



Earthquake Safety and Emergency Response Bond Program

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

Interviews of five proposer teams were held for Materials Testing and Special Inspection in September with determination of two selected proposers to occur in October.

Public Safety Building

100% Design Development for Public Safety Building was achieved in October 2011, followed by issuance of 30% Construction Documents in December 2011. 100% Design Development for Fire Station #30 was achieved in December.

Neighborhood Fire Stations & Support Facilities

The four Group I prototype roof projects are nearly complete, with completion scheduled for January 2012. Group I prototype shower projects were priced by the JOC contractor in December, and construction is scheduled to proceed in February 2012. Project Group III reports are complete and have been reviewed by SFFD. Per SFFD direction, Station 43 has been substituted with Station 9, and Pre-Design and cost estimation for this station will proceed in January 2012. With this last piece in hand, SFFD will confirm baseline budget and schedule for Groups I, II, and III projects in February 2012. The Equipment Logistics Center draft final report was presented to SFFD in December 2011, and the architectural team will complete the report in January 2012. The Fire Boat Station planning options were completed and estimated in December 2012 and presented to SFFD. Meetings with SFFD and SF Port will occur in January to confirm the preferred option for development.

Auxiliary Water Supply System

Consultant AECOM/AGS JV began working 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 conceptual engineering work for Ashbury Tank, Jones Street Tank, Pumping Station 1, Pumping Station 2, and Twin Peaks Reservoir.

Sediment removal from the seawater tunnels is being managed by the City Distribution Division (CDD) within San Francisco Water Power Sewer. Schedule updates will be provided by CDD when available.

Planning work continued to evaluate potential locations for the construction of new cisterns and to prioritize repair of existing cisterns. AECOM/AGS JV will perform additional cistern evaluations as part of their planning work.

Budget

The ESER has expended \$19,320,027 through December 31, 2011. Out of the \$19,320,027, \$13,333,597 is for the Public Safety Building; \$3,043,978 is for the NFS; \$2,300,153 is for AWSS; \$642,299 is for Bond Issuance Costs. The expenditures are consistent with our spend-down forecast and are within budget.

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: 100% Design Development documents for the Public Safety Building (PSB) were issued in October, followed by 30% Construction Document issuance for the PSB in December. 100% Design Development documents for the Fire Station #30 was issued in December.

The Site Permit application was submitted in October to the Dept. of Building Inspection. Site Permit issuance is anticipated by February 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 temporary water, fire sprinkler (DB), dewatering, clear & grub, excavation, piles/ indicator piles, curtainwall, and temporary electric power.

Project Schedule: Pankow Builders attended a small business and LBE fair on (date?). Trade bid opportunities were presented as follows:

Trade	Tentative RFQ Issuance
Fire Sprinkler – DB	November 2011
Window Washing Equipment	December 2011
Rebar	December 2011
Structural Steel	December 2011
Below Grade Waterproofing	January 2012
Elevators	January 2012
Misc. Metals	February 2012
Metal Stairs	February 2012
Plumbing	February 2012
HVAC	February 2012
Electrical	February 2012
Slabs on Metal Deck	March 2012
Manhoist	March 2012
Architectural Blast Walls	April 2012
Fire Proofing	April 2012
Rough Carpentry	April 2012
April 2012 Finished Carpentry	April 2012
Thermal Protection	April 2012
Misc. Sheet Metal	April 2012
Doors	April 2012

Trade	Tentative RFQ Issuance
Interior Glazing	April 2012
Ceramic Tiles	April 2012
Acoustical Ceilings	April 2012
Flooring	April 2012
Wall Coverings	April 2012
Equipments	April 2012
Specialty Doors	April 2012
Furnishings	April 2012
Landscaping	April 2012
Drywall	May 2012
Site Barrier Equipment	May 2012
Fire Station #30	May 2012
Roofing	June 2012
CMU	June 2012

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. The corresponding budget of \$64 million is preliminarily budgeted as follows:

Project Status: SFFD has reviewed DPW and consultant team Assessment Reports for each of the fourteen Group 1 and Group 2 Stations. Per SFFD direction, DPW is proceeding with design and construction of Focused Scope work, beginning with prototype roofs and showers. The four Group I prototype roof projects at Stations 6, 38, 41 and 42 are nearly complete, with completion scheduled for January 2012. Three Group I prototype shower projects at Stations 6, 15 and 38 were priced by the JOC contractor in December, and construction is scheduled to proceed in February 2012.

Group 3 reports and cost estimating were completed in November 2011, and have been reviewed by SFFD. The Structural Report at Station 43 concluded that the seismic need is in fact a medium priority, and not a high priority. High priority stations take precedence for first completion. ESER 1 will complete 50% of the high priority seismic needs. Accordingly, per direction, Station 43 has been substituted with Station 9, a high priority seismic need and Battalion station. Like Station 43, Station 9 is located in the Southern area of the City, and when closed its companies will be temporarily housed in the previously identified Focused Scope stations. Pre-Design and cost estimation for this station will proceed in January 2012. SFFD will evaluate and approve complete recommended scope packages when the Group 3 project Assessment Reports and cost estimates, including Station 9, are completed.

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 potential 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 ELC program draft final report was completed in December 2011 and presented to SFFD. SFFD direction is to perform a feasibility analysis of the lot behind Station 9 in order to identify preferred scope and budget for work to be completed in ESER 1.

Functional Program and Planning Options Analysis draft report for the Fire Boat Station #35 was completed in December 2011 and presented to SFFD. Meeting with SFFD and Port staff is scheduled for January 2012 to identify the preferred alternative by February 2012.

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 is anticipated for February 2012.

Construction of the first four roofs at Stations #6, #38, #41, and #42 progressed well in the fourth quarter of 2011. The construction schedule is extended to January 31, 2012 to address correction of some workmanship issues, address additional work to correct substrate conditions, address material delivery and other delays with completion. SFFD concurred with the need for additional time to complete the projects in the best manner possible and have accepted the schedule extension.

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 plants.

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: Most of the work is in the planning phase for cisterns, pipelines, tunnels, and physical plants, as follows.

Planning - Cisterns, Pipelines, and Tunnels

AECOM/AGS JV began work on the Planning Support Services project. Numerous meetings were conducted to collect information needed by the consultant. 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. The project initiation meeting was held October 14. The draft project report is due by November 2012.

Physical Plants

The Engineering Management Bureau (EMB) continued conceptual engineering work for Ashbury Tank, Jones Street Tank, Pumping Station 1, Pumping Station 2, and Twin Peaks Reservoir. Geotechnical site investigations were completed at these locations. Materials testing was completed at Twin Peaks Reservoir. Debris removal was completed at Twin Peaks Reservoir, allowing structural engineering investigation of the reservoir liner and dividing wall.

A new 16" diameter supply pipe from the Summit Reservoir gravity discharge line to Twin Peaks Reservoir was constructed.

Seawater Tunnels

Sediment removal from the seawater tunnels is being managed by the City Distribution Division (CDD) within San Francisco Water Power Sewer. Schedule updates will be provided by CDD when available.

Cisterns

Planning work continued to evaluate potential locations for the construction of new cisterns and to prioritize repair of existing cisterns. Field data used for leakage rate estimation was provided by the Fire Department. AECOM/AGS JV will perform additional cistern evaluations as part of their planning work.

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 ESER Bond Program is \$412,300,000. The Program received \$79,520,000 from the proceeds of the First Bond Sale.

Since our last report, the amount of our Second Bond Sale Request was reduced by \$22,535,000 - from \$214,535,000 to \$192,000,000. The reason is that San Francisco Water Power Sewer preferred not to request any funds from the second ESER bond sale and appropriation for the AWSS projects because they wished to further assess their expected scope of service before requesting additional bond funds

Two Resolutions, Files 11-1344 and 11-1333, authorizing the sale and appropriation of \$192,000,000 respectively, were introduced to the Board of Supervisors in December. The Finance Committee is schedule to render their recommendation in January. The breakdown of the proceeds will be allocated as follows:

Component	Budget	First	Second	Total	Future
Public Safety Building	239,000,000	66,596,285	160,620,973	227,217,258	11,782,743
Neighborhood Fire Stations	64,000,000	3,627,397	21,073,913	24,701,310	39,298,690
Auxiliary Water Supply System	102,400,000	8,396,928	0	8,396,928	94,003,072
Oversight, Accountability and Cost of Issuance	6,900,000	899,390	1,750,114	2,649,504	4,250,496
Total	412,300,000	79,520,000	183,445,000	262,965,000	149,335,000

Reserve Pending Bond Sale **8,555,000**

Total Second Bond Sale Request **192,000,000**

The budget PSB is \$239,000,000. An appropriation of \$66,596,284 was allocated from the proceeds of the First Bond Sale. The Second Bond Sale of \$160,620,973 would increase the appropriation to \$227,217,257. Future sale(s) of \$11,782,743 would fund the remainder of the component. Last quarter, the appropriation was reduced by \$3,500,000 from \$66,596,284 to \$63,096,284 and transferred to the NFS. Once the proceeds of the Second Bond Sale are received, the \$3,500,000 will be re-appropriated to the PSB. The remaining \$63,096,284 is sufficient to fund current contracts and future trade package buyouts. These changes are reflected in Attachment 1 – Program Budget Report.

The budget for the NFS is \$64,000,000. An appropriation of \$3,627,397 was allocated from the proceeds of the First Bond Sale. The appropriation increased by \$3,500,000 from \$3,627,397 to \$7,127,397 to allow the project manager to award construction contracts in the Fall 2011. The Second Bond Sale of \$21,073,913 would increase the appropriation to \$21,073,913. One or more future sales totaling \$39,298,690 would be necessary to supplement the remainder of the component. Once the proceeds from the Second Bond Sale are received, the \$3,500,000 will be returned to PSB. These changes are reflected in Attachment 1 – Program Budget Report.

The budget AWSS is \$102,400,000. An appropriation of \$8,396,929 was allocated from the proceeds from the First Bond Sale. One or more future sales totaling \$94,003,072 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. An appropriation of \$899,390 was allocated from the proceeds from the First Bond Sale. The estimated costs associated with the Second Bond Sale are \$1,750,114 and would increase the appropriation to \$2,649,504.

Expenditures

The City Job Orders and encumbrances through December 31 are \$58,484,965 which represents about 14% of the Budget or 74% of the First Bond Sale. The following is a summary:

Component	A	B	C	D	Percentages		
	Budget	First Bond Sale	City Job Orders & Encumbrances	Expenditures	C/A	C/B	D/A
Public Safety Building	\$239,000,000	63,096,284	\$44,648,230	13,333,597	19%	71%	6%
Neighborhood Fire Stations	\$64,000,000	7,127,397	\$4,540,417	3,043,978	7%	64%	5%
Auxiliary Water Supply System	\$102,400,000	8,396,928	\$8,396,928	2,300,153	8%	100%	2%
Oversight, Accountability & Cost of Issuance	\$6,900,000	899,391	\$899,390	642,299	13%	100%	9%
Total	\$412,300,000	\$79,520,000	\$58,484,965	\$19,320,027	14%	74%	5%

Note:

The expenditures in the previous report of \$19,837,192 included \$4,906,970 for operating transfer outs such as debt service. These costs will be excluded from this and future reports as they are not related to the ESER.

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 12/31/11**

The amounts under the "Baseline Budget" for the Neighborhood Fire Stations and the Auxiliary Water Supply System (AWSS) projects are place holders owing the need to sufficiently develop the projects to a level where baseline budgets can be reliably offered and will serve as the basis for measuring accountability going forward.

Status	Project	Category	Pre-Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
<u>PUBLIC SAFETY BUILDING</u>								
DESIGN	PUBLIC SAFETY BUILDING							
DEVELOPMENT	(CESER1 PS; 7400A & 7410A)	Soft Costs	41,619,000	46,662,906		13,333,597	9,987,562	23,341,747
		Construction	168,100,000	16,433,378			16,433,378	0
		Project Contingency	29,281,000					0
		Subtotal	239,000,000	63,096,284	0	13,333,597	26,420,940	23,341,747
<u>NEIGHBORHOOD FIRE STATIONS</u>								
Pre-Bond	PROGRAMMING AND PROJECT DEVELOPMENT							
	(CESER1 FS20; Job Order 7420A)	Soft Costs	1,015,668	1,015,668		1,015,668		0
		Construction						0
		Project Contingency						0
		Subtotal	1,015,668	1,015,668	0	1,015,668	0	0
PLANNING	PROJECT MANAGEMENT							
	(CESER1 FS30; Job Order 7430A)	Soft Costs	2,726,331	3,499,629		721,578		2,778,051
		Construction						0
		Project Contingency	TBD					0
		Subtotal	2,726,331	3,499,629	0	721,578	0	2,778,051
PLANNING	PRE-DESIGN SERVICES FOCUSED SCOPE/ COMPREHENSIVE & SEISMIC							
	(CESER1 FS30; Job Order 7430A)	Soft Costs	1,041,000	297,226		569,197	140,593	-412,564
		Construction						0
		Project Contingency	TBD					0
		Subtotal	1,041,000	297,226	0	569,197	140,593	-412,564
PLANNING	CONSTRUCTION MANAGEMENT SUPPORT SVCS.							
	(CESER1 FS30; Job Order 7430A)	Soft Costs	2,840,000	600,000		0	0	600,000
		Construction						0
		Project Contingency	TBD					0
		Subtotal	2,840,000	600,000	0	0	0	600,000
PLANNING	MATERIALS TESTING SPECIAL INSPECTION							
	(CESER1 FS30; Job Order 7430A)	Soft Costs	460,000	460,000				460,000
		Construction						0
		Project Contingency	TBD					0
		Subtotal	460,000	460,000	0	0	0	460,000
PLANNING	SEISMIC / COMPREHENSIVE Station 2							
	(CESER1 FS26; Job Order 7426A)	Soft Costs	120,412	5,000				5,000
		Construction	580,000					0
		Project Contingency	TBD					0
		Subtotal	700,412	5,000	0	0	0	5,000
PLANNING	Stations 5							
	(CESER1 FS21; Job Order 7421A)	Soft Costs	876,966	5,000				5,000
		Construction	5,340,000					0
		Project Contingency	TBD					0
		Subtotal	6,216,966	5,000	0	0	0	5,000

Status	Project	Category	Pre-Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
PLANNING	Station 22 (CESER1 FS22; Job Order 7422A)	Soft Costs	679,928	5,000				5,000
		Construction	4,140,000					0
		Project Contingency	TBD					0
		Subtotal	4,819,928	5,000	0	0	0	5,000
PLANNING	Station 36 (CESER1 FS27; Job Order 7427A)	Soft Costs	120,412	5,000				5,000
		Construction	580,000					0
		Project Contingency	TBD					0
		Subtotal	700,412	5,000	0	0	0	5,000
PLANNING	Station 43 (CESER1 FS23; Job Order 7423A)	Soft Costs	1,049,624	5,000				5,000
		Construction	6,390,000					0
		Project Contingency	TBD					0
		Subtotal	7,439,624	5,000	0	0	0	5,000
PLANNING	Station 35 Fire Boat Headquarters (CESER1 FS24; Job Order 7424A)	Soft Costs	2,158,583	21,906		32,842		-10,936
		Construction	11,115,000					0
		Project Contingency	TBD					0
		Subtotal	13,273,583	21,906	0	32,842	0	-10,936
PLANNING	Equipment Logistics Center (CESER1 FS25; Job Order 7425A)	Soft Costs	1,941,979	5,000				5,000
		Construction	10,000,000					0
		Project Contingency	TBD					0
		Subtotal	11,941,979	5,000	0	0	0	5,000
	COMPREHENSIVE RENOVATION PROJECTS: FOCUSED SCOPE PROJECTS:							
PLANNING	Stations 6, 13, 15, 17, 18, 28, 38, 40, 41, 42, 44 (CESER1 FS28, Job Order 7428A)	Soft Costs	1,183,092	5,000				5,000
		Construction	6,876,320					0
		Project Contingency	TBD					0
		Subtotal	8,059,412	5,000	0	0	0	5,000
PLANNING	StationS 10, 26 ,32 (Alternates) (CESER1 FS29, Job Order 7429A)	Soft Costs	266,717					0
		Construction	1,300,000					0
		Project Contingency	TBD					0
		Subtotal	1,566,717	0	0	0	0	0
PLANNING	FIRE STATIONS - GROUP 1 ROOFING (CESER1 FS31, Job Order 7431A)	Soft Costs	239,288	239,288		179,476		59,812
		Construction	823,680	823,680		479,105	344,575	0
		Project Contingency						0
		Subtotal	1,062,968	1,062,968	0	658,581	344,575	59,812
DESIGN	FIRE STATIONS - GROUP 1 AND 2 SHOWERS (CESER1 FS32, Job Order 7432A)	Soft Costs	135,000	135,000		46,113		88,887
		Construction	0	0		0	0	0
		Project Contingency						0
		Subtotal	135,000	135,000	0	46,113	0	88,887
PLANNING	NEIGHBORHOOD FIRE STATIONS SUMMARY (CESER1 FS)	Soft Costs	16,855,000	6,303,717	0	2,564,873	140,593	3,598,251
		Construction	47,145,000	823,680	0	479,105	344,575	0
		Project Contingency	TBD	TBD	TBD	TBD	TBD	TBD
		Subtotal	64,000,000	7,127,397	0	3,043,978	485,168	3,598,251

Status	Project	Category	Pre-Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
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	493,362		117,984	27,256	348,122
		Construction	4,337,415					0
		Project Contingency						0
		Subtotal	6,413,883	493,362	0	117,984	27,256	348,122
PLANNING	Ashbury Heights Tank							
		Soft Costs	1,918,310	274,099		57,166	44,388	172,545
		Construction	3,903,520					0
		Project Contingency						0
		Subtotal	5,821,830	274,099	0	57,166	44,388	172,545
PLANNING	Twin Peaks Reservoir							
		Soft Costs	1,566,210	245,575		157,136	15,328	73,111
		Construction	2,676,819					0
		Project Contingency						0
		Subtotal	4,243,029	245,575	0	157,136	15,328	73,111
PLANNING	Pump Station No. 2							
		Soft Costs	4,504,461	2,130,617		100,239	78,496	1,951,882
		Construction	9,507,401					0
		Project Contingency						0
		Subtotal	14,011,862	2,130,617	0	100,239	78,496	1,951,882
PLANNING	Pump Station No. 1							
		Soft Costs	1,042,584	190,000		94,164	17,654	78,182
		Construction	2,411,044					0
		Project Contingency						0
		Subtotal	3,453,628	190,000	0	94,164	17,654	78,182

Status	Project	Category	Pre-Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
FIREFIGHTING CISTERNS								
PLANNING	Contract No. 1	Soft Costs	1,184,836	546,312		67,460	327	478,525
		Construction	2,367,467					0
		Project Contingency						0
		Subtotal	3,552,303	546,312	0	67,460	327	478,525
PLANNING	Contract No. 2	Soft Costs	3,069,420	0				0
		Construction	7,587,489					0
		Project Contingency						0
		Subtotal	10,656,909	0	0	0	0	0
PLANNING	Contract No. 3	Soft Costs	2,834,277	0				0
		Construction	7,822,632					0
		Project Contingency						0
		Subtotal	10,656,909	0	0	0	0	0
PLANNING	Contract No. 4	Soft Costs	2,775,863	0				0
		Construction	7,881,046					0
		Project Contingency						0
		Subtotal	10,656,909	0	0	0	0	0
FIREFIGHTING PIPES AND TUNNELS								
PRE-DESIGN	AWSS Modernization CIP Study	Soft Costs	3,000,000	3,000,000		214,784	1,171,546	1,613,670
		Construction						0
		Project Contingency						0
		Subtotal	3,000,000	3,000,000	0	214,784	1,171,546	1,613,670
PLANNING	Contract No. 1	Soft Costs	2,637,146	200,000		174,257	0	25,743
		Construction	6,806,129					0
		Project Contingency						0
		Subtotal	9,443,275	200,000	0	174,257	0	25,743
PLANNING	Contract No. 2	Soft Costs	2,637,146	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
		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	2,300,153	1,354,995	4,741,780
		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	2,300,153^(1b)	1,354,995	4,741,780

Status	Project	Category	Pre-Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
ESER		Soft Costs	91,725,085	61,363,550	0	18,198,623	11,483,150	31,681,777
		Construction	284,393,915	17,257,058	0	479,105	16,777,953	0
		Project Contingency	29,281,000	0	0	0	0	0
		Subtotal	405,400,000	78,620,609	0	18,677,728	28,261,103	31,681,778
BOND OVERSIGHT/ACCOUNTABILITY			6,900,000	236,762				236,762
BOND COST OF ISSUANCE				662,629 ^(2a)		642,299 ^(2a)		
TOTAL BOND PROGRAM			412,300,000	79,520,000	0	19,320,027	28,261,103	31,918,540

Per FAMIS fiscal month 06 2012 (December 2011), the actual expenditures are \$30,323,776. The variances are as follows:

(1) The transfer out to PUC AWSS is shown as actual (0935W OTO TO 5W-WATER DE)	\$8,396,928
(a) less \$1,316,936 for forecasted pre-bond expenditures not yet posted in FAMIS. Expenditures currently reside under DPW.	(\$1,316,963)
(b) less \$983,190 for actuals per FAMIS Project structure CUW AWS AW	(\$983,190)
(2) The underwriters discount of \$211,953 was separated from the premium \$5,118,923 as follows:	\$5,118,923
(a) deducted underwriters discount \$211,953 from 0934G OTO TO 4D/GOB-GEN and added it to 07311 BOND ISSUANCE COST	(\$211,953)
Total	\$30,323,776

Prepared by the Department of Public Works, revised 01/17/12

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			
		Start	Completion	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.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
7422A Stations 22																																							
<i>Pre-Baseline Budget</i>	4,819,928	06/01/12	05/01/15								559,000																												
Current/Approved	4,819,928																																						
Current/Projected	4,819,928																																						
Actual	0																																						
7427A Station 36																																							
<i>Pre-Baseline Budget</i>	700,412	09/01/12	09/01/15									99,000																											
Current/Approved	700,412																																						
Current/Projected	700,412																																						
Actual	0																																						
7423A Station 43																																							
<i>Pre-Baseline Budget</i>	7,439,624	06/01/12	08/01/15																																				
Current/Approved	7,439,624																																						
Current/Projected	7,439,624																																						
Actual	0																																						
7424A Station 35 Fire Boat Headquarters																																							
<i>Pre-Baseline Budget</i>	13,273,583	09/01/11	10/01/16																																				
Current/Approved	13,273,583																																						
Current/Projected	13,273,583																																						
Actual	32,842																																						
7425A Equipment Logistics Center																																							
<i>Pre-Baseline Budget</i>	11,941,979	07/01/11	01/01/17																																				
Current/Approved	11,941,979																																						
Current/Projected	11,941,979																																						
Actual	0																																						
FOCUSED SCOPE																																							
7428A Stations 6, 13, 15,17,18,28,38,40,41,42,44																																							
<i>Pre-Baseline Budget</i>	8,059,412	07/01/11	09/01/14																																				
Current/Approved	8,059,412																																						
Current/Projected	8,059,412																																						
Actual																																							
7429A Stations 10, 26, 32 (Alternative)																																							
<i>Pre-Baseline Budget</i>	1,566,717	11/01/11	07/01/13																																				
Current/Approved	1,566,717																																						
Current/Projected	1,566,717																																						
Actual																																							
7931A Fire Stations Group 1 Roofing																																							
<i>Pre-Baseline Budget</i>	1,062,968	09/26/11	01/31/12																																				
Current/Approved	1,062,968																																						
Current/Projected	1,062,968																																						
Actual	658,581																																						

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	
		Start	Completion	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.				
7932A Fire Stations Group 1 and 2 Showers																																							
Pre-Baseline Budget	135,000	11/01/11	01/31/12						135,000																														
Current/Approved	135,000																																						
Current/Projected	135,000																																						
Actual	46,113								46,113																														
NEIGHBORHOOD FIRE STATIONS																																							
Original/Baseline Budget	64,000,000	10/01/10	09/30/16																																				
Current/Approved	64,000,000																																						
Current/Projected	64,000,000																																						
Actual	3,043,978																																						
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																																				
Current/Approved	1,316,963																																						
Current/Projected	1,316,963																																						
Actual	1,316,963																																						
AWSS JONES STREET TANK																																							
Original/Baseline Budget	6,413,881	08/01/11	01/27/12						266,000																														
		01/30/12	02/25/13							799,000																													
		02/26/13	06/30/15																																				
Current/Approved	6,413,878																																						
Current/Projected	6,413,878																																						
Actual	117,985																																						
AWSS ASHBURY HEIGHTS TANK																																							
Original/Baseline Budget	5,821,830	07/25/11	02/29/12						230,000																														
		02/29/12	02/26/13							710,000																													
		02/26/13	10/28/15																																				
Current/Approved	5,821,830																																						
Current/Projected	5,821,830																																						
Actual	57,166																																						
AWSS TWIN PEAKS RESERVOIR																																							
Original/Baseline Budget	4,243,029	6/1/2011	1/30/2012						211,000																														
		1/30/2012	2/25/2013							500,000																													
		2/26/2013	6/30/2015																																				
Current/Approved	4,243,029	08/01/11	08/17/14																																				
Current/Projected	4,243,028	08/01/11	08/17/14																																				
Actual	157,136	08/01/11																																					

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								
		Start	Completion	2010	2011			2012			2013			2014			2015			2016			2017			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.													
AWSS PUMP STATION NO. 2																																												
Original/Baseline Budget	14,011,862	7/25/2011	9/25/2012							577,000				Planning																														
		9/26/2012	2/28/2014											1,732,000																														
		5/1/2014	9/26/2016																																									
Current/Approved	14,011,862																																											
Current/Projected	14,011,862																																											
Actual	100,239									100,239																																		
AWSS PUMP STATION NO. 1																																												
Original/Baseline Budget	3,453,628	7/25/2011	1/31/2012							164,000				Planning																														
		1/31/2012	2/25/2013											428,000																														
		2/26/2013	4/20/2015																																									
Current/Approved	3,453,628																																											
Current/Projected	3,453,629																																											
Actual	94,164									94,164																																		
FIREFIGHTING CISTERNS - CONTRACT NO. 1																																												
Original/Baseline Budget	3,552,303	7/8/2011	1/30/2012							160,000				Planning																														
		1/30/2012	6/28/2012											432,000																														
		6/29/2012	6/26/2014																																									
Current/Approved	3,552,303	10/01/11	07/22/13																																									
Current/Projected	3,552,303	10/01/11	07/22/13																																									
Actual	67,460									67,460																																		
FIREFIGHTING CISTERNS - CONTRACT NO. 2																																												
Original/Baseline Budget	10,656,909	10/3/2011	1/30/2012							419,000				Planning																														
		1/30/2012	10/26/2012											1,332,000																														
		10/29/2012	2/23/2015																																									
Current/Approved	10,656,909																																											
Current/Projected	10,656,909																																											
Actual	0																																											
FIREFIGHTING CISTERNS - CONTRACT NO. 3																																												
Original/Baseline Budget	10,656,909	10/3/2011	4/2/2012							79,000				Planning																														
		4/3/2012	4/17/2014											1,332,000																														
		4/18/2014	8/12/2016																																									
Current/Approved	10,656,909																																											
Current/Projected	10,656,909																																											
Actual	0																																											

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.					
12/31/2011																																								
BOND OVERSIGHT/ACCOUNTABILITY																																								
Original/Baseline Budget	6,900,000																																							
Current/Approved	6,900,000																																							
Current/Projected	6,900,000																																							
Actual	642,299																																							
ESER TOTAL																																								
Original/Baseline Budget	412,300,000	10/01/10	08/31/17																																					
Current/Approved	412,300,000																																							
Current/Projected	412,300,000																																							
Actual	19,320,027																																							

- Legend:
- Programming/Schematic Design Phase/ Pre- Design
 - Design Development Phase
 - Construction and Construction Administration
 - Actual (Expenditures)

Prepared by the Department of Public Works
Revised 01/17/12

ATTACHMENT 3 – CONTACT INFORMATION

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