Fire Operations Discussion

CMFA 4-Year Cost Reduction/Recovery Plan

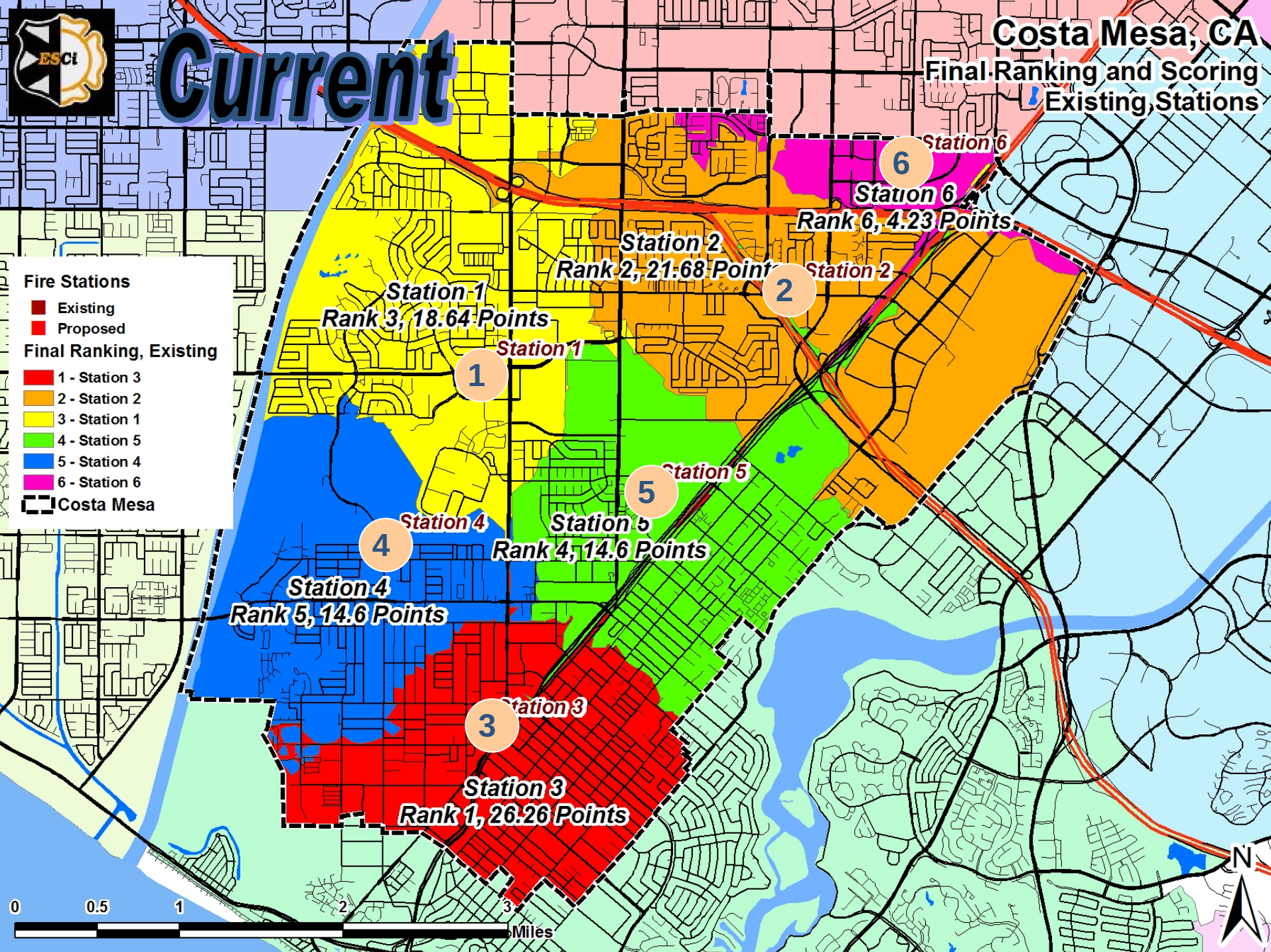
Prepared by: Fire Chief, Mike Morgan

Current Operations

- Staffing
  - 96 Personnel (32 per each 24 hr.-shift)
    - 24 Fire Captains (8 per shift)
    - 24 Fire Engineers (8 per shift)
    - 30 Firefighter Paramedics (10 per shift)
    - 18 Firefighters (6 per shift)
  - Strategically assigned throughout City
    - 4-person staffing per apparatus
      - NFPA guideline
      - Paramedic engine requirement

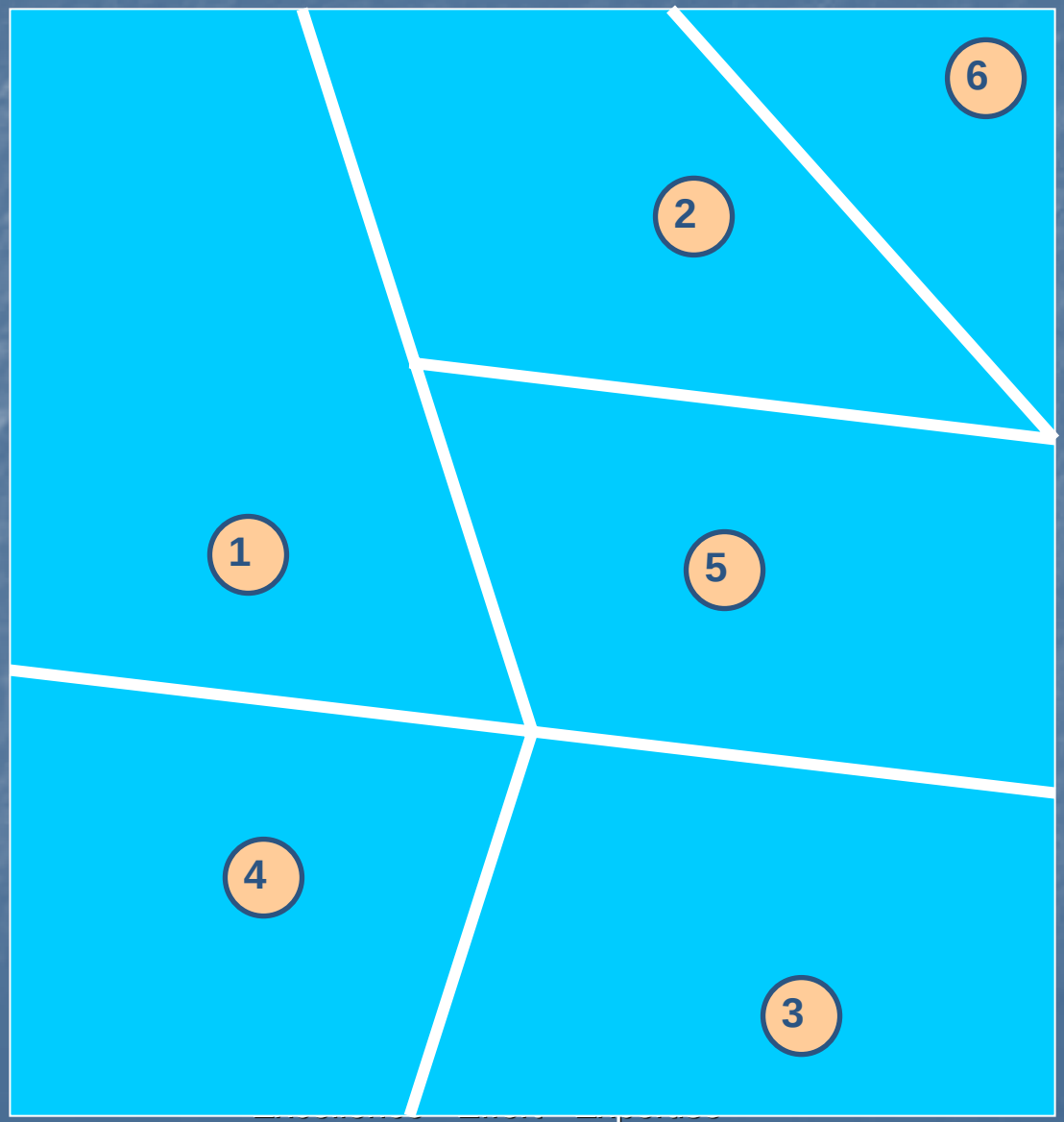
Current Operations

- Fire Stations
  - 6-Stations strategically located throughout the City to ensure appropriate response times within six, mutually-dependent jurisdictions
    - BLS
      - NFPA – 4 minutes + turn-out time
      - CM – 5 minutes including turn-out time
    - ALS
      - NFPA – 8 minutes + turn-out time
      - CM – 5 minutes including turn-out time
    - Effective Force
      - NFPA – 17 personnel @ 1st alarm in 8 minutes + turn-out time (prior to RIC requirement)
      - CM – 21 personnel in 8 minutes including turn-out time (meets RIC requirement)
    - Technical Rescue
      - OES Type I – 6 trained and certified personnel
      - CM – 6 trained and certified personnel (satisfied through combined quint or engine response)


Current
Costa Mesa, CA
Final Ranking and Scoring
Existing Stations
Fire Stations
Existing
Proposed
Final Ranking, Existing
1 - Station 3
2 - Station 2
3 - Station 1
4 - Station 5
5 - Station 4
6 - Station 6
Costa Mesa
Station 6
Station 6
Rank 6, 4.23 Points
Station 2
Rank 2, 21.68 Points
Station 2
Station 1
Rank 3, 18.64 Points
Station 1
Station 5
Station 5
Rank 4, 14.6 Points
Station 4
Station 4
Rank 5, 14.6 Points
Station 3
Station 3
Rank 1, 26.26 Points
1
2
3
4
5
6
0
0.5
1
2
3
Miles
N

Station Jurisdictions

Current Fire Station Deployment

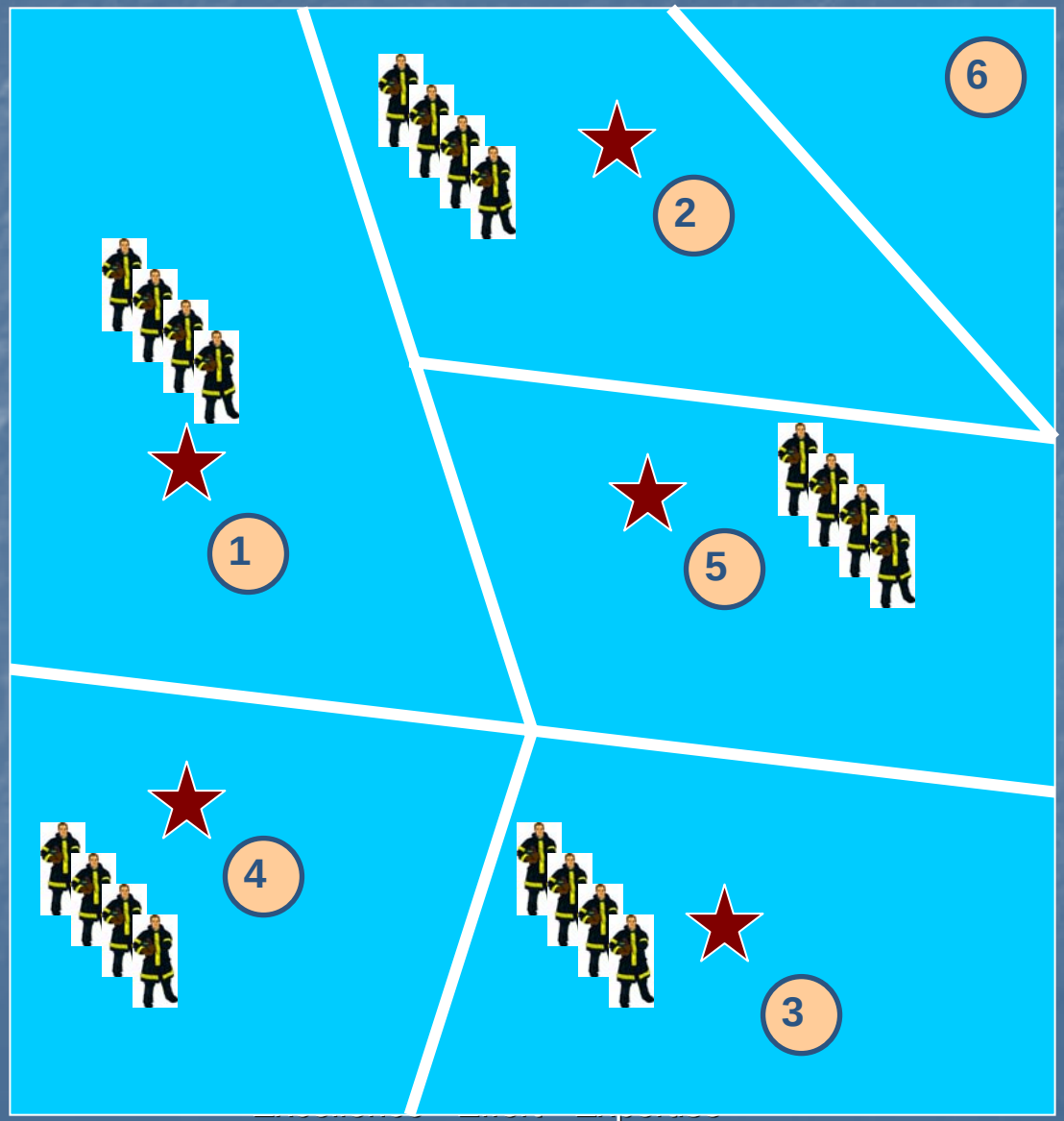


Current Operations

- 8 Emergency Apparatus
  - 5 Engines, 2 Quints, 1 USAR
    Note: This discussion does not include battalion chief or deputy chief command vehicles, or support utility vehicle
- 5 Advanced Life Support Engines
  - ALS or Paramedic Engine:
    - Dual-function & cost efficient:
      - ALS-EMS and Suppression
    - Provides highest level of pre-hospital care available:
      - ALS equipment, drugs, therapeutic devices, etc.
    - Industry-standard suppression equipment:
      - Full complement of all-risk suppression tools and safety equipment
    - Staffing required:
      - 1-Capt., 1-Engineer, 2-Firefighter Paramedics

ALS Engines

Current Deployment



Current Operations

- 2 Aerial Apparatus (Trucks)
  - 1 Basic Life Support (BLS) Quint 75’ Aerial
    - Tri-function & cost efficient:
      - BLS-EMS, Suppression, Rescue
    - Provides 1st - tier (limited) pre-hospital care:
      - BLS equipment
    - Industry-standard suppression equipment:
      - Full complement of all-risk suppression tools, safety equipment, and aerial rescue/suppression capability
    - Staffing required:
      - 1-Capt., 1-Engineer, 2-Firefighters

Current Operations

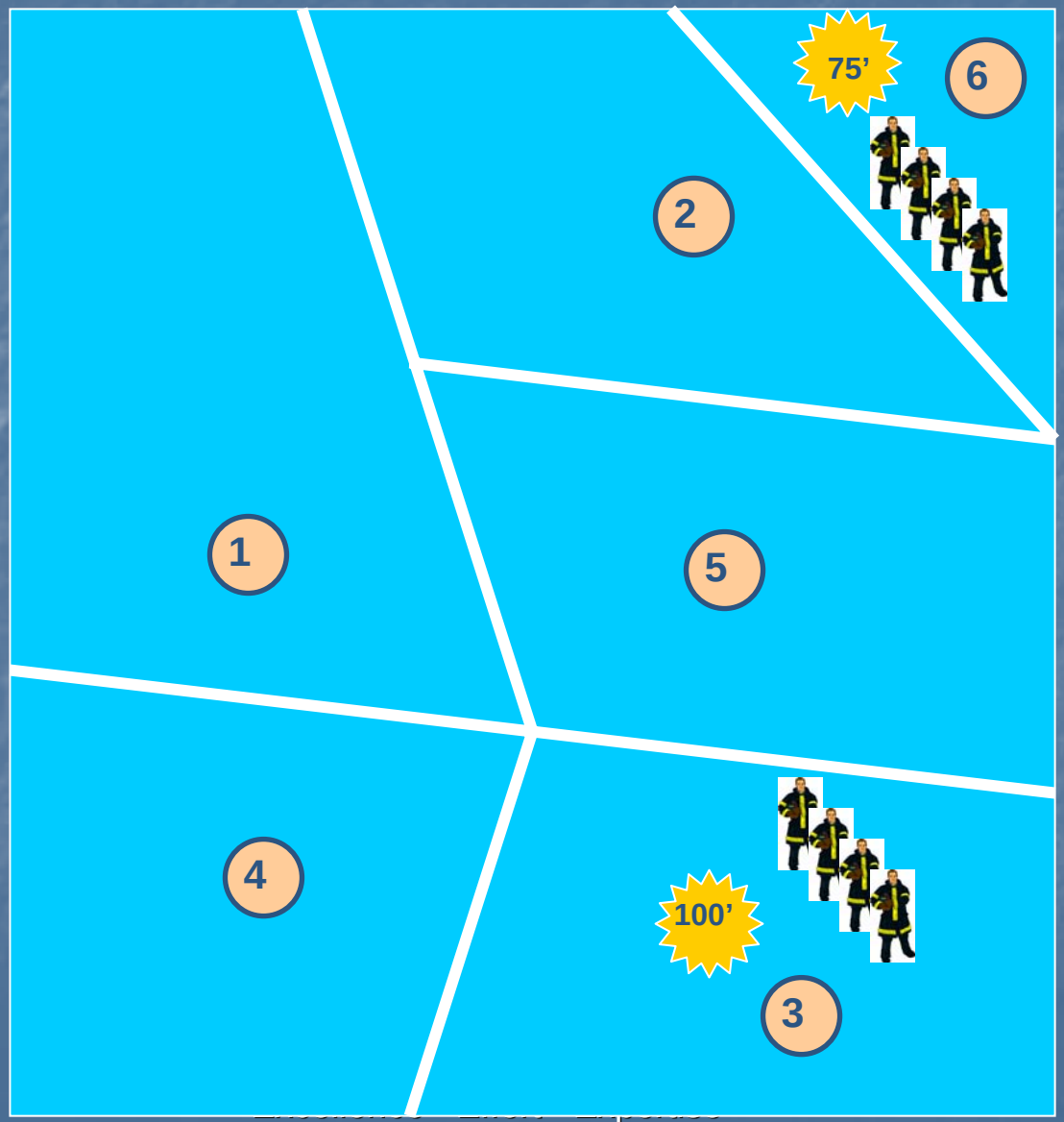
- 2 Aerial Apparatus (Trucks) cont.
  - 1 BLS Quint 100' Aerial *(100' TDA replacement)*

Note: This capability is currently unavailable to the City until replacement TDA is placed into service (March 2010) – during this gap in service an BLS technical engine is being substituted (BLS engine with rescue and ventilation tools no aerial capability beyond 24' ladder)

    - Tri-function & cost efficient:
      - BLS-EMS, Suppression, Rescue
    - Provides 1st - tier (limited) pre-hospital care:
      - BLS equipment
    - Industry-standard suppression equipment:
      - Full complement of all-risk suppression tools and safety equipment, and aerial rescue/suppression capability
    - Staffing required:
      - 1-Capt., 1-Engineer, 2-Firefighters

BLS Aerials

Current Deployment



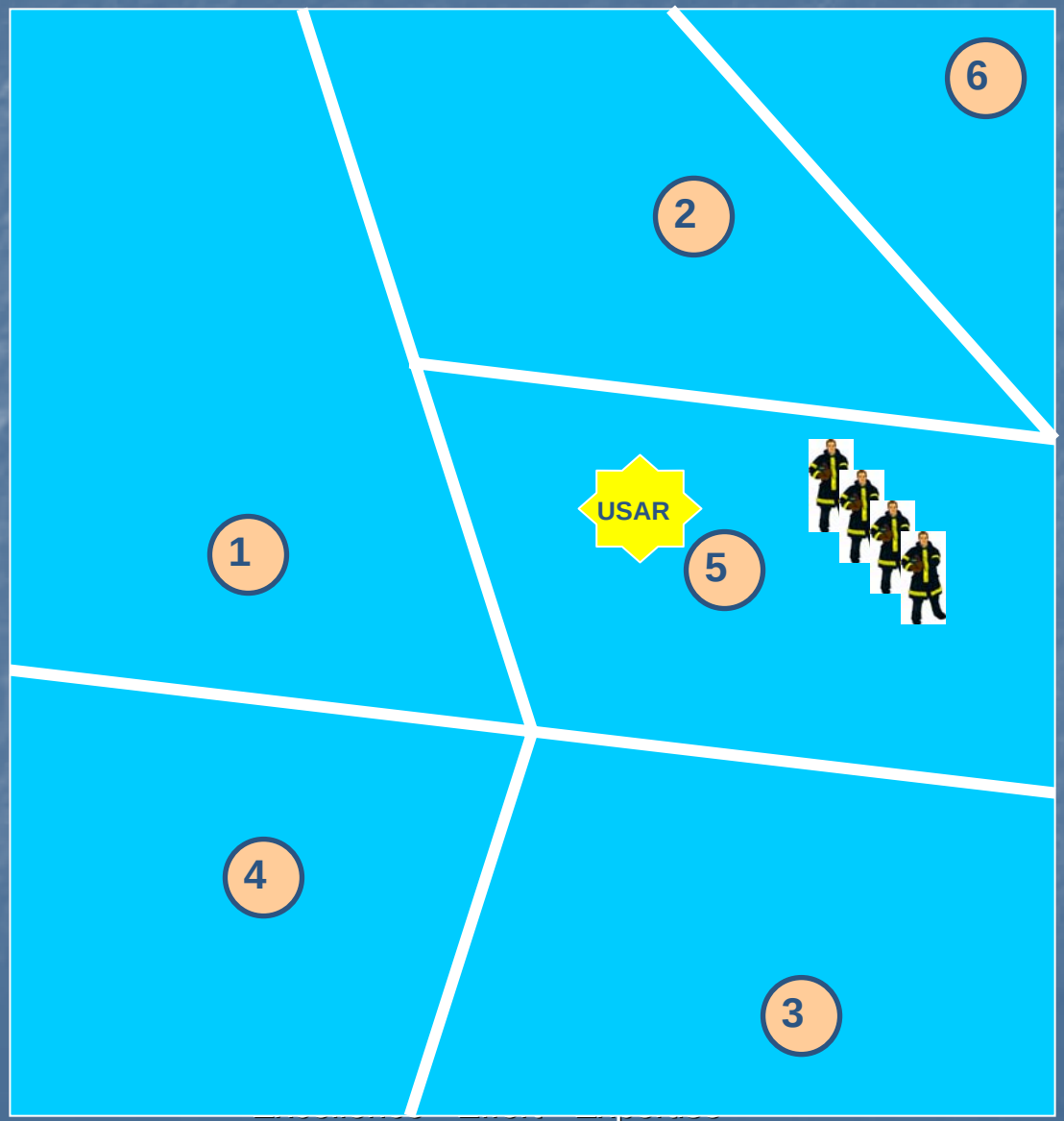
Current Operations

- 1 Urban Search and Rescue Type-I

  - Dual-function & cost efficient:
    - BLS-EMS, Rescue *(Limited direct suppression capability beyond manpower and equipment – no water or pump)*
    - Provides 1st - tier (limited) pre-hospital care:
      - BLS equipment
    - Provides highest level of rescue and suppression support available:
      - USAR trained personnel, fire operations/rapid intervention crew (RIC) support equipment, etc.
    - Industry-standard rescue and suppression support equipment:
      - Full complement of all-risk rescue tools, safety equipment, and suppression operations support equipment including mobile-air and lighting, etc.
    - Staffing required:
      - 1-Capt., 1-Engineer, 2-Firefighters *(all USAR certified)*

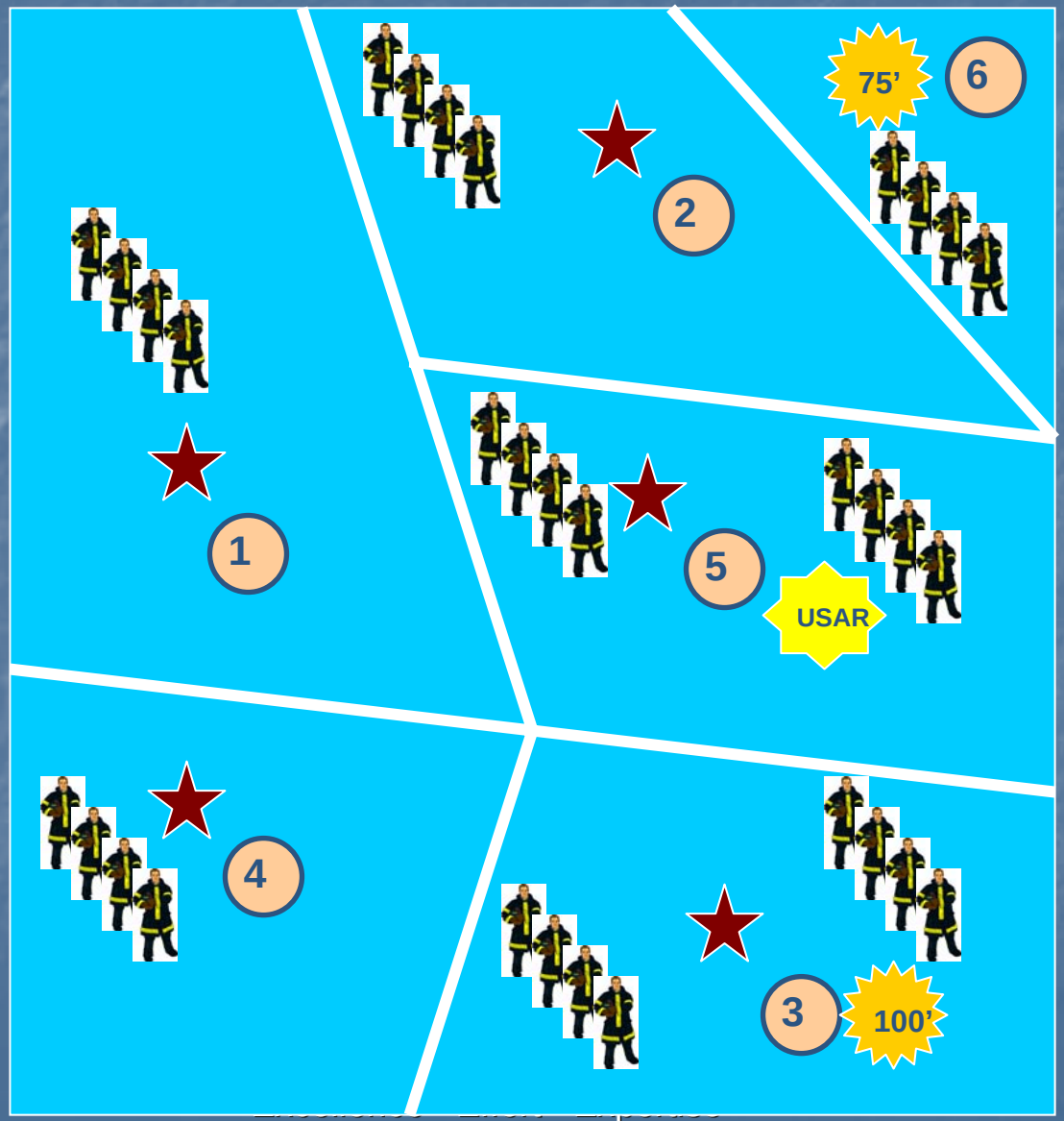
BLS USAR

Current Deployment



All Resources

Current Deployment

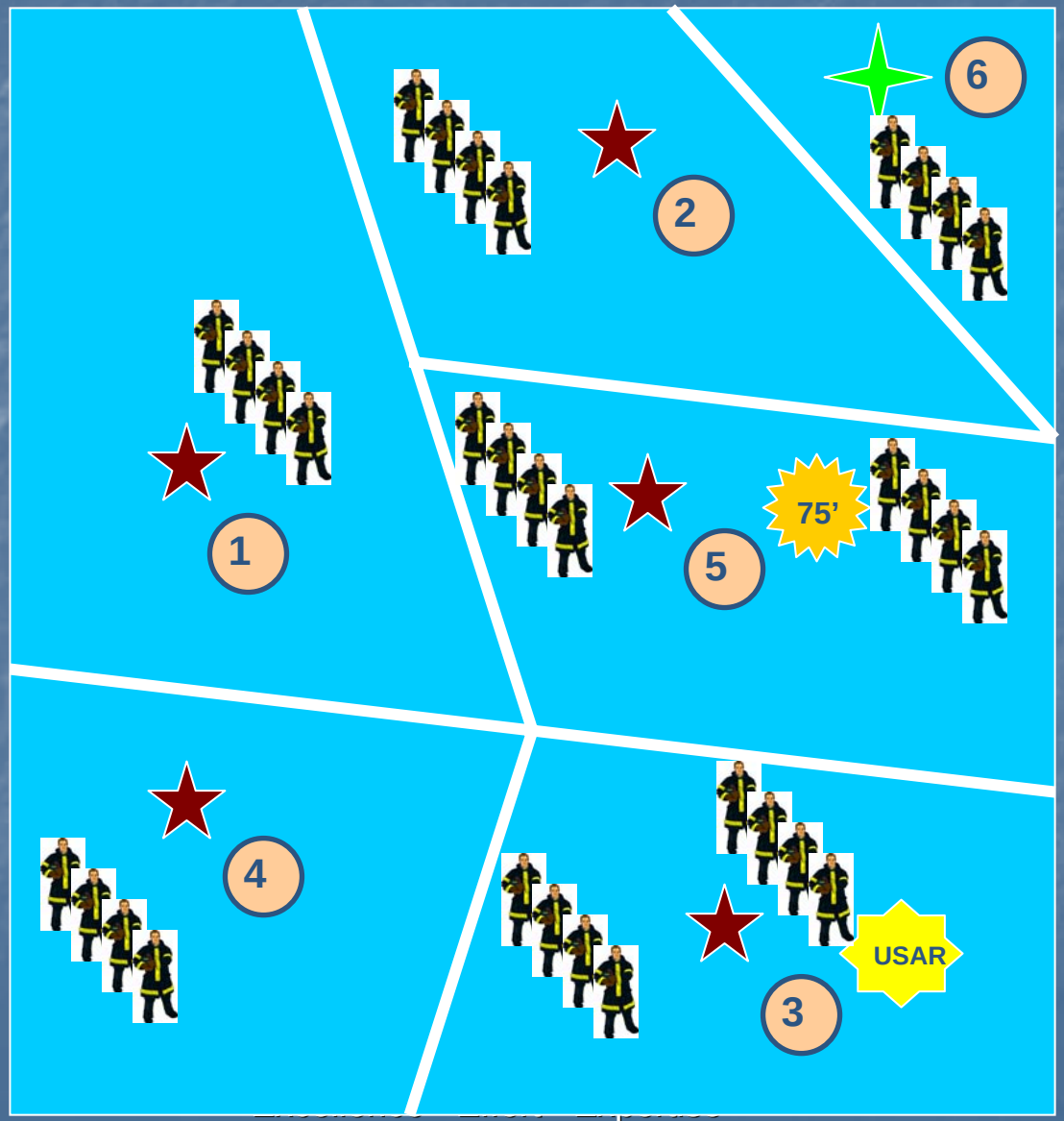


All Resources

Current Deployment (modified pending TDA)

100’ Out of service TDA on order March 2010

BLS technical engine substitute



Plan Terminology

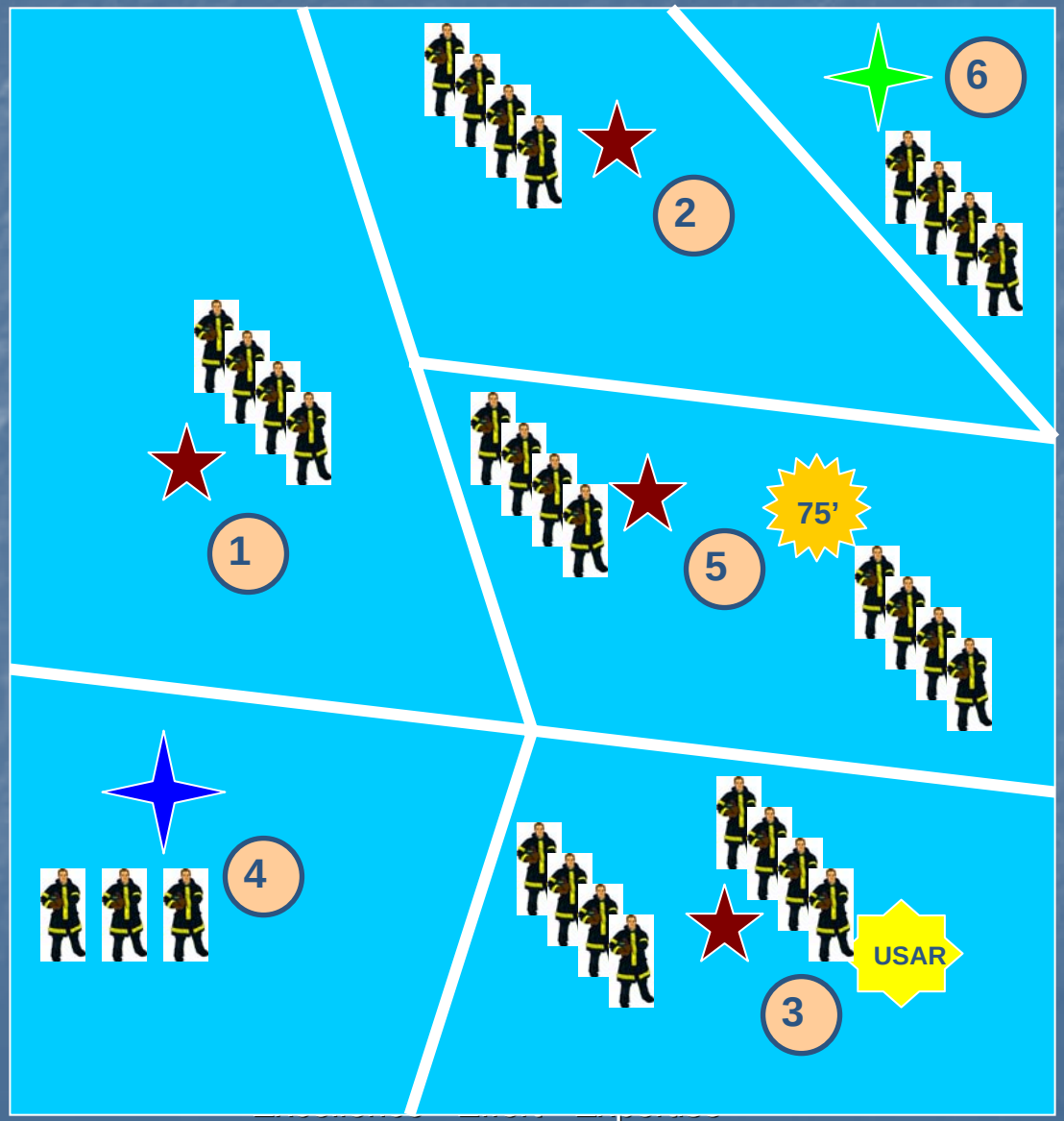
- Minimum Staffing – minimum number of operations personnel required on duty, each 24 hour period, to achieve appropriate and defined levels of service. Each emergency apparatus is staffed with 1 captain, 1 engineer, and 2 firefighter paramedics or firefighters (4-person staffing).

Plan – Phase-1 reduction

- July 1, 2009 – December 31, 2009
  - Minimum staffing reduced from 32 to 31
    - one vacant firefighter or firefighter paramedic position will not be filled each day
    - results in reduced staffing of one emergency apparatus from 4-person to 3-person, each shift

All Resources

Phase-1 Reduction - Deployment

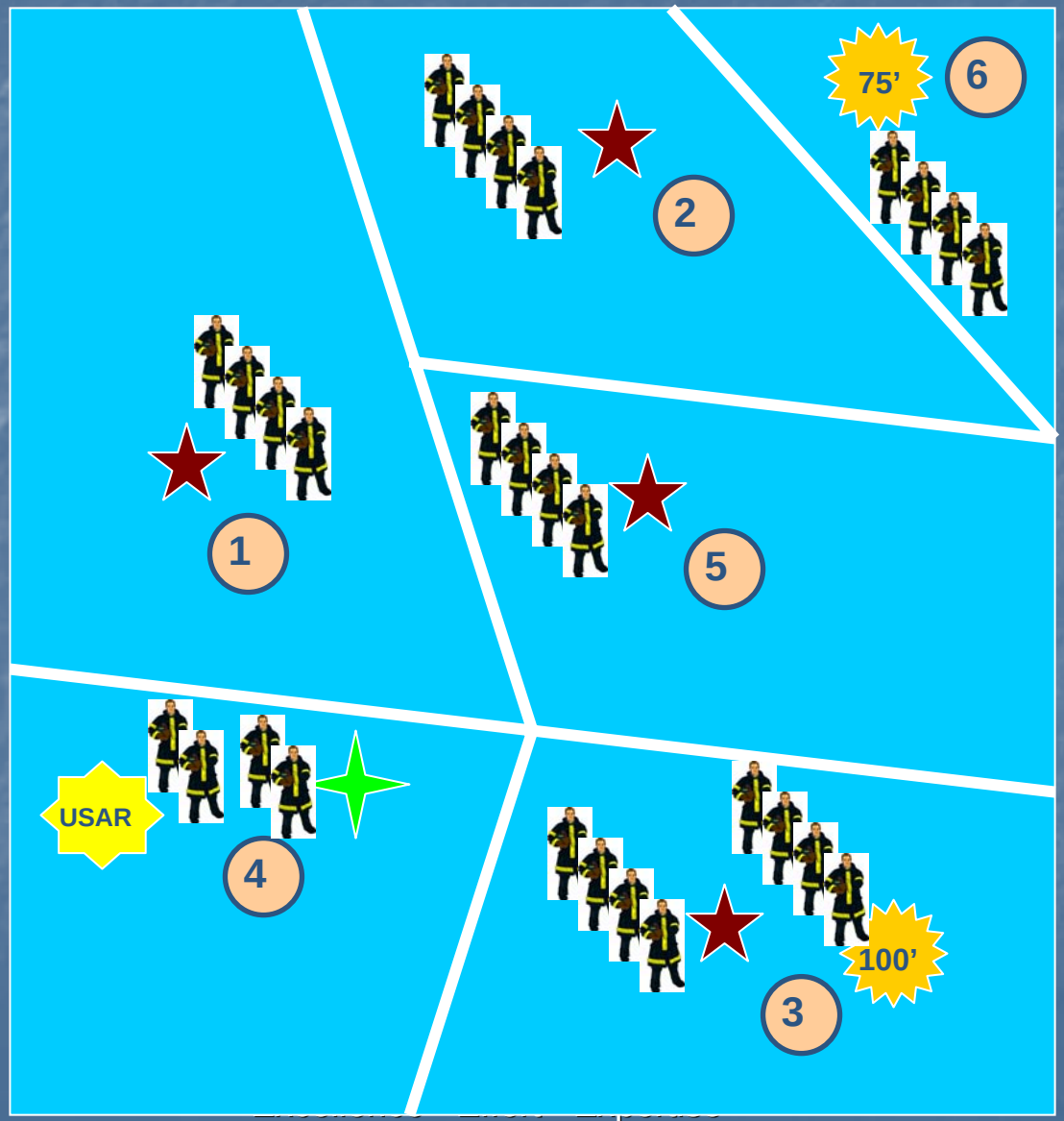


Plan – Phase-2 reduction

- January 01, 2010 – June 30, 2011
  - Minimum staffing reduced from 32 to 28
    - 4 ALS engines
    - 1 BLS engine – 1 USAR (cross-staffed)
    - 1 Quint 75’ aerial
    - 1 TDA 100’ aerial

All Resources

Phase-2 Reduction - Deployment

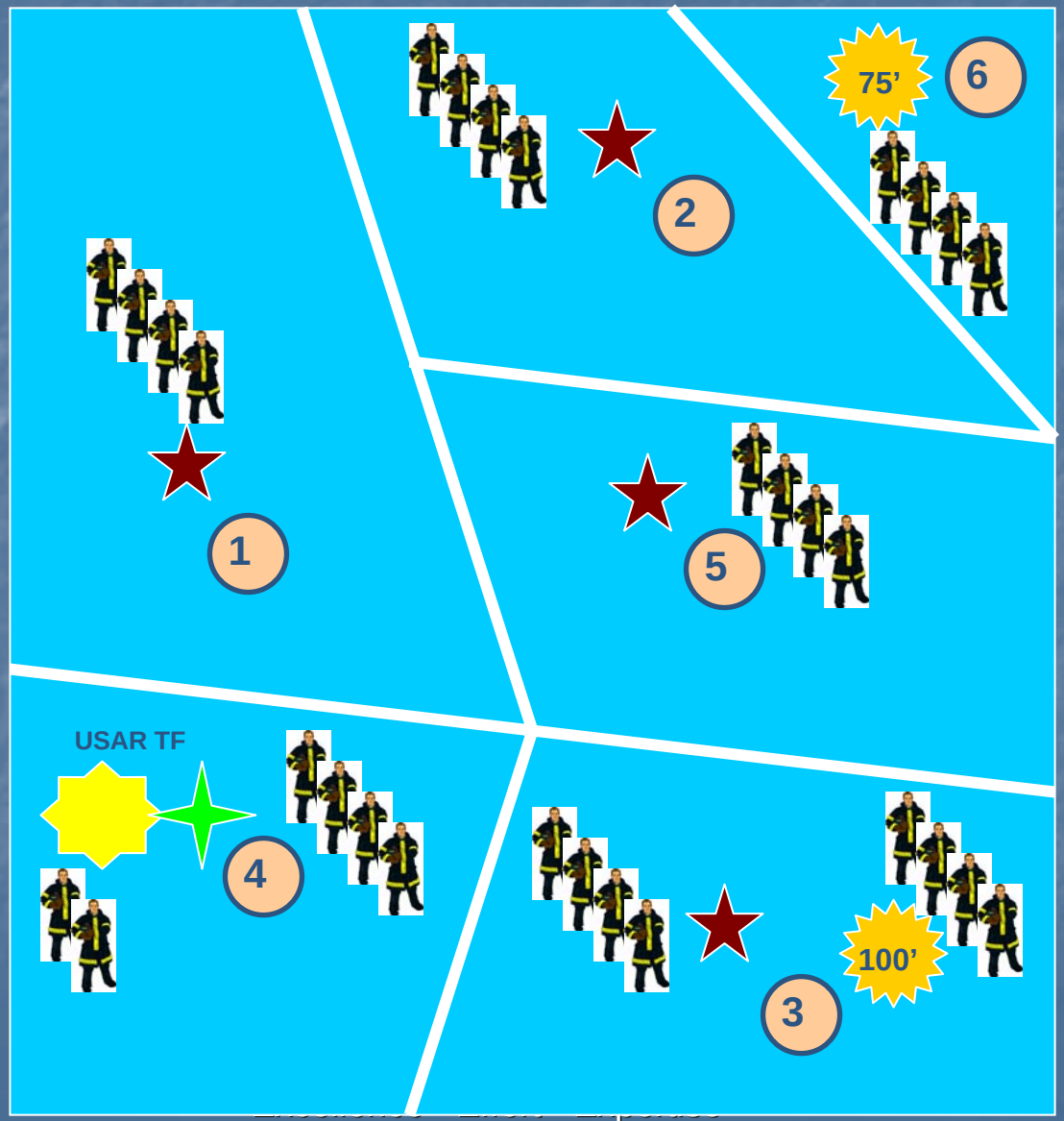


Plan – Phase-3 reduction/recovery

- July 01, 2011 – June 29, 2013
  - Minimum staffing reinstated from 28 to 30
    - 4 ALS engines
    - 1 USAR task-force
      - 1, 4-person BLS engine (captain, engineer, 2-firefighters)
      - 1, 2-person USAR (engineer, firefighter)
    - 1 Quint 75’ aerial
    - 1 TDA 100’ aerial

All Resources

Phase-3 Reduction/Recovery - Deployment

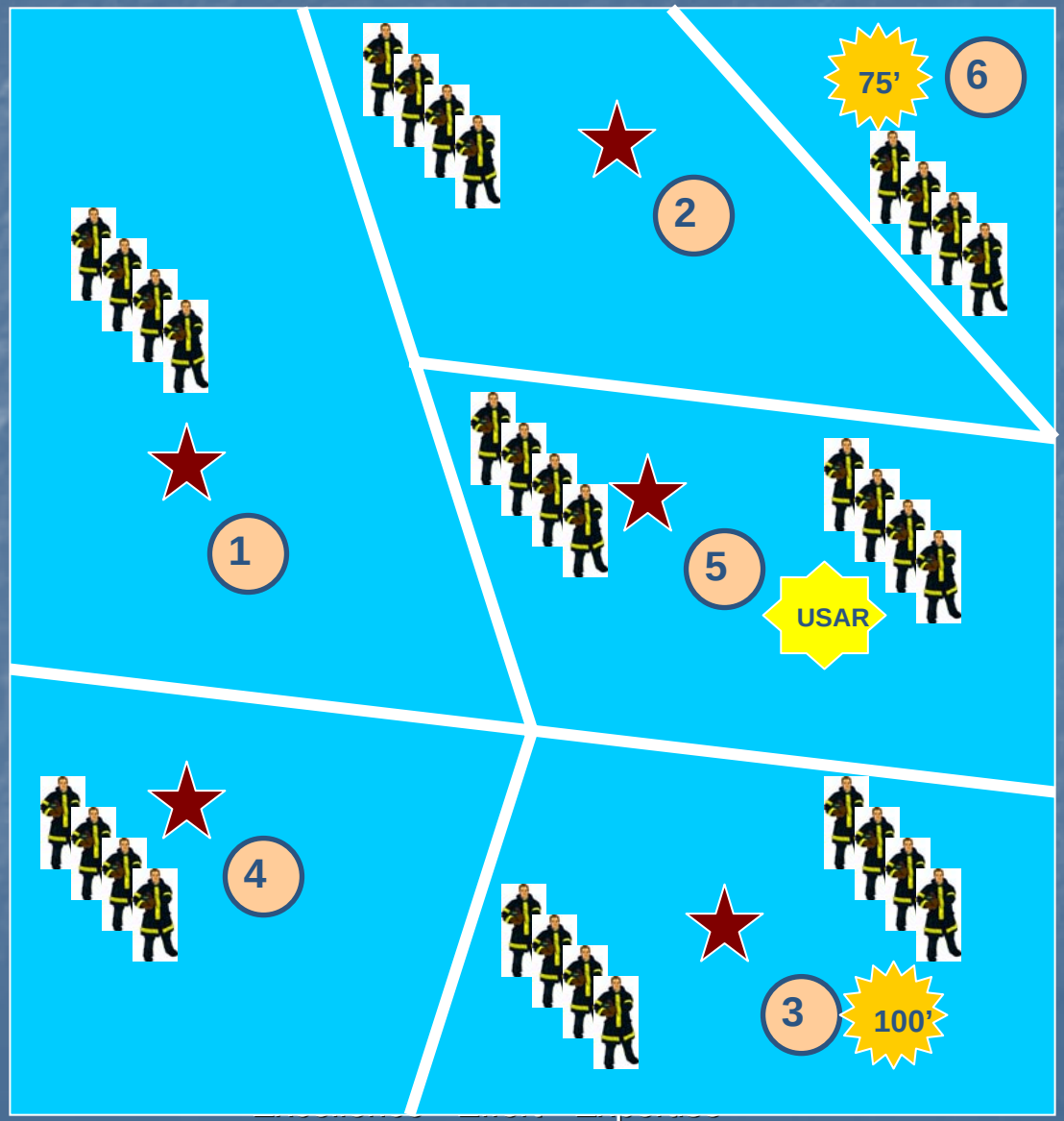


Plan – Phase-4 recovery

- June 30, 2013 -
  - Minimum staffing reinstated from 30 to 32
    - All personnel assignments and apparatus placement return to pre-reduction levels
    - 5-ALS engines
    - 1 Quint 75’ aerial
    - 1 TDA 100’ aerial
    - 1 USAR
    - 96 personnel total – 32 personnel minimum staffing

All Resources

June 30, 2013 Recovery - Deployment



Thank You

Questions and Discussion