



## 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**

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The Earthquake Safety and Emergency Response (ESER1) Bond Program consists of three components: the **Public Safety Building (PSB)**, the **Neighborhood Fire Stations & Support Facilities (NFS)**, and the **Auxiliary Water Supply System (AWSS)**. These components' particular projects are proceeding apace, hewing to stipulated schedules and budgets. Some projects confront unanticipated impacts such as delayed DBI permitting and Civic Design Review approval. The impacts are managed to avoid as much as possible, undue consequence to client department(s)' expressed needs and expectations. To date there have been no upsets that would compromise the successful delivery of any project.

The following is a brief summary of each component's status.

### **Public Safety Building**

The mat slab and foundation work was completed in November, and construction of basement walls continues through December. Construction is underway to target the start of structural steel erection in mid-January.

Design-construction coordination for various building components continues through this second quarter. The MEP and Architectural Permit Addenda were submitted in October and November respectively; and the Superstructure Permit Addendum will be issued in January.

### **Neighborhood Fire Stations & Support Facilities**

#### **Seismic Projects: Fire Station #16, Fire Station #5, and Fire Boat Station #35**

The Conceptual Design of Fire Station #16 prepared by DPW BDC/IDC was approved by the Fire Chief in September and proceeded on schedule into the Design phase in October 2012. The 50% Schematic Design set was submitted on schedule on November 15, 2012. The 100% Schematic Design set was submitted on schedule on December 28, 2012. The SD cost estimate will be completed in mid January 2013.

SFFD requested alternate design for Conceptual Design of Fire Station #5 to accommodate a second truck. Designs were presented to the Fire Chief in September and confirmed direction to proceed with the 2 story, 2 truck-option on November 15, 2012. Concept phase for Station #5 will resume in January 2013.

The Project Review Application for Fire Boat Station #35 was submitted to City Planning in June and City Planning's response was received as scheduled on October 24, 2013. The Planning Department preferred Option #1 of 3, which is the option also preferred by SFFD for operational purposes. The public *Open House* was held as scheduled on October 3, 2012. The informational presentation to the Port Commission scheduled for October 2012 was postponed. The Warriors development team made various public presentations of their proposed project at Piers 30/32 in October, November and December. This project includes a new Fire Boat Station #35 at the site. In January 2013, DPW will continue to evaluate next steps to retain the Pier 22-1/2 site as a viable alternative if deemed necessary.

Comprehensive Projects: Station #36

Project development continues on schedule. The project received SFAC Civic Design Review Phase I and II approval in October 2012. The 100% Design Development set was submitted as scheduled on November 30, 2012. The cost estimate for the 100% Design Development for Station #36 deliverable was received on December 14 and the project is within budget. 50% Construction Documents are scheduled to be completed on February 15, 2013.

Focused Scope Projects

Focused Scope Projects: Roof construction continues on package #3 (3 stations) and package #4 (4 stations). Roof preconstruction phase at Station #2 is nearly complete, and the JOC contractor is scheduled to begin work in January 2013. Paint mockup was installed at Station 38 on schedule, and SFFD approval is pending. Package 4 building envelope package was advertised on scheduled on December 10, with bids due on January 9, 2013. Bidding of remaining exterior paint projects will follow completion of roof construction. Emergency generator Station #6 was advertised on December 7 as scheduled, targeted to Micro LBE bidders. Emergency generator Station #17 design was received by DPW as scheduled on December 5. SFFD direction is to compare the two delivery methods (design-bid-build at Station #6 and design-build using DPW in-house forces) upon completion. The existing emergency generator at Station #15 is experiencing mechanical malfunction and the SFFD directed the Station #6 team to replace it as soon as feasible. Design is scheduled to be submitted on January 13, 2013.

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 was submitted in October 2012. The final project report is due by March 2013.

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

Design work continued for 16 new cistern locations.

Budget

The ESER has expended \$66,180,021 through December 2012. Out of the 66,180,021, \$50,380,030 is for the Public Safety Building; \$6,706,596 is for the NFS; \$7,972,011 is for AWSS; and \$1,121,384 is for Bond Issuance Costs. The expenditures are consistent with our spend-down forecast and are within budget.

The proceeds of the first three bond sales totaling \$301,115,000 have been appropriated. 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](http://www.sfearthquakesafety.org).

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## PROGRAM SUMMARY AND STATUS

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### 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 Permit Addenda #5 for MEP (Mechanical, Electrical, Plumbing) and #4 for Architectural were submitted to Department of Building Inspection (DBI) for review in October and November respectively. DBI continues to review the Building Permit for Fire Station 30; while Permit Addendum for the Super-Structure (#3) will be issued in January.

**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:

- Basement Level Mat slab pour and placement was completed in November.
- Reinforcement bar installation for pile caps and mat slab continued.
- 30" storm-drain abandonment and 48" storm-drain junction and repair work are complete.
- 30" storm drain connecting pipe was completed in November, with the testing and video re-scheduled for the week of 1/7/13.
- Construction of basement wall continued through December, including rebar, formwork, waterproofing, and concrete placement.
- Man-hoist concrete pad was constructed, in preparation for building structure construction.
- Shotcrete test panels were constructed off-site.
- Structural steel fabrication continued through December with a target steel erection to begin mid-January 2013.

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:

- RFQ Issuance and Evaluation: Louvers and misc. sheet metal; Concrete masonry unit; Site utilities relocation; flooring; Specialty and Equipment; Ceramic tiles
- VE Proposal Evaluation: HVAC ReBid.
- Bid Due/Opening: Architectural Concrete, HVAC ReBid, Fire-proofing; Misc. Metals #2; Door, frame, and hardware; Fire Station #30; Door, frames, and hardware; Roofing/ Green-roof Bid Opening; Concrete masonry unit

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

<b>TRADE</b>	<b>RFQ ISSUANCE</b>
Structural Steel	RFP Complete
Structural Concrete	RFP Complete
Manhoist	RFP Complete
Elevators	RFP Complete
Below Grade Waterproofing	RFP Complete
Misc. Metals	RFP Complete
Slabs on Metal Decks	RFP Complete
Metal Stairs	RFP Complete
Plumbing	RFP Complete
Electrical	RFP Complete
Window Washing Equipment	RFP Complete
Architectural Blast Walls	RFP Complete
Fire Proofing	RFP Complete
HVAC	In RFP
Fire Station #30	November 2012
Doors	In RFP
Framing/Drywall	November 2012
Roofing	October 2012
Thermal Protection	RFQ Complete
Specialty Doors	RFQ Complete
CMU	September 2012
Rough Carpentry	RFQ Complete
Misc. Sheet Metal	RFQ Complete
Architectural Louvers	RFQ Complete
Finished Carpentry	RFQ Complete
Interior Glazing	November 2012
Specialties & Equipment	November 2012
Demountable Partition	November 2012
Acoustical Ceilings	January 2013
Flooring	November 2012
Wall Coverings/Paintings	January 2013
Site Barrier Equipment	January 2013
Ceramic Tiles	November 2012
Furnishings (Not including FF+E items)	January 2013
Muni Box Relocations	December 2012
Signage	January 2013
Landscaping	January 2013
Modular Glazing	November 2012

**Project Budget:** Refer to the Budget, Funding and Expenditures on Page 15.

# Neighborhood Fire Stations & Support Facilities



*Comprehensive Project: Station #36 – Proposed Elevation*



*Focused Scope Projects: Roofing Replacement – Fire Station #26*



*Focused Scope Projects: Roofing Replacement – Fire Station #15*

**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 1 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 25<sup>th</sup> 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 evaluated project scope and program budget options prepared by DPW and approved on February 29, 2012 a final slate of Groups I, II and III projects to be completed as part of ESER I. Direction was also provided for the preferred development of the Fire Boat Station and analysis of the Emergency Logistics Center (ELC.) The approved slate of projects was presented to the SF Fire Commission on April 26, 2012. Developments of baseline schedule and baseline budgets for these projects are nearly complete for SFFD approval. Progress on the slate of projects was presented to the Fire Commission on October 25, 2012.

Seismic Projects: Stations #16 and #5

Design services are being provided by DPW BDC/IDC. 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. SFFD requested alternate options at Station #16 and at Station #5. DPW BDC/IDC completed these alternates as requested.

Station #16:

Conceptual design of Fire Station #16 prepared by DPW BDC/IDC was approved by the Fire Chief on September 10, 2012. Schematic Design phase proceeded on schedule October 9, 2012. The geotechnical report prepared by DPW IDC was received on October 25, 2012. The 50% SD submittal was received as scheduled on November 15, 2012 and the 100% SD submittal was received as scheduled on December 28, 2012. The cost estimate is underway and will be completed in January 2013. Approval for Civic Design Review Phase I was sought at the November 19, 2012 meeting, but was not received. Committee members requested that the design team to explore a contemporary design option. The revised design presentation is scheduled for January 14, 2012.

Station #5:

SFFD requested alternate design elements for Conceptual design of Fire Station #5 to accommodate a second truck if necessary. Concepts were presented to the Fire Chief on September 10, 2012. The SFFD approved the two-story, two-truck development option on November 15, 2012. The Project Review Application was submitted to City Planning as scheduled on December 6, 2012. Design team will be mobilized to complete the concept phase in January 2013, focusing on completing the proposed floor plans and drafting the elevations.

Fire Boat Station #35:

Design services are being provided by DPW BDC/IDC.

The Fire Boat Station #35 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. The Fire Boat Station slab replacement project punch list work began in mid July as scheduled. The contractor is DPW's JOC contractor, AzulWorks. In order to close this project permit, the Port is requiring modifications to the existing gas line installed under a previous project permit which remains open. Our slab replacement project anticipated completing this work in December but could not due to the rain. This work is scheduled to be completed in January 2013.

A community Open House was held as scheduled on October 3, 2012 for the new project at the existing location. The Project Review Application for the Fire Boat Station #35 replacement projects was submitted to City Planning as scheduled on June 15, 2012. City Planning's response to the Project Review Application for Station #35 was received as scheduled on October 24, 2012. Of the three options included in the application, Planning preferred Option 1-A, and provided comments for implementation in the following design phase.

The Warriors presented their proposed development project at Piers 30/32 to the Port Commission on November 13, 2012. The Warriors' development team has asked that the City and SFFD consider relocating the Fire Boat Station to Piers 30/32, and the request has been accepted tentatively pending the resolution of all relevant matters, including the inclusion of Pier 22 1/2 (existing location) in the 30/32 master EIR, as an alternative, and expectations for design and funding. In January 2013 DPW will continue to evaluate next steps to retain the Pier 22-1/2 site as a viable backup option if needed.

Equipment Logistics Center (ELC):

The ELC project was identified after the passage of the bond – it was suggested as a project combining the Bureau of Equipment and Emergency Medical Services. In this configuration, the sum total of functional program area makes it infeasible for it to occur at 1415 Evans; more significantly, the budget for such a project is not available within the ESER1 NFS funding.

In lieu of this project, the SFFD requested that a smaller facility, dedicated to the storage of essential material, be considered at the lot behind Station #9. The conceptual program and cost estimate was completed in February 2012, and is pending a decision as to whether to dedicate bond funds to accomplish this project.

Comprehensive Project: Station #36

Design services are being provided by DPW-BDC's as-needed consultant, Paulett Taggart Architects. Schematic Design phase on Fire Station #36 comprehensive renovation was completed on schedule on July 16, 2012. SFFD reviewed and accepted the documents, providing minor comments. Cost estimation has been completed and the project is currently within budget. The 50% Design Development deliverable for Fire Station #36 comprehensive renovation was received on September 28, 2012. Project was presented to Civic Design Review Committee for combined Phase I/II approval on September 17, 2012 as scheduled. The Committee lost quorum before our presentation; the item was heard and no major comments were received from the 2 out of 3 members who heard the presentation. Approval was received as scheduled for the October 15, 2012 meeting. 100% Design Development deliverable was received as scheduled on November 30, 2012, with cost estimate received as scheduled on December 14, 2012. The project remains within budget. Design is proceeding on track to meet LEED Gold for Commercial Interiors standards as approved by the Green Building Coordinator, San Francisco Dept of the Environment.

Focused Scope Projects:

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

Roof Replacements:

Roof replacement construction phase at Station #28 began on August 7, 2012 and successfully achieved substantial completion on September 28, 2012 as scheduled. Roof designs for roof packages 2R, 3, and 4 (total of 10 stations) were amended to APP-type material (not SBS) system. Consulting CM performed constructability review in early July, and bids were received in August as scheduled. The contractor for package #3 at Stations #18, #31 and #40 is Western Roofing and the contractor for package #4 at Stations #15, #17, #26 and #32 is Pioneer Roofing. Both companies are located in San Francisco. NTP for roof package 3 was issued on October 11 and the Preconstruction phase was

completed in November 2012. Site work began as scheduled in December 2012. NTP for roof package 4 was issued on October 9 and the Preconstruction phase was completed in November 2012. Site work began as scheduled in December 2012. Package 2R bids received were over the budget by \$118K. One of the three stations included in package 2 is Station #2, and the condition of this station's roof warrants immediate attention. Accordingly, Station 2 roof was removed from Package 2R and pricing was received through the JOC process in October 2012. NTP was issued on November 29, 2012. The Preconstruction phase is nearly complete, and construction is scheduled to begin in January 2013. The final roof package, 2R2 for the remaining 2 stations #10 and #13 is scheduled to be advertised in January 2013.

**Exterior Envelope:**

Building exterior envelope packages for 15 Fire Stations will be bid in 6 packages. Packages 1 (Fire Station #38) and 2 (Fire Station #42) each for one fire station were bid to Micro LBE contractors as set-aside contracts. Despite diligent outreach to Micro LBE contractors, only 1 bid was received on September 26, 2012 and it far exceeded the budget. SFFD has approved DPW BBR pricing of the work at these two stations for in-house execution. SFFD has approved Package 3 for two fire stations (Stations #28 and #41) pricing by DPW - BBR for in-house execution. In addition, at SFFD direction Station #49 exterior paint was added to the project list, and approved DPW-BBR pricing of this work for in-house execution as well. The roofs at these 4 stations were previously completed and paint work can commence immediately upon award. NTP was issued as scheduled on November 21, 2012 for Station #38. The preconstruction phase is underway. Work is scheduled to begin at Station #38 in January 2013. Packages 4, 5, and 6 for 3 stations, 3 stations, and 4 stations respectively will be bid to B license contractors. The paint bid packages will follow completion of the roof bid packages. Package 4 (Stations #15, #32 and #40) was advertised in early December as scheduled with bids due on January 9, 2013.

**Shower Reconstruction:**

Shower reconstruction package 1 for Stations #15, #6, and #38 is underway. Construction began as scheduled at Station #15 on April 18, 2012. Contractor changed certain installation details without prior approval, and corrective work will necessitate additional fabricated materials. In mid September 2012 as scheduled, the manufacturer arrived at the site from out of state to resolve final details with the architect of record and the Fire Department. Material order for these corrective details is nearly complete. Initial pricing was received by the contractor which has been revised, and the Change Order is in process prior to the work proceeding. Material has a 6 week lead time; therefore work is anticipated to proceed in the field at the end of February 2013. Station #15 must be successfully completed prior to commencing work at Station #6 and subsequently Station #38, both to be executed by DPW BBR.

**Emergency Generator Replacement:**

Emergency generator implementation strategy was completed in September 2012 and design is moving forward with DPW's as-needed electrical engineer at Station #6 as a prototype for design-bid-build project delivery. The 100% design was received as scheduled on November 26, 2012 and the project was bid as scheduled on December 7, 2012. IDC began design work on November 2, 2012 at Station 17 as a DPW in-house IDC design-BBR build prototype. The 50% design set was submitted as scheduled on

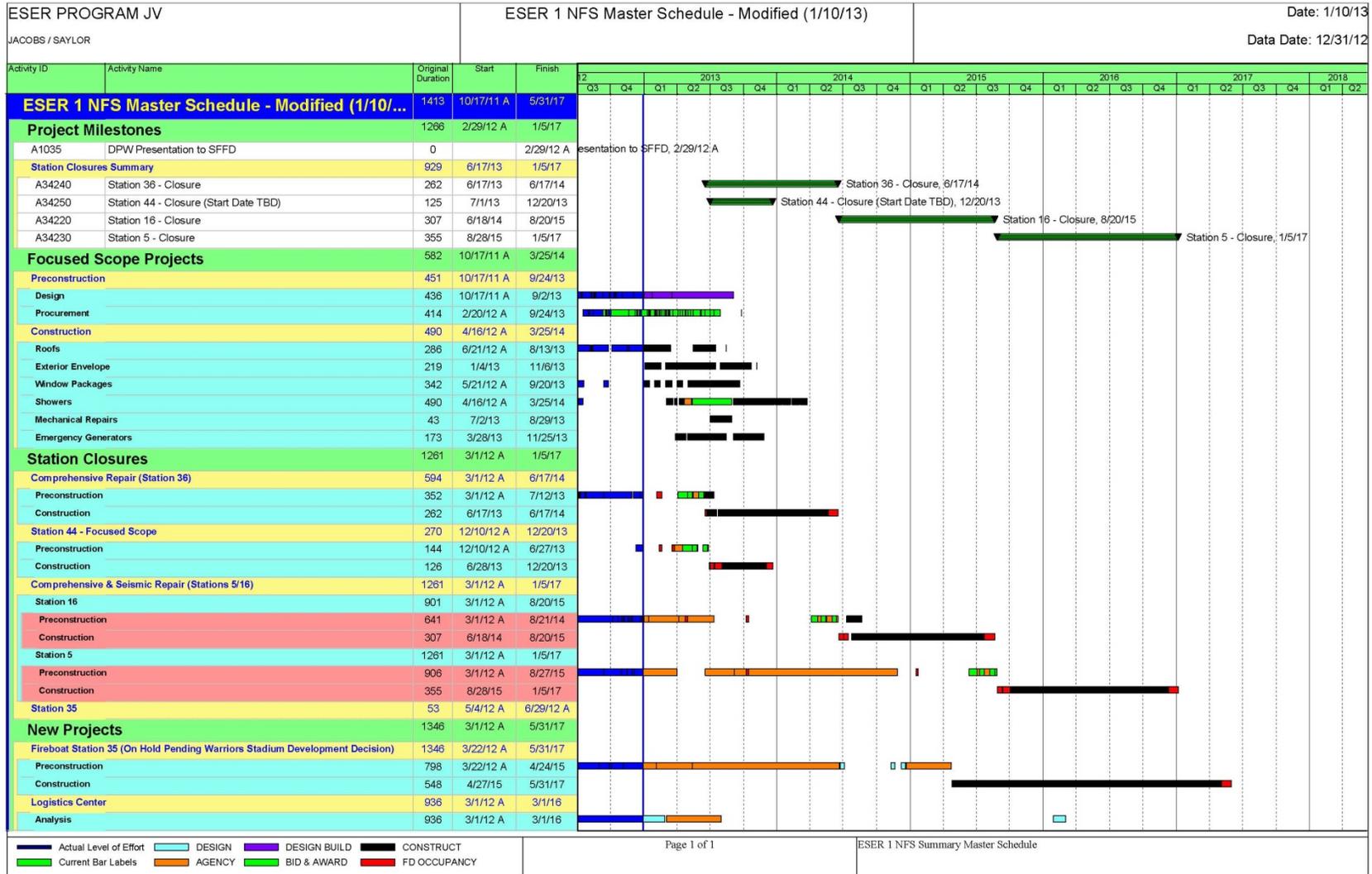
December 5, 2012. SFFD direction is to compare the two delivery methods upon completion. The existing emergency generator at Station #15 is experiencing mechanical malfunctions and the SFFD directed the Station #6 team to replace as soon as feasible. Design is scheduled to be submitted on January 13, 2013.

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.

**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. Next step is creation of the baseline schedule for SFFD approval. Included on Page 12 are preliminary schedules for the approved slate of projects.

**Project Budget:**

Refer to the Budget, Funding and Expenditures on Page 15.



## Auxiliary Water Supply System (AWSS)

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

**Project Background:** The AWSS delivers high-pressure water and cistern water storage for fire suppression in several areas of the City. It 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**

Consultant 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, pipelines, tunnels, and physical plant facilities to increase fire-protection water delivery seismic reliability.

Work focused on alternatives analysis, preferred alternative selection, and the draft project report. The draft project report was submitted for staff review in October 2012. The alternatives analysis and preferred alternative selection were not included in the draft due to scheduling issues, but were submitted in November 2012. The consultant and city staff met with the Steering Committee on October 25, the Technical Oversight Committee on October 18, and the Technical Advisory Panel on October 12 and December 7. The final project report is due by March 2013.

AECOM/AGS JV submitted a proposal to examine alternatives to renovation of existing Pumping Station 2 to evaluate concerns about improvements needed for seismic strengthening of that building.

### **Physical Plant**

The Engineering Management Bureau (EMB) continued design work for Ashbury Tank, Jones Street Tank, Pumping Station 1, and Twin Peaks Reservoir. Materials investigation discovered the absence of steel reinforcement in the Twin Peaks Reservoir pilasters (columns that adjoin the fence scheduled for replacement) and limited steel reinforcement in the curb between the pilasters. Staff is evaluating replacement of the pilasters to address this issue and the resulting effect on the project budget.

EMB finalized the Pumping Station 2 conceptual engineering report. Design work for Pumping Station 2 is expected to be completed by February 2013.

The estimated total project costs for Pumping Station 1 and Pumping Station 2 are expected to exceed the original budget due to the magnitude of work required to meet the ESER bond report intended scope of work. These costs continue to be

reviewed as design work progresses in order to determine the scope of work that can be constructed with available funds.

**Cisterns**

Design work continued for new cisterns. 95% construction documents were submitted for review for New Cisterns Contract A. Contract A is scheduled to start the bid and award phase by February 2013. Revised estimates of the actual number of cisterns to be built with 2010 ESER bond funds will be made after bids for Contract A are received.

The current contracting arrangements are shown in the following table.

<b>Contract</b>	<b>#</b>	<b>Location</b>
<b>New Cisterns A</b>		
	1.	35th Ave, Irving St
	2.	36th Ave, Wawona St
	3.	37th Ave, Lawton St
	4.	37th Ave, Ortega St
	5.	37th Ave, Rivera St
	6.	37th Ave, Ulloa St
<b>New Cisterns B</b>		
	1.	Cashmere St, Hudson Ave
	2.	Geneva Ave, Moscow St
	3.	Geneva Ave, Paris St
	4.	Holyoke St, Silliman St
	5.	Silver Ave, Colby St
<b>New Cisterns C</b>		
	1.	18th Ave, Ulloa St
	2.	21st Ave, Ocean Ave
	3.	Funston Ave, Geary Blvd
	4.	San Buenaventura Way, St. Francis Blvd
	5.	Yerba Buena Ave, Saint Elmo Way
<b>Total</b>		

Field surveying began for an additional 22 new cistern candidate locations. Design work for these cisterns is expected to begin by March 2013.

**Project Schedule:**

Refer to the Gantt Chart in Attachment 2.

**Project Budget:**

Refer to the Budget, Funding and Expenditures on Page 15.

## BUDGET, FUNDING AND EXPENDITURES

### Budget and Funding

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

The proceeds of the first three bond sales totaling \$301,115,000 have been appropriated as follows:

Component	Budget	FUNDING		APPROPRIATION AUTHORIZATION				
		General Obligation Bonds	Fire Facility Bond Funds	General Obligation Bonds				
				First	Second	Third	Total	Future
				10A	10B	10C		
Public Safety Building (PSB)	239,000,000	239,000,000		63,096,285	164,120,973	0	227,217,258	11,782,742
Neighborhood Fire Stations (NFS)	72,272,000	64,000,000	8,272,000 (1)	7,148,344	17,616,196	0	24,764,540	39,235,460
Auxiliary Water Supply System (AWSS)	102,400,000	102,400,000		8,396,928	0	37,999,848	46,396,776	56,003,224
<b>Project Fund Subtotal</b>	<b>413,672,000</b>	<b>405,400,000</b>	<b>8,272,000</b>	<b>78,641,557</b>	<b>181,737,169</b>	<b>37,999,848</b>	<b>298,378,574</b>	<b>107,021,426</b>
Controller's Audit Fund (two tenths of 1%)	827,058	827,058		157,556	364,117	76,152	597,825	229,233
General Obligation Bond Oversight Committee (one tenth of 1%)	413,529	413,529		79,520	183,330	38,265	301,115	112,414
Cost of Issuance (COI)	5,659,413	5,659,413		641,367	1,045,384	150,735	1,837,486	3,821,927
<b>Accountability and COI Subtotal</b>	<b>6,900,000</b>	<b>6,900,000</b>	<b>0</b>	<b>878,443</b>	<b>1,592,831</b>	<b>265,152</b>	<b>2,736,426</b>	<b>4,163,574</b>
<b>Total ESER1</b>	<b>420,572,000</b>	<b>412,300,000</b>	<b>8,272,000 (1)</b>	<b>79,520,000</b>	<b>183,330,000</b>	<b>38,265,000</b>	<b>301,115,000</b>	<b>111,185,001</b>

(1) The budget for NFS increased by \$8.272M from \$64M to \$72.272M to include previous Fire Facility Bond Funds to supplement ESER1 NFS funds. As a result, the overall budget increased from \$412.3M to \$420.572M

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 \$11,782,742 would be necessary to supplement the remainder of the component.

The budget for NFS is \$64,000,000. The appropriation of \$24,764,540 reflects the proceeds of the first and second bond sales. As mentioned earlier, an additional \$8,272,000 was appropriated through the Annual Appropriation Ordinance (AAO) FY 12/13 to supplement the ESER1 NFS increasing the budget from \$64,000,000 to \$73,372,000 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 \$72,272,000. One or more future sales totaling \$39,235,460 would be necessary to supplement the remainder of the component.

The budget AWSS is \$102,400,000. The appropriation of \$46,396,776 reflects the proceeds of the first and third bond sales. This is reflected in Attachment 1 – Program Budget Report. One or more future sales totaling \$56,003,224 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 \$2,736,486 reflects the proceeds of the three bond sales. These changes are reflected in Attachment 1 – Program Budget Report.

**Expenditures**

Total expenditures through December 31, 2012 are \$66,180,021 which represents 16% of the budget and 22% of the appropriated amount. The following is a summary of the budget and expenditures:

<b>Component</b>	<b>Budget</b>	<b>Appropriated (1st, 2nd &amp; 3rd Bond Sales)</b>	<b>Expenditures</b>	<b>Expenditures/ Budget</b>	<b>Expenditures/ Appropriated</b>
Public Safety Building	\$239,000,000	227,217,258	50,380,030	21%	22%
Neighborhood Fire Stations	\$72,272,000	24,764,540	6,706,596	9%	27%
Auxiliary Water Supply System	\$102,400,000	46,396,776	7,972,011	8%	17%
Oversight, Accountability & Cost of Issuance	\$6,900,000	2,736,426	1,121,384	16%	41%
<b>Total</b>	<b>\$420,572,000</b>	<b>\$301,115,000</b>	<b>\$66,180,021</b>	<b>16%</b>	<b>22%</b>

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.

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## **ATTACHMENT 1 – PROGRAM BUDGET REPORT**

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

Status	Project	Category	Pre-Baseline Budget	Appropriated	Reserve	FAMIS		Balance
						Expended	Encumbrance	
<b>PUBLIC SAFETY BUILDING</b>								
DESIGN	<b>PUBLIC SAFETY BUILDING</b>							
DEVELOPMENT	(CESER1 PS; 7400A & 7410A)	Soft Costs	47,966,886	34,139,846		26,174,614	6,350,389	1,614,843
		Construction	175,088,747	175,490,526		24,205,416	149,811,971	1,473,139
		Project Contingency	15,944,367	17,586,885				17,586,885
		<b>Subtotal</b>	<b>239,000,000</b>	<b>227,217,257</b>	<b>0</b>	<b>50,380,030</b>	<b>156,162,360</b>	<b>20,674,867</b>
<b>NEIGHBORHOOD FIRE STATIONS</b>								
VARIOUS	<b>FOCUSED SCOPE</b>							
	(CESER1 FS 31, 32, 34, 35, 36, 37, 38, 39)	Soft Costs	1,200,000	1,200,000		962,339	204,689	32,972
	(Job Orders 7431A, 7432A, 7434A, 7435A, 7436A, 7437A, 7438A, 7439A)	Construction	8,907,947	8,907,947		1,152,823	1,896,184	5,858,940
		Construction Contingency	2,277,037	2,277,037				2,277,037
		<b>Subtotal</b>	<b>12,384,984</b>	<b>12,384,984</b>	<b>0</b>	<b>2,115,162</b>	<b>2,100,873</b>	<b>8,168,949</b>
PLANNING	<b>COMPREHENSIVE: STATION 36</b>							
	(CESER1 FS27; Job Order 7427A)	Soft Costs	843,737	1,000,000		273,290	322,020	404,690
		Construction	1,968,000					0
		Construction Contingency	492,000					0
		<b>Subtotal</b>	<b>3,303,737</b>	<b>1,000,000</b>	<b>0</b>	<b>273,290</b>	<b>322,020</b>	<b>404,690</b>
PLANNING	<b>SEISMIC: STATION 5 (New 2-story)</b>							
	(CESER1 FS40; Job Order 7440A)	Soft Costs	2,115,388	1,500,000		179,161	13,224	1,307,615
		Construction	5,832,000					0
		Construction Contingency	648,000					0
		<b>Subtotal</b>	<b>8,595,388</b>	<b>1,500,000</b>	<b>0</b>	<b>179,161</b>	<b>13,224</b>	<b>1,307,615</b>
PLANNING	<b>SEISMIC: STATION 9 UTILITY ISOLATION</b>							
	(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
		<b>Subtotal</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>
PLANNING	<b>SEISMIC: STATION 16 (New 2-story)</b>							
	(CESER1 FS42; Job Order 7442A)	Soft Costs	1,645,302	1,500,000		323,363	34,976	1,141,661
		Construction	4,536,000					0
		Construction Contingency	504,000					0
		<b>Subtotal</b>	<b>6,685,302</b>	<b>1,500,000</b>	<b>0</b>	<b>323,363</b>	<b>34,976</b>	<b>1,141,661</b>
PLANNING	<b>NEW PIER FIRE BOAT HEADQUARTERS</b>							
	(CESER1 FS24; Job Order 7424A)	Soft Costs	5,321,767	590,288		81,028	0	509,260
		Construction	13,041,600					0
		Project Contingency	3,260,400					0
		<b>Subtotal</b>	<b>21,623,767</b>	<b>590,288</b>	<b>0</b>	<b>81,028</b>	<b>0</b>	<b>509,260</b>
PLANNING	<b>EQUIPMENT LOGISTICS CENTER</b>							
	(CESER1 FS26; Job Order 7426A)	Soft Costs	2,534,687	100,000		0	0	100,000
		Construction						0
		Project Contingency						0
		<b>Subtotal</b>	<b>2,534,687</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>
PLANNING	<b>PROGRAM-WIDE SOFT COSTS &amp; PROGRAM RESERVE</b>							
	(CESER1 FS20; CESER1 FS30)	Soft Costs	13,246,823	7,086,796		3,696,479	413,914	2,976,403
	(Job Orders 7420A; 7430A)	Construction						0
		Program Reserve	3,000,000					0
		<b>Subtotal</b>	<b>16,246,823</b>	<b>7,086,796</b>	<b>0</b>	<b>3,696,479</b>	<b>413,914</b>	<b>2,976,403</b>
PLANNING	<b>FIRE BOAT SLAB REPAIR (Non-ESER1 related)</b>							
	(CESER1 FS33; Job Order 7433A)	Soft Costs	219,312	254,312		38,113	0	216,199
		Construction	178,000	0			0	0
		Project Contingency						0
		<b>Subtotal</b>	<b>397,312</b>	<b>254,312</b>	<b>0</b>	<b>38,113</b>	<b>0</b>	<b>216,199</b>

Status	Project	Category	Pre-Baseline Budget	Appropriated	Reserve	Expended	FAMIS 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	27,507,016	13,611,396	0	5,553,773	988,823	7,068,800
		Construction	34,559,547	9,003,947	0	1,152,823	1,896,184	5,954,940
		Project Contingency	10,205,437	2,301,037	0	0	0	2,301,037
		Subtotal	72,272,000 <sup>(1)</sup>	24,916,380	0	6,706,596	2,885,007	15,324,777
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>								
PLANNING	PRE-BOND PLANNING AND DEVELOPMENT Pre-Bond Planning and Development	Soft Costs	1,316,963	1,316,963		1,316,963 <sup>(1a)</sup>		0
		Construction	0					0
		Project Contingency						0
		Subtotal	1,316,963	1,316,963	0	1,316,963	0	0
Design	AUXILIARY WATER SUPPLY SYSTEM (AWSS) Jones Street Tank	Soft Costs	1,939,425	900,000		705,407	54,708	139,885
		Construction	2,801,853					0
		Project Contingency						0
		Subtotal	4,741,278	900,000	0	705,407	54,708	139,885
Design	Ashbury Heights Tank	Soft Costs	2,171,640	900,000		573,668	60,075	266,257
		Construction	4,965,251					0
		Project Contingency						0
		Subtotal	7,136,891	900,000	0	573,668	60,075	266,257
Design	Twin Peaks Reservoir	Soft Costs	1,706,677	900,000		675,374	54,075	170,551
		Construction	1,962,219					0
		Project Contingency						0
		Subtotal	3,668,896	900,000	0	675,374	54,075	170,551
Design	Pump Station No. 1	Soft Costs	1,666,919	900,000		653,990	59,371	186,639
		Construction	3,854,133					0
		Project Contingency						0
		Subtotal	5,521,052	900,000	0	653,990	59,371	186,639
PLANNING	Pump Station No. 2	Soft Costs	4,510,082	1,500,000		868,346	135,876	495,778
		Construction	9,501,780					0
		Project Contingency						0
		Subtotal	14,011,862	1,500,000	0	868,346	135,876	495,778
Design	FIREFIGHTING CISTERNS Contract No. 1	Soft Costs	1,120,643	1,000,000		470,997	2,282	526,721
		Construction	2,431,661					0
		Project Contingency						0
		Subtotal	3,552,304	1,000,000	0	470,997	2,282	526,721
Design	Contract No. 2	Soft Costs	3,728,249	1,300,000		789,613	83,061	427,326
		Construction	6,928,660					0
		Project Contingency						0
		Subtotal	10,656,909	1,300,000	0	789,613	83,061	427,326
Design	Contract No. 3	Soft Costs	3,433,935	200,000		14,689	2,698	182,613
		Construction	7,222,974					0
		Project Contingency						0
		Subtotal	10,656,909	200,000	0	14,689	2,698	182,613

Status	Project	Category	Pre-Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
Design	<b>Contract No. 4</b>	Soft Costs	3,375,377	100,000		5,383	0	94,617
		Construction	7,281,532					0
		Project Contingency						0
		<b>Subtotal</b>		10,656,909	100,000	0	5,383	0
PRE-DESIGN	<b>FIREFIGHTING PIPES AND TUNNELS AWSS Modernization CIP Study</b>	Soft Costs	3,000,000	3,000,000		1,654,896	774,303	570,801
		Construction						0
		Project Contingency						0
		<b>Subtotal</b>		3,000,000	3,000,000	0	1,654,896	774,303
PLANNING	<b>Contract No. 1</b>	Soft Costs	2,551,248	411,800		242,685	2,539	166,576
		Construction	6,892,027					0
		Project Contingency						0
		<b>Subtotal</b>		9,443,275	411,800	0	242,685	2,539
PLANNING	<b>Contract No. 2</b>	Soft Costs	2,637,146	0		0	0	0
		Construction	6,806,129					0
		Project Contingency						0
		<b>Subtotal</b>		9,443,275	0	0	0	0
PLANNING	<b>Contract No. 3</b>	Soft Costs	2,614,750	0		0	0	0
		Construction	5,978,727					0
		Project Contingency						0
		<b>Subtotal</b>		8,593,477	0	0	0	0
PLANNING	<b>CUW AWS 01</b>	Soft Costs	0	33,968,013		0	0	33,968,013
		Construction	0					0
		Project Contingency						0
		<b>Subtotal</b>		0	33,968,013	0	0	0
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>								
		Soft Costs	35,773,054	46,396,776	0	7,972,011	1,228,988	37,195,777
		Construction	66,626,946	0	0	0	0	0
		Project Contingency	0	0	0	0	0	0
		<b>Subtotal</b>	102,400,000	46,396,776	0	7,972,011 <sup>(1)</sup>	1,228,988	37,195,777
<b>ESER</b>								
		Soft Costs	111,246,956	94,148,018	0	39,700,398	8,568,200	45,879,420
		Construction	276,275,240	184,494,473	0	25,358,239	151,708,155	7,428,079
		Project Contingency	26,149,804	19,887,922	0	0	0	19,887,922
		<b>Subtotal</b>	413,672,000	298,530,413	0	65,058,637	160,276,355	73,195,421
<b>BOND OVERSIGHT/ACCOUNTABILITY</b>			6,900,000	898,940			889,776	9,164
<b>BOND COST OF ISSUANCE</b>				1,838,418		1,121,384 <sup>(2)</sup>		717,034
<b>TOTAL BOND PROGRAM</b>			<b>420,572,000<sup>(3)</sup></b>	<b>301,267,771</b>	<b>0</b>	<b>66,180,021</b>	<b>161,166,131</b>	<b>73,921,618</b>

As of 01/07/13, the FAMIS fiscal month 06 2013 (December 2012), actual expenditures are \$132,623,569. The variances are as follows:

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

\$46,396,776

(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 \$6,655,048 for actuals per FAMIS Project structure CUW AWS AW

(\$6,655,048)

(2) Bond Sale Premiums:

(a) The underwriters discount of \$211,953 was separated from the premium \$5,118,923

\$5,118,923

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

(\$211,953)

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

\$16,898,268

(d) The Third Bond Sale premium of \$6,213,547 (0934G)

\$6,213,547

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

Total

\$132,623,569

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## **ATTACHMENT 2 – TIMELINE AND SCHEDULE**

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## ATTACHMENT 3 – CONTACT INFORMATION

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