



Earthquake Safety and Emergency Response Bond Program (ESER 1)

- Public Safety Building
- Neighborhood Fire Stations & Support Facilities
- Auxiliary Water Supply System (AWSS)

Citizens General Obligation Bond Oversight Committee

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EXECUTIVE SUMMARY

The Earthquake Safety and Emergency Response (ESER1) Bond Program consists of three components: the **Public Safety Building**, the **Neighborhood Fire Stations & Support Facilities**, and the **Auxiliary Water Supply System (AWSS)**. The following is a summary of each component's status.

Public Safety Building

90% Construction Documents for the Public Safety Building and Fire Station 30 were published in May and June, followed by QA/QC processes, including peer review comment and response, and cost validation.

Neighborhood Fire Stations & Support Facilities

SFFD confirmed baseline slate of projects to be completed in ESER1 on February 29, 2012 as scheduled. The approved slate of projects was presented to the SF Fire Commission on April 26, 2012.

Building program for replacement of Fire Stations #5 and #16, written by the special expertise consulting architect for fire station operations, was presented to SFFD on April 5 and approval was received. Conceptual Design of Fire Stations #5 and #16 by DPW Building Design and Construction began on April 16, 2012, and continues to be refined in alignment with SFFD operational requirements and the base program.

The Project Review Application for the Fire Boat Station replacement project was submitted to City Planning as scheduled on June 15, 2012. Next meeting with SF Port Planning and Historical staff regarding the application will occur with SF City Planning on July 11, 2012.

The Fire Boat Station slab replacement project completed as scheduled on June 20, 2012 in good time for the return of the fire engine to Station #35 on July 1, 2012. Punch list work will proceed in July 2012.

Schematic Design phase on Fire Station #36 comprehensive renovation is scheduled to complete on July 16, 2012.

Design work on Groups I and II Focused Scope stations continues. The consultant CM will perform constructability review on the roofs in July, with reissuance of roofing bid packages in July. Bidding of exterior paint projects will follow. DPW IDC and BBR will present proposals in July 2012 to perform emergency generator work to SFFD.

Auxiliary Water Supply System

Consultant AECOM/AGS JV continued work on Planning Support Services for the Auxiliary Water Supply System (AWSS). The consultant's draft project report is due by November 2012.

The Engineering Management Bureau (EMB) continued design work for Ashbury Tank, Jones Street Tank, Pumping Station 1, and Twin Peaks Reservoir. EMB continued Pumping Station 2 conceptual engineering work.

Design work continued for 16 candidate new cistern locations and for repair of existing cisterns.

Budget

The ESER has expended \$39,316,720 through June 2012. Out of the \$39,316,720, \$28,598,073 is for the Public Safety Building; \$4,687,491 is for the NFS; \$5,074,376 is for AWSS; \$956,781 is for Bond Issuance Costs. The expenditures are consistent with our spend-down forecast and are within budget.

Two Resolutions, Files 12-0533 and 12-0527, authorizing the sale and appropriation of \$40.410M respectively, were approved by the Mayor on June 25, 2012. This is the third Bond Sale for the Program and the proceeds of the sale will be appropriated exclusively for the PUC AWSS component sometime in July. The breakdown of the proceeds is discussed in the Budget, Funding Expenditures section of this report.

Other Information

For more information, visit the ESER web site at www.sfearthquakesafety.org.

PROGRAM SUMMARY AND STATUS

Public Safety Building



Location: Block 8 in the Mission Bay South Redevelopment Area. The block is bounded by Mission Rock, Third, and China Basin Streets.

Project Description: The Public Safety Building (PSB) is meant to provide a new venue for the SFPD Headquarters – effectively the command and control administration of the City’s police department-including the relocation of Southern District Station and a new Mission Bay Fire Station. Included in the project is the reuse of Fire Station #30, which will serve as a multi-purpose facility for the Fire Department and the community. Historic resource consultants have determined that the existing fire station is eligible for the National Register of Historic Places. Consistent with the Mission Bay SEIR Addendum No. 7, Mitigation Measures, Item D.02, this facility will be retained and reused in a manner that preserves its historic integrity. The other components of the project will be designed to be respectful of the historic integrity of the existing fire station.

Both the Police Headquarters and the Southern District Police station are located at 850 Bryant also known as the Hall of Justice. This facility is over 50 years old and does not meet current seismic codes and requirements. In the event of a major earthquake, this building is not expected to be operational. The PSB will provide a new venue for these two police elements that are a part of a larger strategy to replace the Hall of Justice, established in the City’s Capital Plan as the *Justice Facilities Improvement Program (JFIP)*.

Project Background: The functionality of the entire police department in the event of a major catastrophe relies on the ability of the police leadership within police command center headquarters to promptly and properly coordinate public safety services in the city. The district station plays an equally critical role in providing responsive public safety to residents of San Francisco in a timely manner. This station includes those working the front line that are the first to arrive at a crime scene, maintain the peace during difficult situations, assist in the investigation of criminal activity; provide support to other first responders including the Fire Department, the Medical Examiner and Crime Scene Investigation (CSI).

Project Status:

The Department of Building Inspection continues to review the Superstructure Permit Addendum through May and June, with an anticipated issuance of permit by August 2012. A separate Building Permit application for Fire Station 30 will be submitted in July 2012.

The Trade package procurement process - pre-qualification, RFQ advertisement and application scoring, RFP issuance, pre-bid meetings, and bid openings – occurred for various scopes-of-work during this reporting period, including Structural Steel; Structural Concrete; Flatwork Concrete (slab on metal deck); Metal Stairs and Railings; Miscellaneous Metals; Plumbing; HVAC; Electrical; Fire Protection; Elevators; and Below-grade waterproofing.

Project Schedule:

The date of project completion/occupancy of October 2014 remains true; refer to the Gantt chart in Attachment 2 for schedule detail.

Construction Activities:

- Mass excavation and installation of soil-mix walls around the basement perimeter was completed.
- Installation of tie-backs at basement level walls, including tensioning and post-grouting.
- Preparation of pile-driving at basement level commenced in June, with lime-treatment of surface soil at basement level for the sake of stabilization.

The Trade package procurement process - pre-qualification, RFQ advertisement schedules is as follows:

Trade	Tentative RFQ Issuance
Window Washing Equipment	RFP Issued
Structural Concrete	RFP Issued
Structural Steel	RFP Issued
Below Grade Waterproofing	RFP Issued
Manhoist	RFP Issued
Elevators	RFP Issued
Misc. Metals	RFP Issued
Metal Stairs	RFP Issued
Plumbing	RFP Issued
HVAC	RFP Issued

Trade	Tentative RFQ Issuance
Electrical	RFP Issued
Slabs on Metal Deck	RFP Issued
Fire Proofing	July 2012
Rough Carpentry	July 2012
Finished Carpentry	August 2012
Thermal Protection	July 2012
Architectural Concrete Walls	RFQ complete
Roofing	July 2012
Misc. Sheet Metal	July 2012
Doors, frames and hardware	July 2012
Specialty Doors	July 2012
Architectural Louvers	July 2012
Interior Glazing	August 2012
Ceramic Tiles	September 2012
Acoustical Ceilings	August 2012
Flooring	August 2012
Wall Coverings/Painting	September 2012
Equipments	August 2012
Utility Cabinet (Site) Relocation	August 2012
Landscaping	September 2012
Framing/Drywall/Plaster	July 2012
Site Barrier Equipment	September 2012
Misc. Furnishings	September 2012
Fire Station #30	July 2012
CMU	TBD

Project Budget: Refer to the Budget, Funding and Expenditures on Page 10.

Neighborhood Fire Stations & Support Facilities

Project Description: The ESER bond will renovate or replace selected fire stations to provide improved safety and a healthy work environment for the firefighters. The selected stations are determined according to their importance for achieving the most effective delivery of fire suppression and emergency medical services possible.

Project Background: Many of the 42 San Francisco Fire Stations have structural, seismic, and other deficiencies. Some may not be operational after a large earthquake or disaster; threatening the ability of the firefighters to respond to an emergency. In addition, there are other fire department resources that support and augment the capacity of the department to provide effective fire suppression capability.

Prior to approval of the bond program, the majority of the City's fire stations and support facilities were assessed for their respective condition and to identify vulnerabilities or deficiencies that could compromise their essential role as deployment venues for first responders.

For planning purposes, the assessment reports were reviewed by cost estimators who prepared estimates of the cost of correcting the conditions noted in the assessments. The cost estimates indicate only the overall "order of magnitude" of the various facility deficiencies and relative proportions of various types of work.

Preliminary assessment of the neighborhood fire stations indicate that the sum of all existing deficiencies would require a budget exceeding \$350 million to correct, significantly more funds than are available for such purposes in this bond. Therefore, additional detailed planning is required to focus the expenditures of this bond towards the most beneficial and cost effective immediate rehabilitation and/or improvement projects.

A list of projects to be completed by the ESER bond was identified by DPW and the Fire Administration, and accepted by the Fire Commission at their meeting of September 23, 2010.

The ESER bond program is anticipated to complete improvements to 16 of the 42 neighborhood fire stations, as well as the Fire Boat Station and the Equipment Logistics Center, which will consolidate the Bureau of Equipment (currently at 2501 25th Street) with the Emergency Medical Services and Arson Task Force at 1415 Evans. Direction was also provided for the preferred development of the Fire Boat Station and analysis of the feasibility for an Emergency Logistics Center (ELC). The approved slate of projects was presented to the SF Fire Commission on April 26, 2012.

Project Status: SFFD confirmed baseline slate of projects to be completed in ESER1 on February 29, 2012 as scheduled. The approved slate of projects was presented to the SF Fire Commission on April 26, 2012. See summary table at the end of this section for project list and initial program budget. Development of baseline schedule and baseline budgets for these projects are nearly complete for submittal to the SFFD for review and approval.

The following table shows the preliminary and approved program budget and the approved approximate program scope. In addition, it shows that an additional \$8.129 million from previous bond programs will supplement the ESER1 budget for New Pier Fire Boat Headquarters and other scope of work not included in ESER1 such as the Fire Boat slab repair and the Fire Station No. 1 FF&E. The \$8.129 will be appropriated through the Annual Appropriation Ordinance (AAO) FY 12/13.

SCOPE OF WORK	PROGRAM BUDGET		FUNDING		
	Preliminary ¹	Approved by SFFD	ESER1 Bonds	Other Funds	Total
PRELIMINARY SCOPE OF WORK					
Focused Scope					
Group 1: Stations 6, 13, 28, 38, 41, 42					
Group 2: Stations 10 (Alt.), 15, 17, 18, 26 (Alt.), 32 (Alt.), 40, 44					
Group 2: Stations 2, 10, 15, 17, 18, 26, 31, 32, 40					
Station 44 (Closure)					
Generators Stations 12, 21					
Focused Scope Total	4,100,000	15,370,000	15,370,000		15,370,000
Comprehensive					
Station 2 (moved to Focused Scope)	4,000,000	0			
Station 31 (Alt.) (moved to Focused Scope)	0	0			
Station 36	3,000,000	4,100,000	4,100,000		4,100,000
Seismic					
Station 5 (New Station 2-story)	7,000,000	10,800,000	10,800,000		10,800,000
Station 22	5,000,000	0	0		0
Station 9 Utility Isolation	0	200,000	200,000		200,000
Station 16 (Seismic; New Station 2-story)	0	8,400,000	8,400,000		8,400,000
Station 43	9,000,000	0	0		0
New Pier Fire Boat Headquarters	20,000,000	27,170,000	19,541,000	7,629,000	27,170,000
Equipment Logistics Center	13,000,000	2,589,000²	2,589,000		2,589,000
Program Reserve		3,000,000	3,000,000		3,000,000
Cost of Finance, GOBOC, Audit		1,100,000	1,100,000		1,100,000
Fire Boat Slab Repair (Non-ESER1 related)		200,000		200,000	200,000
Fire Station 1 FF&E (Non-ESER1 related)		300,000³		300,000	300,000
ESER NFS PROGRAM BUDGET TOTAL	65,100,000	73,229,000⁴	65,100,000	8,129,000	73,229,000

¹Based on condition assessment not project scope or SFFD approved scope.

²The approved program budget is sufficient to conduct studies and to perform minor improvements to the site.

³For items not provided by Fire Station #1 replacement project.

⁴SFFD requested that \$8.129M remaining in previous Fire Facility Bond funds supplement ESER1 funds.

Focused Scope:

SFFD has approved scope delivery methods including Micro LBE set-aside work, work performed by DPW BBR, and contracts bid to the B license community.

Design work on Groups I and II Focused Scope stations continues.

Roofs:

Bids for package 1, Station 28 roof replacement were opened on March 28, 2012. The contract with the successful bidder, Enterprise Roofing, was certified and NTP was issued on June 15, 2012. The Preconstruction period defined by the contract is underway to allow for approval of material submittals; schedule; logistics and safety plans prior to construction commencing.

Bids for Package 2, Fire Stations 2, 10 and 13 were opened on May 2, 2012. All three bidders were deemed to be non-responsive due to HRC subcontracting issues or bid form issues and the project will be rebid.

Roof designs for Packages 2, 3, and 4 (total of 10 stations: #2, 10, 13, 15, 17, 18, 26, 31, 32, 40) will be amended to APP-type material (not SBS system.) Consulting CM will perform constructability review in July, with reissuance of bid packages in July.

Exterior Envelope:

Exterior envelope bid packages for 15 stations (#2, 6, 10, 13, 15, 17, 18, 26, 28, 31, 32, 38, 40, 41, 42) will be bid in 6 packages in June through August 2012. Packages 1 and 2 each for one fire station will be bid to Micro LBE contractors as set-aside contracts. Pricing is underway for Package 3 for two fire stations 28 and 41 by DPW – BBR for in-house execution. Packages 4, 5, and 6 for 3 stations, 3 stations, and 4 stations respectively will be bid to B license contractors. These packages will closely follow the issuance of roof bid packages.

Shower reconstruction:

Three Group I prototype shower projects at Stations 6, 15 and 38 were priced by the JOC Contractor (station 15) and BBR (stations 6 and 38) and construction at Station 15 proceeded as scheduled in April 2012. Contractor changed certain installation details without prior approval, and corrective work will necessitate additional fabricated materials scheduled to be delivered to the site in August 2012. Station 15 will be successfully completed as an 'approved mock-up' prior to work commencing at Station 6 and then Station 38, both to be executed by DPW – BBR in-house forces.

DPW IDC and BBR will present proposal to complete emergency generator work to SFFD in July 2012.

Comprehensive Projects:

Schematic Design began on the Comprehensive renovation project at Station #36 on May 1, 2012 with a successful kick-off meeting. SD phase is scheduled to complete on schedule on July 16, 2012. Design services are being provided by DPW-BDC's on-call consultant, Paulett Taggart Associates. Weekly meetings were held throughout May and June to identify program, issues and design solutions.

Seismic Projects:

Conceptual design began on Fire Stations #5 and #16 replacement projects on April 16, 2012. SFFD review proceeded as scheduled on June 1 (Station 16) and June 6 (Station 5), 2012. Conceptual design continues to be refined with SFFD operational requirements and the base program. Design services are being provided by DPW's BDC and IDC in-house design groups.

The Project Review Application for the Fire Boat Station replacement projects was submitted to City Planning as scheduled on June 15, 2012. Next meeting with SF Port Planning and its historical staff regarding the application will occur with SF City Planning on July 11, 2012.

The Fire Boat Station slab replacement project completed as scheduled on June 20, 2012 in good time for the return of the fire engine to Station #35 as scheduled on July 1, 2012 per SFFD agreement with the Firefighter's Union. Punch list work will proceed in July 2012. The contractor is DPW's JOC contractor, AzulWorks.

Historic evaluation site visits were completed at 21 stations (14 Focused Scope / Alternate stations; 6 Seismic / Comprehensive stations; and the Fire Boat station.) On August 31, 2011 City Planning issued a memorandum outlining requirements of a Historic Resource Evaluation (HRE) of the 5 stations identified as potential historic resources: Stations #5, #31, #32, #36, and #44. The HRE report will assess potential impacts to both historic resources listed above, as well as to five stations identified as contributors to a potential 1952 Fire Bond Act Thematic Historic District, Stations #10, #15, #17, #38, and #41. The Historic evaluation of Station 16 was completed in February 2012.

The cost estimate for a prospective ELC program sited at the lot behind Station 9 was completed in February 2012. SFFD directed DPW to proceed with alternative studies evaluating alternative sites for a more cost effective solution.

Project Schedule: Per SFFD direction, the Assessment Review and cost estimates for the Group 3 facilities will be completed and reviewed for a holistic approval process for Group 1, 2, and 3 facilities. Group 3 Assessment reports were completed on schedule and SFFD approval was given on February 29, 2012. Next step is creation of the baseline schedule for SFFD approval. Included in this report are preliminary schedules for the approved slate of projects.

Project Budget:

Refer to the Budget, Funding and Expenditures on Page 10.

Auxiliary Water Supply System (AWSS)

Project Description: The Earthquake Safety and Emergency Response Bond will improve and seismically upgrade the cisterns and AWSS pipelines, tunnels, and physical plant.

Project Background: The AWSS is a stand-alone high-pressure fire-fighting water system that is vital for protecting against the loss of life, homes, and businesses from fire following an earthquake. It is also used for the suppression of non-earthquake multiple-alarm fires.

Project Status: Work is in the planning or design phase for cisterns, pipelines, tunnels, and physical plants, as follows.

Planning - Cisterns, Pipelines, and Tunnels

AECOM/AGS JV continued work on the Planning Support Services project. Project deliverables will define a preferred repair, improvement, and expansion strategy and a capital improvement program for the cisterns and AWSS pipelines, tunnels, and physical plants to increase fire-protection water delivery seismic reliability.

Work included determination of reliability modeling methods and initiation of reliability modeling computations, seawater tunnel investigation, and review of draft technical memoranda (Needs Assessment, Performance Criteria, Geotechnical, Control System, Cisterns, Performance Goals and Evaluation Criteria, Reliability Modeling, and Hydraulic Modeling). The consultant and city staff met with the Steering Committee on April 18 and the Technical Advisory Panel on April 19. The draft project report is due by November 2012.

Physical Plants

The Engineering Management Bureau (EMB) continued design work for Ashbury Tank, Jones Street Tank, Pumping Station 1, and Twin Peaks Reservoir. EMB also continued Pumping Station 2 conceptual engineering work.

Cisterns

Design work continued for new cistern candidate locations and repair of existing cisterns. Site surveying was completed, utility information was collected, and environmental review work began for the first 16 new candidate locations. Dewatering, cleaning, engineering investigation, professional imaging, and re-filling were completed for 14 of the 19 repair candidates. Environmental review work began for the cistern repairs.

Project Schedule:

Refer to the Gantt Chart in Attachment 2.

Project Budget:

Refer to the Budget, Funding and Expenditures on Page 10.

BUDGET, FUNDING AND EXPENDITURES

Budget and Funding

The budget for the ESER1 Bond Program is \$412,300,000.

Two Resolutions, Files 12-0533 and 12-0527, authorizing the sale and appropriation of \$40.410M respectively, were approved by the Mayor on June 25, 2012. This is the third Bond Sale for the Program and the proceeds of the sale will be appropriated exclusively for the PUC AWSS component sometime in July as follows:

Component	Budget	First	Second	Third	Total	Future
Public Safety Building (PSB)	239,000,000	66,596,285	160,620,973	0	227,217,258	11,782,743
Neighborhood Fire Stations (NFS)	72,129,000 (1)	3,627,397	21,073,913	0	24,701,310	39,298,690
Auxiliary Water Supply System (AWSS)	102,400,000	8,396,928	0	38,000,000	46,396,928	56,003,072
Subtotal	413,529,000	78,620,610	181,694,886	38,000,000	298,315,496	107,084,504
Controller's Audit Fund (two tenths of 1%)	827,058	157,241	363,390	76,000	596,631	230,427
General Obligation Bond Oversight Committee (one tenth of 1%)	413,529	79,520	183,330	38,485	301,335	112,194
Cost of Issuance (Estimated)	5,659,413	662,629	1,088,394	370,515	2,121,538	3,537,875
Subtotal	6,900,000	899,390	1,635,114	485,000	3,019,504	3,880,496
Total ESER1	420,429,000 (1)	79,520,000	183,330,000	38,485,000	301,335,000	110,965,001

Reserve Pending Bond Sale⁽²⁾ 1,925,000

Total Third Bond Sale Request 40,410,000

(1) The budget for NFS increased by \$8.129M from \$64M to \$72.129 to include previous Fire Facility Bond Funds to supplement ESER1 NFS funds. As a result, the overall budget increased from \$412.3M to \$420.429M

(2) The entire \$40.410 is expected to be placed on Controller's Reserve pending the sale of the bonds. The amount of the Reserve Pending Bond Sale is subject to change due to bond market conditions at the time of sale. The Controller's Office will make technical adjustments based on the sale results.

The budget for PSB is \$239,000,000. The appropriation of \$227,217,258 reflects the proceeds of the first and second bond sales. These changes are reflected in Attachment 1 – Program Budget Report. A future sale totaling \$11,782,743 would be necessary to supplement the remainder of the component.

The budget for Neighborhood Fire Stations & Support Facilities is \$64,000,000. The appropriation of \$24,701,310 reflects the proceeds of the first and second bond sales. As mentioned earlier, an additional \$8,129,000 will be appropriated through the Annual Appropriation Ordinance (AAO) FY 12/13 to supplement the ESER1 Neighborhood Fire Stations & Support Facilities increasing the budget from \$64,000,000 to \$73,229,000 and will augment the budget for New Pier Fire Boat Headquarters and fund other scope of work not included in ESER1 such as the Fire Boat slab repair and the Fire Station No. 1 FF&E. Note, however, that the \$1,100,000 budgeted for the cost of finance, GOBOC, Audit will be tracked and reported separately. Therefore, the budget reflected in Attachment 1 – Program Budget Report will be \$72,129,000. One or more future sales totaling \$39,298,690 would be necessary to supplement the remainder of the component.

The budget AWSS is \$102,400,000. An appropriation of \$8,396,929 was allocated from the proceeds from the First Bond Sale. This is reflected in Attachment 1 – Program Budget Report. The proceeds of the third bond sale of \$38M are expected in July. The appropriation increase to \$46,396,928 will be included in Attachment 1 – Program Budget

Report next quarterly report. One or more future sales totaling \$56,003,072 would be necessary to supplement the remainder of the component.

The budget for other costs such as the Controller’s Audit Fund, Citizens GOB Bond Oversight Committee, Cost of Issuance and underwriters’ Discount is \$6,900,000. The appropriation of \$2,649,504 reflects the proceeds of the first and second bond sales. These changes are reflected in Attachment 1 – Program Budget Report. The proceeds of the third bond sale of \$485,000 will be incorporated in Attachment 1 – Program Budget Report next quarterly report.

Expenditures

The City Job Orders and Encumbrances through June 30, 2012 are \$230,302,816 which represents 55% of the Budget or 88% of the first and second bond sales. The expenditures through June 30, 2012 are \$39,316,720 which represents 9% of the Budget. The following is a summary:

Component	A	B	C	D	Percentages		
	Budget	First & Second Bond Sales	City Job Orders & Encumbrances	Expenditures	C/A	C/B	D/A
Public Safety Building	\$239,000,000	227,217,258	\$209,676,985	28,598,073	88%	92%	12%
Neighborhood Fire Stations	\$72,129,000	24,701,310	\$9,694,400	4,687,491	13%	39%	6%
Auxiliary Water Supply System	\$102,400,000	8,396,928	\$8,396,928	5,074,376	8%	100%	5%
Oversight, Accountability & Cost of Issuance	\$6,900,000	2,534,505	\$2,534,504	956,781	37%	100%	14%
Total	\$420,429,000	\$262,850,000	\$230,302,816	\$39,316,720	55%	88%	9%
Plus funds allocated as Job Order Reserve			\$32,547,183				
Total			\$262,850,000				

The expenditures are consistent with our spend-down forecast and are within budget.

Refer to Attachment 1 – Program Budget Report for a detailed breakdown of the expenditures.

ATTACHMENT 1 – PROGRAM BUDGET REPORT

**Earthquake Safety & Emergency Response Bond Program
Program Budget Report - Expenditures as of 06/30/12**

Status	Project	Category	Pre-Baseline Budget	Appropriated	FAMIS			
					Reserve	Expended	Encumbrance	Balance
PUBLIC SAFETY BUILDING								
DESIGN	PUBLIC SAFETY BUILDING							
DEVELOPMENT	(CESER1 PS; 7400A & 7410A)	Soft Costs	44,066,886	35,625,197		22,209,581	7,301,962	6,113,654
		Construction	183,100,000	179,889,796		6,388,492	166,438,843	7,062,461
		Project Contingency	11,833,114	11,702,265				11,702,265
		Subtotal	239,000,000	227,217,258	0	28,598,073	173,740,805	24,878,380
NEIGHBORHOOD FIRE STATIONS								
VARIOUS	FOCUSED SCOPE							
	(CESER1 FS 31, 32, 34, 35, 36, 37, 38, 39)	Soft Costs	999,799	999,799		535,677	0	464,122
	(Job Orders 7431A, 7432A, 7434A, 7435A, 7436A, 7437A, 7438A, 7439A)	Construction	9,108,148	9,108,148		845,155	397,918	7,865,075
		Construction Contingency	2,277,037	2,277,037				2,277,037
		Subtotal	12,384,984	12,384,984	0	1,380,832	397,918	10,606,234
PLANNING	COMPREHENSIVE: STATION 36							
	(CESER1 FS27; Job Order 7427A)	Soft Costs	843,737	1,000,000		47,682	483,653	468,665
		Construction	1,968,000					0
		Construction Contingency	492,000					0
		Subtotal	3,303,737	1,000,000	0	47,682	483,653	468,665
PLANNING	SEISMIC: STATION 5 (New 2-story)							
	(CESER1 FS40; Job Order 7440A)	Soft Costs	2,115,388	1,500,000		64,427	60,282	1,375,291
		Construction	5,832,000					0
		Construction Contingency	648,000					0
		Subtotal	8,595,388	1,500,000	0	64,427	60,282	1,375,291
PLANNING	SEISMIC: STATION 9 UTILITY ISOLATION							
	(CESER1 FS41; Job Order 7441A)	Soft Costs	80,000	80,000		0	0	80,000
		Construction	96,000	96,000				96,000
		Construction Contingency	24,000	24,000				24,000
		Subtotal	200,000	200,000	0	0	0	200,000
PLANNING	SEISMIC: STATION 16 (New 2-story)							
	(CESER1 FS42; Job Order 7442A)	Soft Costs	1,645,302	1,500,000		70,243	62,304	1,367,453
		Construction	4,536,000					0
		Construction Contingency	504,000					0
		Subtotal	6,685,302	1,500,000	0	70,243	62,304	1,367,453
PLANNING	NEW PIER FIRE BOAT HEADQUARTERS							
	(CESER1 FS24; Job Order 7424A)	Soft Costs	5,321,767	590,288		57,368	0	532,920
		Construction	13,041,600					0
		Project Contingency	3,260,400					0
		Subtotal	21,623,767	590,288	0	57,368	0	532,920
PLANNING	EQUIPMENT LOGISTICS CENTER							
	(CESER1 FS26; Job Order 7426A)	Soft Costs	2,534,687	100,000		0	0	100,000
		Construction						0
		Project Contingency						0
		Subtotal	2,534,687	100,000	0	0	0	100,000
PLANNING	PROGRAM-WIDE SOFT COSTS & PROGRAM RESERVE							
	(CESER1 FS20; CESER1 FS30 Job Orders 7420A; 7430A)	Soft Costs	13,246,823	6,871,726		2,972,453	552,336	3,346,937
		Construction						0
		Program Reserve	3,000,000					0
		Subtotal	16,246,823	6,871,726	0	2,972,453	552,336	3,346,937
PLANNING	FIRE BOAT SLAB REPAIR (Non-ESER1 related)							
	(CESER1 FS33; Job Order 7433A)	Soft Costs	76,312	132,157		94,486	6,294	31,377
		Construction	178,000	122,155			122,155	0
		Project Contingency						0
		Subtotal	254,312	254,312	0	94,486	128,449	31,377

Status	Project	Category	Pre-Baseline Budget	Appropriated	Reserve	FAMIS		
						Expended	Encumbrance	Balance
PLANNING	FIRE STATION NO. 1 FF&E (Non-ESER1 related) (CESER1 FS43; Job Order 7443A)	Soft Costs	300,000	300,000				300,000
		Construction						0
		Project Contingency						0
		Subtotal	300,000	300,000	0	0	0	300,000
PLANNING	NEIGHBORHOOD FIRE STATIONS SUMMARY (CESER1 FS)	Soft Costs	27,163,815	13,073,970	0	3,842,336	1,164,869	8,066,765
		Construction	34,759,748	9,326,303	0	845,155	520,073	7,961,075
		Project Contingency	10,205,437	2,301,037	0	0	0	2,301,037
		Subtotal	72,129,000 ^(*)	24,701,310	0	4,687,491	1,684,942	18,328,877
AUXILIARY WATER SUPPLY SYSTEM (AWSS)								
PRE-BOND PLANNING AND DEVELOPMENT								
PLANNING	Pre-Bond Planning and Development	Soft Costs	1,316,963	1,316,963		1,316,963 ^(1a)		0
		Construction	0					0
		Project Contingency						0
		Subtotal	1,316,963	1,316,963	0	1,316,963	0	0
AUXILIARY WATER SUPPLY SYSTEM (AWSS)								
PLANNING	Jones Street Tank	Soft Costs	2,076,468	631,934		447,147	26,180	158,607
		Construction	4,337,415					0
		Project Contingency						0
		Subtotal	6,413,883	631,934	0	447,147	26,180	158,607
PLANNING	Ashbury Heights Tank	Soft Costs	1,918,310	649,335		323,479	31,045	294,811
		Construction	3,903,520					0
		Project Contingency						0
		Subtotal	5,821,830	649,335	0	323,479	31,045	294,811
PLANNING	Twin Peaks Reservoir	Soft Costs	1,566,210	611,840		357,574	74,479	179,787
		Construction	2,676,819					0
		Project Contingency						0
		Subtotal	4,243,029	611,840	0	357,574	74,479	179,787
PLANNING	Pump Station No. 1	Soft Costs	1,042,584	496,400		290,233	31,174	174,993
		Construction	2,411,044					0
		Project Contingency						0
		Subtotal	3,453,628	496,400	0	290,233	31,174	174,993
PLANNING	Pump Station No. 2	Soft Costs	4,504,461	660,442		532,261	50,502	77,679
		Construction	9,507,401					0
		Project Contingency						0
		Subtotal	14,011,862	660,442	0	532,261	50,502	77,679
FIREFIGHTING CISTERNS								
PLANNING	Contract No. 1	Soft Costs	1,184,836	416,312		382,781	187	33,344
		Construction	2,367,467					0
		Project Contingency						0
		Subtotal	3,552,303	416,312	0	382,781	187	33,344
PLANNING	Contract No. 2	Soft Costs	3,069,420	759,402		102,397	256,098	400,907
		Construction	7,587,489					0
		Project Contingency						0
		Subtotal	10,656,909	759,402	0	102,397	256,098	400,907
PLANNING	Contract No. 3	Soft Costs	2,834,277	79,000		933	0	78,067
		Construction	7,822,632					0
		Project Contingency						0
		Subtotal	10,656,909	79,000	0	933	0	78,067

Status	Project	Category	Pre-Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
PLANNING	Contract No. 4	Soft Costs	2,775,863	5,000		0	0	5,000
		Construction	7,881,046					0
		Project Contingency						0
		Subtotal	10,656,909	5,000	0	0	0	5,000
PRE-DESIGN	FIREFIGHTING PIPES AND TUNNELS AWSS Modernization CIP Study	Soft Costs	3,000,000	2,468,500		1,115,027	437,947	915,526
		Construction						0
		Project Contingency						0
		Subtotal	3,000,000	2,468,500	0	1,115,027	437,947	915,526
PLANNING	Contract No. 1	Soft Costs	2,637,146	301,800		205,581	0	96,219
		Construction	6,806,129					0
		Project Contingency						0
		Subtotal	9,443,275	301,800	0	205,581	0	96,219
PLANNING	Contract No. 2	Soft Costs	2,637,146	0		0	0	0
		Construction	6,806,129					0
		Project Contingency						0
		Subtotal	9,443,275	0	0	0	0	0
PLANNING	Contract No. 3	Soft Costs	2,687,401	0		0	0	0
		Construction	7,041,824					0
		Project Contingency						0
		Subtotal	9,729,225	0	0	0	0	0
AUXILIARY WATER SUPPLY SYSTEM (AWSS)								
		Soft Costs	33,251,085	8,396,928	0	5,074,376	907,612	2,414,940
		Construction	69,148,915	0	0	0	0	0
		Project Contingency	0	0	0	0	0	0
		Subtotal	102,400,000	8,396,928	0	5,074,376 ^{(1)(b)}	907,612	2,414,940
ESER		Soft Costs	104,481,786	57,096,095	0	31,126,292	9,374,443	16,595,360
		Construction	287,008,663	189,216,099	0	7,233,647	166,958,916	15,023,536
		Project Contingency	22,038,551	14,003,302	0	0	0	14,003,302
		Subtotal	413,529,000	260,315,496	0	38,359,939	176,333,359	45,622,198
BOND OVERSIGHT/ACCOUNTABILITY			6,900,000	783,481				783,481
BOND COST OF ISSUANCE				1,751,024 ^(2a)		956,781 ^(2a)		794,243
TOTAL BOND PROGRAM			420,429,000⁽⁴⁾	262,850,000	0	39,316,720	176,333,359	47,199,921

Per FAMIS fiscal month 12 2012 (June 2012), the actual expenditures are \$64,444,509. The variances are as follows:

(1) The transfer out to PUC AWSS is shown as actual (0935W OTO TO 5W-WATER DE)

(a) less \$1,316,936 for forecasted pre-bond expenditures not yet posted in FAMIS. Expenditures currently reside under DPW.

(b) less \$1,920,460 for actuals per FAMIS Project structure CUW AWS AW

(2) The underwriters discount of \$211,953 was separated from the premium \$5,118,923 as follows:

(a) deducted underwriters discount \$211,953 from 0934G OTO TO 4D/GOB-GEN and added it to 07311 BOND ISSUANCE COST

(3) The Second Bond Sale premium of \$16,898,267 (0934G)

Total

(4) The budget increased by \$8,129M from \$412.3M to \$420,429M to include previous Fire Facility Bond Funds to supplement ESER1 NFS funds

\$8,396,928

(\$1,316,963)

(\$3,757,413)

\$5,118,923

(\$211,953)

\$16,898,268

\$64,444,501

Prepared by the Department of Public Works, revised 07/14/12

ATTACHMENT 2 – TIMELINE AND SCHEDULE

EARTHQUAKE SAFETY EMERGENCY RESPONSE BOND PROGRAM

Timeline and Schedule

Description	BUDGET	Schedule		FY 10/11				FY 11/12				FY 12/13				FY 13/14				FY 14/15				FY 15/16				FY 16/17				FY 17/18				FY 18/19			
				2010		2011		2011		2012		2012		2013		2013		2014		2014		2015		2015		2016		2016		2017		2017		2018		2018		2019	
				1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.				
6/30/2012																																							
PUBLIC UTILITIES COMMISSION / AUXILIARY WATER SUPPLY SYSTEM (AWSS)																																							
PRE-BOND PLANNING AND DEVELOPMENT																																							
Original/Baseline Budget	1,316,963	07/01/09	12/31/10	1,316,963																																			
Current/Approved	1,316,963																																						
Current/Projected	1,316,963																																						
Actual	1,316,963																																						
AWSS JONES STREET TANK																																							
Original/Baseline Budget	6,413,883	08/01/11	01/27/12	179,000				902,000		5,332,881																													
		01/30/12	02/25/13					Design		Construction																													
		02/26/13	06/30/15																																				
Current/Approved	6,413,883																																						
Current/Projected	6,413,883																																						
Actual	447,147																																						
AWSS ASHBURY HEIGHTS TANK																																							
Original/Baseline Budget	5,821,830	07/25/11	02/29/12	148,000				1,044,000		4,629,830																													
		02/29/12	02/26/13					Design		Construction																													
		02/26/13	10/28/15																																				
Current/Approved	5,821,830																																						
Current/Projected	5,821,830																																						
Actual	323,479																																						
AWSS TWIN PEAKS RESERVOIR																																							
Original/Baseline Budget	4,243,029	06/01/11	01/30/12	204,000				704,000		3,335,029																													
		01/30/12	02/25/13					Design		Construction																													
		02/26/13	06/30/15																																				
Current/Approved	4,243,029																																						
Current/Projected	4,243,028																																						
Actual	357,574																																						
AWSS PUMP STATION NO. 1																																							
Original/Baseline Budget	3,453,628	7/25/2011	1/31/2012	129,000				857,000		2,467,628																													
		1/31/2012	2/25/2013					Design		Construction																													
		2/26/2013	4/20/2015																																				
Current/Approved	3,453,628																																						
Current/Projected	3,453,629																																						
Actual	290,233																																						
AWSS PUMP STATION NO. 2																																							
Original/Baseline Budget	14,011,862	7/25/2011	9/25/2012	538,000				1,897,000		11,576,862																													
		9/26/2012	2/28/2014					Design		Construction																													
		5/1/2014	9/26/2016																																				
Current/Approved	14,011,862																																						
Current/Projected	14,011,862																																						
Actual	532,261																																						

EARTHQUAKE SAFETY EMERGENCY RESPONSE BOND PROGRAM

Timeline and Schedule

Description	BUDGET	Schedule Start Completion		FY 10/11				FY 11/12				FY 12/13				FY 13/14				FY 14/15				FY 15/16				FY 16/17				FY 17/18				FY 18/19														
				2010		2011		2011		2012		2012		2013		2013		2014		2014		2015		2015		2016		2016		2017		2017		2018		2018		2019												
				1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.															
6/30/2012																																																		
FIREFIGHTING CISTERNS - CONTRACT NO. 1																																																		
Original/Baseline Budget	3,552,303	7/8/2011	1/30/2012																																															
		1/30/2012	6/28/2012																																															
		6/29/2012	6/26/2014																																															
Current/Approved	3,552,303																																																	
Current/Projected	3,552,303																																																	
Actual	382,781																																																	
FIREFIGHTING CISTERNS - CONTRACT NO. 2																																																		
Original/Baseline Budget	10,656,909	10/3/2011	1/30/2012																																															
		1/30/2012	10/26/2012																																															
		10/29/2012	2/23/2015																																															
Current/Approved	10,656,909																																																	
Current/Projected	10,656,909																																																	
Actual	102,397																																																	
FIREFIGHTING CISTERNS - CONTRACT NO. 3																																																		
Original/Baseline Budget	10,656,909	10/3/2011	4/2/2012																																															
		4/3/2012	4/17/2014																																															
		4/18/2014	8/12/2016																																															
Current/Approved	10,656,909																																																	
Current/Projected	10,656,909																																																	
Actual	933																																																	
FIREFIGHTING CISTERNS - CONTRACT NO. 4																																																		
Original/Baseline Budget	10,656,909	10/3/2011	4/2/2012																																															
		4/3/2012	4/17/2014																																															
		10/16/2014	4/19/2017																																															
Current/Approved	10,656,909																																																	
Current/Projected	10,656,909																																																	
Actual	0																																																	
FIREFIGHTING PIPES AND TUNNELS - AWSS MODERNIZATION CIP STUDY																																																		
Original/Baseline Budget	3,000,000	5/2/2011	9/30/2013																																															
Current/Approved	3,000,000																																																	
Current/Projected	3,000,000																																																	
Actual	1,115,027																																																	

ATTACHMENT 3 – CONTACT INFORMATION

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