

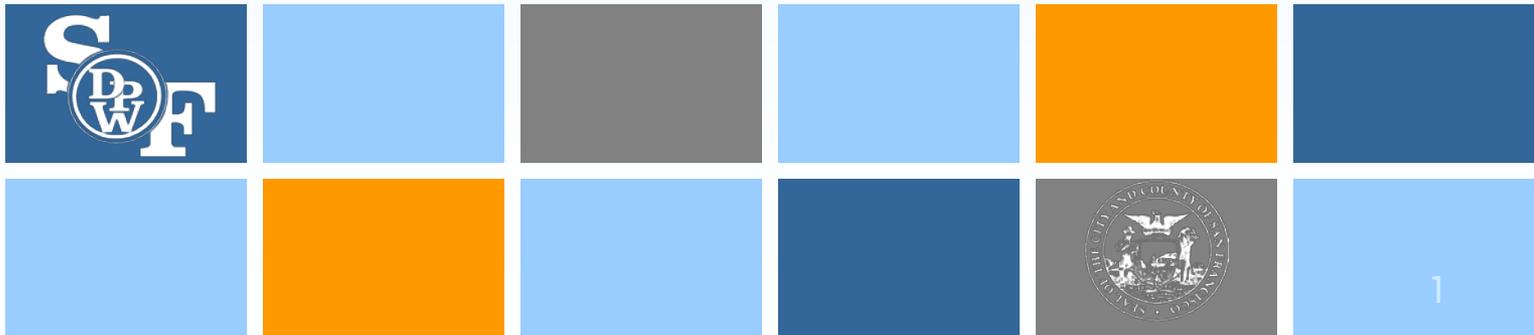
Neighborhood Fire Stations

Presentation to the SFFD Commission

September 23, 2010



EARTHQUAKE SAFETY AND EMERGENCY RESPONSE BOND





Earthquake Safety & Emergency Response (ESER) Bond



Earthquake Safety & Emergency Response Bond

\$412.3M General Obligation Bond Authorized in June 2010 with approval by 79.4% of voters

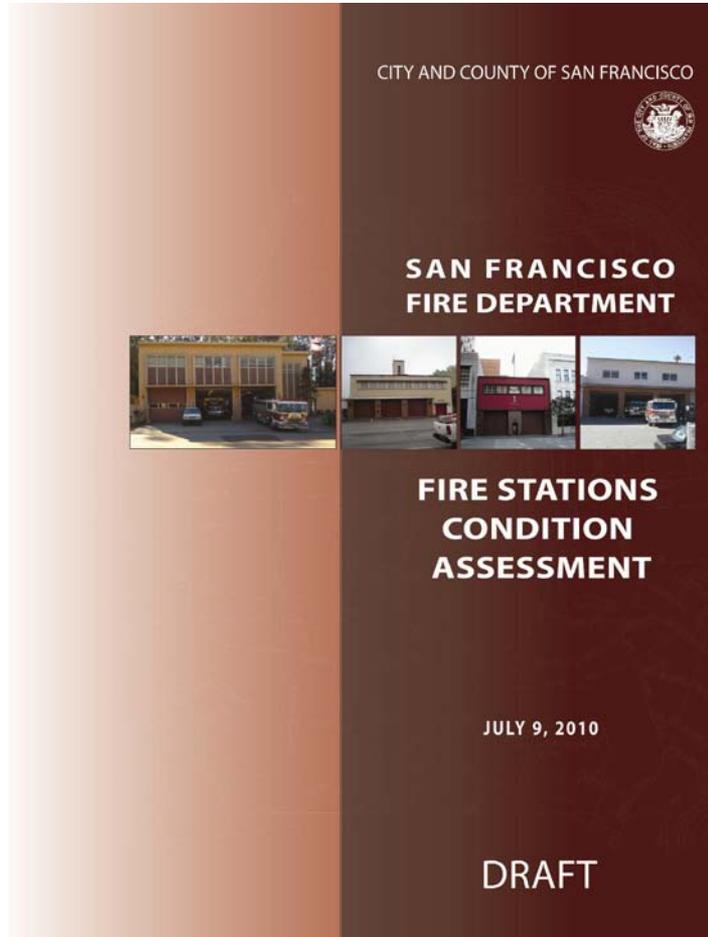
- Neighborhood Fire Stations \$65.1
- Auxiliary Water Supply System \$104.2
- Public Safety Building (includes Mission Bay Fire Station) \$243.0

SFFD Fire Stations Condition 2010 Assessment Report

- Key Facility Components and Project ranking
- Guiding Principles for Fire Stations Improvements
- Concurrent Renovation Strategies
- Multiple Capital Programs

ESER 1 Fire Station Projects List





- Key Facility Components and Project Priority Ranking
- Guiding Principles for Fire Stations Improvements
- Concurrent Renovation Strategies
- Multiple Capital Programs

A. Structural System

B. Emergency Response Components

- Emergency generators
- Building egress and access
 - Apparatus doors
 - Driveways and walkways
 - Front door access

C. Health and Safety Components

- Water intrusion
 - Roofs
 - Windows
 - Showers
- Food preparation areas
- Heating and ventilating systems

Facility Component

Condition Ratings

(assigned by A/E assessment):

- Severe: Failure imminent
- Serious: Impaired operability
- Moderate: Minor deterioration

A. Seismic Priority Assigned by Structural Engineers

- *High*: High probability that a major earthquake will impair station functionality
- *Medium*: Medium probability that a major earthquake will impair station function
- *Low*: Low probability that a major earthquake will impair station functionality

B. Emergency Response, Health and Safety Priority

- *High*: At least (1) component rated "Severe" AND (2) components rated "Serious" or higher
- *Medium*: At least (1) component rated "Severe" OR at least (2) components rated "Serious"
- *Low*: Less than (2) components rated "Serious"

Guiding Principles for Fire Stations' Improvements



Earthquake Safety & Emergency Response Bond

- Assure continuous fire protection coverage
- Prioritize emergency response
- Maximize the effectiveness of construction funds
- Limit disruption to operations



Focused Scope Program

- Correct severe deficiencies of selected building components
- Assure station functionality for 8-10 years

Comprehensive Renovation Program

- Correct all deficiencies pertaining to emergency response and health and safety issues
- Renovate, renew, or replace major building systems to assure station functionality of at least 15 years

Seismic Improvement Program

- Improve seismic performance to conform with current building codes
- Complete a comprehensive renovation as described above

Multiple Capital Programs



Earthquake Safety & Emergency Response Bond

- **General Obligation Bond Programs**
 - **ESER 1: June 2010**
 - **ESER 2: November 2013**
(per CCSF 10-year Capital Plan)
- **Real Estate Development Opportunities**
 - **Station No. 1 Replacement**



ESER 1 Fire Station Projects List



Earthquake Safety & Emergency Response Bond

	\$ Millions
Seismic Improvement Projects	
Station 05	7
Station 22	5
Station 43	9
Fire Boat Station / Sta. 35	20
Medical/Equipment	13
Logistics Center	
Total	\$ 54

Comprehensive Renovation Projects	
Station 02	4
Station 36	3
Total	\$ 7

	\$ Millions
Focused Scope Projects	
Station 06	
Station 13	
Station 15	
Station 17	
Station 18	
Station 28	
Station 38	
Station 40	
Station 41	
Station 42	
Station 44	
Total	\$ 4.1

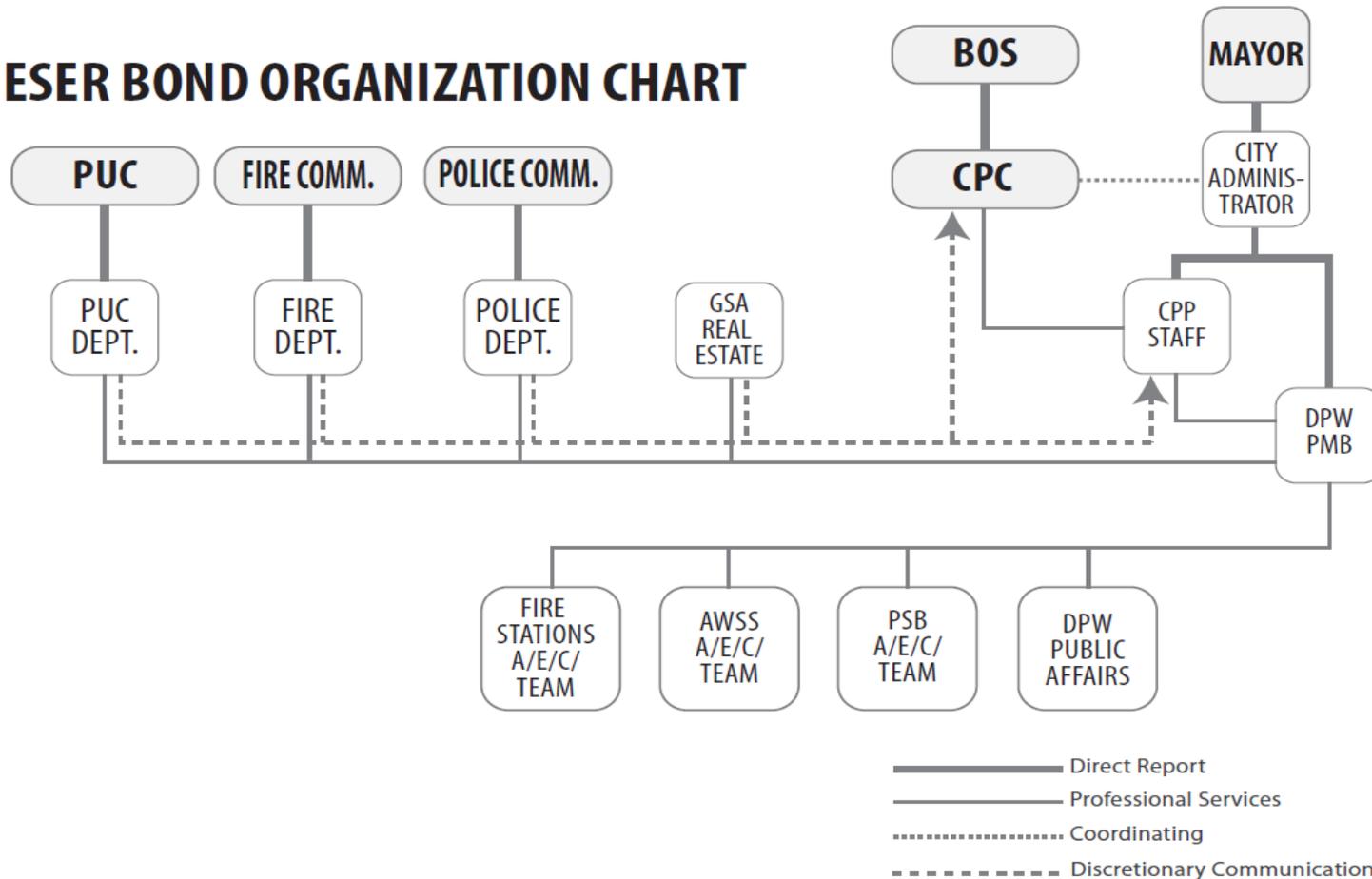
	2011				2012				2013				2014				2015				2016			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Focused Scope Projects - Constuction																								
Comprehensive and Seismic Projects - Construction																								

ESER Bond Organization



Earthquake Safety & Emergency Response Bond

ESER BOND ORGANIZATION CHART





Questions - Discussion

