.00
WBRA	299	2.00
WBD	538	2.00
NBLA	194	2.00
NBTA	1785	2.00
NBRA	133	2.00
SBD	2938	2.00



NEWPORT BLVD/
SR-55 NB RAMPS @
FAIR DR/DEL MAR AVE

Run conditions

Run:	Hour 1
Wind speed (m/s)	1
Wind direction (degrees)	0
Wind direction standard deviation (degrees)	10
Atmospheric stability class (1-7)	7
Mixing height (m)	1000 meters
Ambient temperature (degrees Celsius)	4.4
Ambient pollutant concentration	2.9

Receptor positions

Receptor list - name	x	y	z
Receptor S1	-60	60	5.9
Receptor S2	65	60	5.9
Receptor S3	-60	-55	5.9
Receptor S4	60	-60	5.9

EMFAC Assumptions

Veh type, Veh tech	all, all
Speed	10 mph
Year	2024

IV. Model Results Worst Case Wind Angle

	RECEPTOR	BRG (DEG)	PRED CONC (PPM)
1	Recpt **S1**	163	3.1
2	Recpt **S2**	254	3.2
3	Recpt **S3**	23	3.2
4	Recpt **S4**	287	3.1

	RECEPTOR	1-HOUR	8-HOUR		
			Persistence Factor		
			0.8	0.7	0.6
1	Recpt S1	3.1	2.48	2.17	1.86
2	Recpt S2	3.2	2.56	2.24	1.92
3	Recpt S3	3.2	2.56	2.24	1.92
4	Recpt S4	3.1	2.48	2.17	1.86

Generalized persistence factors (CO Protocol, Table B.15)
0.6: Rural and suburban
0.7: Urban locations
0.8: Urban sites with a recognized tendency for persistent stagnant meteorological conditions and/or persistent traffic congestion

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: HB & VS
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 26.2 (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.9 PPM
SIGTH= 10. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. WBRA	500	48	24	48	AG	124	2.0	0.0	33.0
B. WBTA	500	24	0	24	AG	1306	2.0	0.0	33.0
C. WBLA	500	0	-24	0	AG	94	2.0	0.0	33.0
D. WBD	500	-24	0	-24	AG	833	2.0	0.0	33.0
E. EBLA	24	0	-500	0	AG	257	2.0	0.0	33.0
F. EBTA	0	-24	-500	-24	AG	583	2.0	0.0	33.0
G. EBRA	-24	-50	-500	-50	AG	145	2.0	0.0	33.0
H. EBD	0	24	-500	24	AG	1866	2.0	0.0	33.0
I. NBLA	0	0	0	-500	AG	206	2.0	0.0	33.0
J. NBTA	24	0	24	-500	AG	1268	2.0	0.0	33.0
K. NBRA	48	-24	48	-500	AG	135	2.0	0.0	33.0
L. NBD	-24	0	-24	-500	AG	1587	2.0	0.0	33.0
M. SBLA	0	500	0	0	AG	115	2.0	0.0	33.0
N. SBTA	-24	500	-24	0	AG	1348	2.0	0.0	33.0
O. SBRA	-50	24	-50	500	AG	354	2.0	0.0	33.0
P. SBD	24	500	24	0	AG	1649	2.0	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. S1	-60	60	5.9
2. S2	60	60	5.9
3. S3	-60	-60	5.9
4. S4	60	-60	5.9

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION

JOB: HB & VS
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. S1	162.	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
2. S2	254.	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
3. S3	16.	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4. S4	342.	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P
1. S1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
2. S2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
3. S3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
4. S4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: HB & AA
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 19.5 (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.9 PPM
SIGTH= 10. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. WBRA	500	42	24	42	AG	225	2.0	0.0	33.0
B. WBTA	500	21	0	21	AG	1309	2.0	0.0	33.0
C. WBLA	500	0	-24	0	AG	161	2.0	0.0	33.0
D. WBD	500	-35	0	-35	AG	1020	2.0	0.0	33.0
E. EBLA	24	0	-500	0	AG	380	2.0	0.0	33.0
F. EBTA	0	-35	-500	-35	AG	718	2.0	0.0	33.0
G. EBRA	-24	-50	-500	-50	AG	137	2.0	0.0	33.0
H. EBD	0	21	-500	21	AG	2643	2.0	0.0	33.0
I. NBLA	0	0	0	-500	AG	489	2.0	0.0	33.0
J. NBTA	24	0	24	-500	AG	1914	2.0	0.0	33.0
K. NBRA	36	-35	36	-500	AG	90	2.0	0.0	33.0
L. NBD	-24	0	-24	-500	AG	2188	2.0	0.0	33.0
M. SBLA	0	500	0	0	AG	212	2.0	0.0	33.0
N. SBTA	-24	500	-24	0	AG	1890	2.0	0.0	33.0
O. SBRA	-50	21	-50	500	AG	845	2.0	0.0	33.0
P. SBD	24	500	24	0	AG	2276	2.0	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. S1	-75	65	5.9
2. S2	65	65	5.9
3. S3	-75	-65	5.9
4. S4	65	-65	5.9

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: HB & AA
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. S1	135.	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
2. S2	253.	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
3. S3	16.	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
4. S4	315.	3.4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: NB & DMA
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 1.0 M/S Z0= 100. CM ALT= 21.6 (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 2.9 PPM
SIGTH= 10. DEGREES TEMP= 4.4 DEGREE (C)

II. LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)
A. WBRA	500	55	0	55	AG	299	2.0	0.0	33.0
B. WBTA	500	24	0	24	AG	285	2.0	0.0	33.0
C. WBD	500	-30	0	-30	AG	538	2.0	0.0	33.0
D. EBTA	0	-30	-500	-30	BG	405	2.0	0.0	33.0
E. EBLA	24	0	-500	0	BG	854	2.0	0.0	33.0
F. EBD	0	24	-500	24	BG	479	2.0	0.0	33.0
G. NBLA	-20	0	-20	-500	AG	194	2.0	0.0	33.0
H. NBTA	0	0	0	-500	AG	1785	2.0	0.0	33.0
I. NBRA	20	-30	20	-500	AG	133	2.0	0.0	33.0
J. SBD	0	500	0	0	AG	2938	2.0	0.0	33.0

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. Receptor	-60	60	5.9
2. Receptor	65	60	5.9
3. Receptor	-60	-55	5.9
4. Receptor	60	-60	5.9

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: NB & DMA
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. Receptor	163.	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
2. Receptor	254.	3.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3. Receptor	23.	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. Receptor	287.	3.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1

RECEPTOR	CONC/LINK (PPM) I	J
1. Receptor	0.0	0.0
2. Receptor	0.0	0.1
3. Receptor	0.0	0.2
4. Receptor	0.0	0.0