



CITY COUNCIL AGENDA REPORT

MEETING DATE: FEBRUARY 7, 2012

ITEM NUMBER:

SUBJECT: AMERICAN RECOVERY AND REINVESTMENT ACT - ENERGY EFFICIENT CHILLER COMPRESSOR REPLACEMENT – CITY HALL AND POLICE FACILITY- CITY PROJECT NO. 11-03

DATE: JANUARY 26, 2012

FROM: PUBLIC SERVICES DEPARTMENT/ENGINEERING DIVISION

PRESENTATION BY: ERNESTO MUNOZ, INTERIM DIRECTOR, PUBLIC SERVICES DEPARTMENT

FOR FURTHER INFORMATION CONTACT: FARIBA FAZELI, INTERIM CITY ENGINEER, (714) 754-5335

RECOMMENDATION:

1. Accept the work performed by Liberty Climate Control, Inc. and authorize the City Clerk to file the Notice of Completion.
2. Release the Labor and Material Bond seven (7) months after the filing date; release the Faithful Performance Bond one (1) year after the filing date; and release the retention monies 35 days after the Notice of Completion filing date.

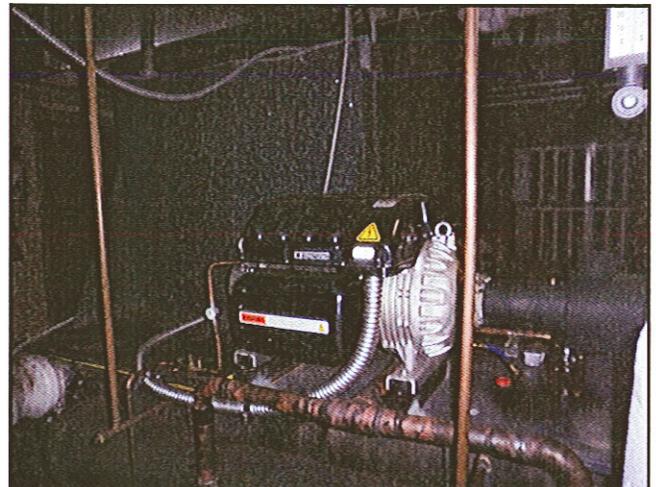
BACKGROUND:

On June 7, 2011 a construction contract in the amount of \$545,600.00 was awarded to Liberty Climate Control, Inc., 2447 N. Chico Avenue, South El Monte, CA 91733. This project was constructed under the funding guidelines of the American Recovery and Reinvestment Act (ARRA) of 2009.

The scope of work for this project included replacement of five (5) chiller compressors with frictionless Turbocor compressors at City Hall and the Police Facility; installation of a refrigerant alarm monitoring system at City Hall; and installation of an emergency ventilation system in the mechanical room at City Hall.



New Chiller Compressors in City Hall



New Chiller Compressor #2 in Police Facility

ANALYSIS:

The work required by the contract documents was completed on December 13, 2011, to the satisfaction of the City Engineer. The final contract cost amounted to \$545,600.00. A report of the final costs is shown herein as Attachment "1".

A summary of the costs is as follows:

Original Contract Cost:	\$ 545,600.00
Change Order No. 1	<u>(\$0.00)</u>
Final Contract Cost:	\$ 545,600.00

Change Order No. 1 was a no-cost change order to delete the bid item for preparation of an audit of pre-existing and post-construction energy efficiency within the City Hall and Police Facility. In lieu of this work, an updated refrigerant monitor panel was added at the Police Facility to comply with current code requirements. An energy audit was already conducted through the City's partnership with Southern California Edison; therefore no additional energy efficiency analysis was required.

As of this date, there are no Stop Notices filed against the monies due to Liberty Climate Control, Inc.

ALTERNATIVES CONSIDERED:

There were no alternatives considered for this item.

FISCAL REVIEW:

This project was funded entirely with Federal ARRA Energy Efficiency and Conservation Block Grant funds, which provided for 100 percent reimbursement of the construction costs.

LEGAL REVIEW:

There is no legal review required on this item.

CONCLUSION:

The American Recovery and Reinvestment Act, Energy Efficient Chiller Compressor Replacement Project at the City Hall and the Police Facility, City Project No. 11-03 has been completed. It is recommended that the City Council authorize staff to file the Notice of Completion; release the remaining retention monies 35 days after the Notice of Completion filing date; and release the bonds accordingly.

FARIBA FAZELI
Interim City Engineer

ERNESTO MUÑOZ, Interim Director
Public Services Department

ATTACHMENT: "1" Cost Summary

DISTRIBUTION: Chief Executive Officer
City Attorney
City Clerk
Interim Development Services Director
Maintenance Services Manager
Staff
File

CITY OF COSTA MESA

FOR PAYMENT ON THE WARRANT LIST OF

1/20/12

DATE: 12/15/11

3RD PAYMENT TO: LIBERTY CLIMATE CONTROL, INC.
2447 N. CHICO AVE., SOUTH EL MONTE, CA 91733

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PROJECT: ENERGY EFFICIENT CHILLER COMPRESSOR REPLACEMENT AT CITY HALL AND POLICE FACILITY
CITY PROJECT NO. 11-03

PERIOD BEGINNING: 10/16/11
PERIOD ENDING: 11/10/11

ITEM NO	BID QUANTITY	DESCRIPTION	UNIT PRICE	PREVIOUS QUANTITY	QUANTITY THIS ESTIMATE	TOTAL QUANTITY TO DATE	PREVIOUS AMOUNT	AMOUNT THIS EST	TOTAL TO DATE	CONTRACT PRICE
1	1	REPLACEMENT OF THREE 60-TON CHILLER COMPRESSORS AT CITY HALL (77 FAIR DRIVE)	\$270,000.00	90 %	10 %	100 %	\$242,099.00	\$27,901.00	\$270,000.00	\$270,000.00
2	1	REPLACEMENT OF TWO 80-TON CHILLER COMPRESSORS AT POLICE FACILITY (99 FAIR DRIVE)	\$218,000.00	86 %	14 %	100 %	\$186,572.00	\$31,428.00	\$218,000.00	\$218,000.00
3	1	ENERGY AUDIT OF PRE- AND POST- CONSTRUCTION CONDITIONS AND DATA	\$10,000.00	0 %	100 %	100 %	\$0.00	\$10,000.00	\$10,000.00	\$10,000.00
4	1	TEMPORARY COOLING	\$15,000.00	100 %	0 %	100 %	\$15,000.00	\$0.00	\$15,000.00	\$15,000.00
5	1	TURBOCOR EXTENDED FIVE (5) YEAR FACTORY PARTS AND LABOR WARRANTY	\$18,600.00	0 %	100 %	100 %	\$0.00	\$18,600.00	\$18,600.00	\$18,600.00
6	1	PROVIDE EMERGENCY PURGE OF ESCAPING REFRIGERANT	\$14,000.00	100 %	0 %	100 %	\$14,000.00	\$0.00	\$14,000.00	\$14,000.00
PROJECT SUBTOTAL:							\$457,671.00	\$87,929.00	\$545,600.00	\$545,600.00

CHANGE ORDERS

CCO 1	1	LS	PROVIDE EMERGENCY PURGE OF ESCAPING REFRIGERANT	\$10,000.00	50 %	100 %	\$5,000.00	\$5,000.00	\$10,000.00	
CCO 1	1	LS	DELETE ENERGY AUDIT OF PRE- AND POST CONSTRUCTION CONDITIONS	-\$10,000.00	0 %	100 %	\$0.00	-\$10,000.00	-\$10,000.00	
CHANGE ORDER TOTAL:							\$5,000.00	-\$5,000.00	\$0.00	

PROJECT GRAND TOTAL: \$462,671.00 \$82,929.00 \$545,600.00 \$545,600.00