



Earthquake Safety and Emergency Response Bond Program 2010 & 2014

Quarterly Status Report December 2017

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OCME SE Building view from Jennings



Fire Station 5 – Northeast View (12/26/17)



Structural Steel Framing at 2nd Floor (12/29/17)

Prepared for the:

- Office of the Chief Medical Examiner
- San Francisco Fire Department
- San Francisco Police Department
- Public Utilities Commission

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Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

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Executive Summary

ESER 2010

The Earthquake Safety and Emergency Response (ESER 2010) Bond Program consists of three components: the **Public Safety Building (PSB)**, the **Neighborhood Fire Stations & Support Facilities (NFS)**, and the **Emergency Firefighting Water System (EFWS)**. The final projects in the bond are proceeding apace, hewing to stipulated schedules and budgets. To date, there have been no upsets that would seriously compromise client department's expectations for the successful delivery of any project.

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

Public Safety Building

Public Works construction management staff continues to assist client users in addressing warranty items.

Project Cost, inclusive of all construction change orders to-date, tracked within the total project budget of \$243M (GO Bonds and other sources).

Neighborhood Fire Stations & Support Facilities

Seismic Projects: Station 16 and Station 5

Station 16: Placement of 1st floor level concrete slab on September 20. Placement of 1st floor upper level concrete slab on October 6th. Concrete placement on the 2nd floor on November 9th. Other construction activities in November included assembling 2nd floor exterior wall metal framing. December's construction activities included installation of metal frame exterior walls, structural steel framing at the 2nd floor, and metal decking installation. Substantial Completion was revised to February 20, 2018.

Station 5: Footing shoring, excavation, and formwork proceeded in August and September 2017. Other construction activities in the last quarter of 2017 included installation of formwork, rebar cages, and anchor bolts at spread footings, placement of spread footings at building interior occurred on November 22nd, temporary crane was installed at site on November 27th, erection of structural steel columns and beams commenced on November 29th. December's construction activities included setting of horizontal and vertical structural steel members, installation of metal decking at the 2nd floor, 3rd floor, and the roof, structural steel welding, and installation of Buckling-Restrained Braces (BRBs).

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Comprehensive Projects: Station 36

Station 36: Project was successfully completed and SFFD reoccupied the station on November 19, 2014. The Fire Department requested three elements of work apart from the basic scope of FS36 – 1) New apparatus bay doors and 2) New HVAC cooling in select South-facing building areas identified post-occupancy, and 3) rebuilding the entry driveway/apron. Work items 1) and 3) are complete. Item 2) HVAC work has been priced by the contractor Roebuck and the proposed change order (CO) was reviewed by Dabri Cost Estimating. CO has been approved and forwarded to Roebuck. Work to start in March 2018.

Focused Scope Projects

Focused Scope portfolio is organized into six packages. All ESER 2010 Focused Scope work (roofing, exterior envelope, generator, shower, mechanical, and window) has been complete. Refer to the Neighborhood Fire Stations full report for further detail.

The Bond has earned NFS savings on both cost of issuance resulting from packaging the bond sale with other bond programs, and from interest earned. The earned savings will be earmarked for *Additional Focused Scope* projects, resulting in this new ESER 2010 projects' category.

Additional Focused Scope Projects

A budget of \$5,403,084 has been identified for additional focused scope projects. Of the \$5,403,084, \$2,338,025 is for Apparatus Bay Doors. In July 2017, SFFD requested that additional generator replacements be added to the Focused Scope program. The balance of \$3,065,060 in the Additional Focused Scope budget is earmarked for (additional) Generators, FS 31 leak improvements, and HQ Envelope painting.

Emergency Firefighting Water System (aka Auxiliary Water Supply System - AWSS)

Construction continued for Pumping Station 1 (WD-2686) contract. The Cisterns E (WD-2746) and Cisterns F (WD-2747) contracts achieved final completion. Pumping Station 2 (WD-2687R) construction contract notice-to-proceed was issued.

Budget

To date, the ESER 2010 has received the proceeds of six bond sales totaling \$412,300,000. Total appropriation includes the proceeds from the six bond sales plus \$4,458,553 in interest-earned. The expenditures are through June 30, 2017 instead of December 31, 2017 due to conversion issues with the City's new financial system, FSP. The department is working with the Controller's office to resolve these issues and expect resolution before the end of this fiscal year. The expenditures thru June are \$345,865,294 of which \$228,635,201 is for the Public Safety Building; \$36,937,064 is for the Neighborhood Fire Stations; \$76,979,758 is for the Auxiliary Water Supply System; and \$3,313,271 is for Bond Cost of Issuance, Bond oversight and accountability expenses.

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A budget revision was executed in October 2017 in which the budget for the Public Safety Building was reduced by \$8,500,000 due to favorable market conditions and because additional funding was received from the Mission Bay Developer. The budget for the ESER 2010 Neighborhood Fire Stations increased by \$7,067,175 funded by the savings from the cost of issuance and interest-earned. Included in this amount, is \$2,338,024 which is the same amount deducted from the ESER 2014 Neighborhood Fire Stations in order to fund additional scope needed for the Office of the Chief Medical Examiner. The budget for the ESER 2010 Auxiliary Water Supply System increased by \$284,472 funded from the interest-earned. The Other Costs, which includes Oversight, Accountability and Cost of Issuance, was reduced by \$2,893,094 due to cost of issuance savings as a result of bundling our bond sales with other Capital Programs. The breakdown of the proceeds received to-date is discussed in the [Budget, Funding and Expenditures](#) section of this report.

Executive Summary

ESER 2014

In June 2014, 79% of the voters approved Proposition A - Earthquake Safety and Emergency Response Bond 2014 (ESER 2014) for \$400M. ESER 2014 will pay for repairs that will allow San Francisco to quickly respond to a major earthquake or disaster.

The ESER 2014 is comprised of five components: **Office of the Chief Medical Examiner (OCME)**; **Traffic Company & Forensic Services Division (TCFSD)**; **Neighborhood Fire Stations (NFS)**; **Emergency Firefighting Water System (EFWS)**; and **Police Facilities (PF)**. SFPUC will manage the Emergency Firefighting Water System component and Public Works will manage the remaining components.

Office of the Chief Medical Examiner

Safety – no reportable accidents. Substantial Completion was achieved on October 10, 2017. The OCME facility was open for business on November 6, 2017. Punchlist work is in progress. Estimated completion of the punchlist items is end of January 2018.

The project is anticipated to achieve LEED Gold certification.

Traffic Company & Forensic Services Division

HOK Architects are providing A/E services.

Vanir/Saylor, a Joint Venture Partnership, is providing supporting management services, mainly in the review of cost estimates, construction schedule, and other project related activities.

The project delivery method is CM/GC with design-build Core Trade Subcontractors (mechanical, plumbing, electrical and exterior building envelope (curtain wall)). A RFQ process resulted in the short-listing of three teams led by the following construction firms:

1. Clark Construction Group
2. McCarthy Building Companies
3. Turner Construction Company

The RFP for the CM/GC Team was issued in May 2017 and the submittals were provided on July 12, 2017, with Clark Construction Group emerging as the selected CM/GC Team. The notice to proceed into pre-construction services, which will coincide with the start of the Design Development phase, occurred on November 27, 2017 followed by a pre-construction services kick-off meeting on November 30, 2017 attended by the A/E and CM/GC teams and

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various City representatives. The Site Permit Application was submitted to DBI on December 21, 2017.

The project is obliged to LEED Gold certification.

Neighborhood Fire Stations

The ESER 2014 NFS program is comprised of three sub-components: *Focused Scope*, *Comprehensive*, and *Seismic projects*. Fire Chief Joanne Hayes-White first approved the portfolio of 44 projects in April 2016 and most recently approved the first budget revision in October 2017.

Stations for each sub-component of work (Focused Scope, Comprehensive, and Seismic) have been identified. The early Focused Scope projects are organized into nine (9) categories: Apparatus Bay Doors, Roofing, Showers, Windows, Exterior Envelopes, Mechanical, Emergency Generators, Sidewalks, and Security Access. See project detail for more information.

New Fireboat Station 35 – Swinerton-Power, JV submitted executed Contract Agreement on October 2nd. NTP was issued on October 6th, with a start date of October 10th. Contract duration is 1,086 consecutive calendar days to Substantial Completion. First OAC Meeting was held on October 10th. Public Outreach internal kick-off meeting was held on September 1st. Kick-off Partnering Session was held on October 28th. Project team gave an introductory presentation at the United States Army Corps of Engineers' (USACE) monthly interagency meeting on October 12th. Project's Informational Meetings were held on October 24th and December 7th.

Pier 26 Fire Boat Berths – The ancillary project for additional fire boat berthing and the temporary berthing during the construction of the Fireboat Station. Construction completed on March 14th, 2017, except for fencing and electrical work. The fencing design was approved by SF Port and will be installed when the contractor returns to the site for the electrical work. Contractor is proceeding with ordering long-lead electrical components. Foam-filled fenders were installed on November 17th.

Police Facilities

ADA Package 1: Construction Completed.

ADA Package 2: Construction Completed.

Northern, Richmond, and Taraval Police Station Renovation: Project is under construction with an anticipated substantial completion date of May 23, 2018.

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Ingleside Station Renovation*: Wickman Construction submitted the lowest responsible bid and the project was awarded. Construction Notice to Proceed was issued to Wickman Construction on December 11, 2017 with an anticipated substantial completion date of December 06, 2018.

Park Police Station Renovation*: Park Police Station Renovation was advertised together with Ingleside Station Renovation under one contract. Wickman Construction was the lowest responsible bidder and the project was awarded. Construction Notice to Proceed was issued to Wickman Construction on December 11, 2017 with an anticipated substantial completion date of December 06, 2018.

**Reporting for Ingleside Station and Park Station Renovation will be combined in future reports as they are under the same contract.*

New Firearms Simulator Training Facility: Building permit application was approved in November 2017; construction Notice to Proceed was issued to Giron Construction on November 13, 2017 with an anticipated substantial completion date of February 10, 2018. The project is under construction.

Police Academy Renovation Project: CEQA CatEx was received in October 2017; the project was submitted to DBI for a building permit in November 2017. The project is under review by DBI.

MEP Package 2: CEQA CatEx was received in October 2017. Bayview Police Station Renovation was submitted to DBI for a building permit in October 2017 and was fully permitted in November 2017; Tenderloin Police Station Renovation was submitted to DBI for a building permit in November 2017, permit is pending once an encroachment permit from BSM is issued.

Mission Station Renovation: Structural testing was completed by an outside consultant in December 2017. The project will begin design phase in first quarter of 2018.

Emergency Firefighting Water System

Construction continued for Irving Street contract.

Budget

The ESER 2014 approved budget is \$400,000,000. To date the ESER 2014 has received the proceeds of two bond sales totaling \$210,265,000. The third and final bond sale of \$189,735,000 is expected to occur in summer 2018. The expenditures are through June 30, 2017 instead of December 31, 2017 due to conversion issues with the City's new financial

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system, FSP. The department is working with the Controller's office to resolve these issues and expect resolution before the end of this fiscal year. The expenditures thru June are \$106,632,255 of which \$59,665,999 is for the Office of the Chief Medical Examiner; \$23,347,118 is for the Traffic Company & Forensic Services Division; \$6,716,544 is for the Police Facilities; \$10,143,466 is for the Neighborhood Fire Stations; \$4,877,891 is for Emergency Firefighting Water System (EFWS); and \$1,881,237 is for Oversight, Accountability & Cost of Issuance.

A budget revision was executed in October 2017 in which the budget for the ESER 2014 Neighborhood Fire Stations was reduced by \$2,338,024 and the budget for Office of the Chief Medical Examiner increased by the same. As discussed earlier, the ESER 2010 Neighborhood Fire Stations budget increased by \$7,067,175 which included the \$2,338,024. This transaction shifted Neighborhood Fire Stations scope of work from ESER 2014 to ESER 2010 and it allowed to fund additional scope needed for the Office of the Chief Medical Examiner.

The breakdown of the proceeds received is discussed in the [Budget, Funding and 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 (ESER 2010)



Photo © Tim Griffith, 2015

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.

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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)* Police Investigations and associated property and evidence storage will remain at the Hall until they are relocated.

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 and emergency medical services.

Project Status:

Project is complete and the facility is occupied.

Project Schedule:

- Construction Activities are complete.
- CERTIFICATE OF COMPLETION EXECUTED JULY 10, 2017

Project Budget: Project Cost, inclusive of all change orders to date, tracked to within the Total Project Budget of \$243M. Refer to the [Attachment 1 – Program Budget Report](#) for further detail.

Neighborhood Fire Stations (ESER 2010)

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: All of the 42 San Francisco Fire Stations have, as a result of minimal deferred maintenance over decades, yielded building conditions that potentially compromise the safety and health of firefighters. Many stations have structural/seismic, and other deficiencies that could inhibit their continuous functionality. Some may not be operational after a large earthquake or other disasters, hindering the ability of the firefighters to respond to calls for service.

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

For budget 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 \$350M to correct, significantly more funds than are available in this bond for such purposes. 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 2010 bond was identified by Public Works and the Fire Administration, and accepted by the Fire Commission at their meeting of September 23, 2010.

The ESER 2010 bond program is anticipated to complete improvements to 16 of the 42 neighborhood fire stations. The approved slate of projects was presented to the SF Fire Commission on April 26, 2012.

Project Status:

Design services are being provided by Public Works BDC/IDC.

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SFFD evaluated project scope and program budget options prepared by Public Works and approved on February 29, 2012 a final slate of Groups I, II and III projects to be completed as part of ESER 2010. The approved slate of projects was presented to, and accepted by, the SF Fire Commission on April 26, 2012.

Seismic Projects: Stations 16 and 5

Station 16:

Design services: Public Works BDC/IDC

Contractor: Roebuck Construction

Percentage Complete (12/31/2017): 42%

Construction activities in October included the following activities: Placement of 1st floor lower level concrete slab on September 20th, placement of the 1st floor upper level concrete slab on October 6th. City approved non-compensable time extension of 58 calendar days to Roebuck Construction. Concrete slab on the 2nd floor was placed on November 9th. Shoring at the 1st floor lower and upper levels was removed. 2nd floor structural steel and metal framing work begun in December as well as the installation of metal frame exterior walls, structural steel framing, and metal deck. Substantial Completion was revised to February 20, 2018.



Fire Station 16 – Assembling Steel Members 2nd Floor (December 27, 2017)

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Station 5:

Design services: Public Works BDC/IDC

Contractor: Alten Construction

Percentage complete (12/31/2017): 20%

Construction Activities:

October:

- Design and installation of temporary shoring system, digging, and placement of fabric formwork in preparation for concrete footings is complete.
- Poured perimeter concrete footing on Friday, October 20.
- Removed temporary shoring system at building perimeter.

November:

- Installed formwork, rebar cages, and anchor bolts at spread footings in preparation for concrete pour.
- Placed spread footings at building interior on November 22.
- Temporary crane installed at project site on November 27.
- Erection of structural steel columns and beams commenced on November 29.

December:

- Set horizontal and vertical structural steel member.
- Staged metal decking at 2nd floor, 3rd floor, and roof.
- Structural steel welding in progress.
- Installation of Buckling-Restrained Braces (BRBs) in progress.



Fire Station 5 – View of Project Site from Webster Street (12/26/17)

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Fire Boat Station 35: (See ESER 2014 this report)

Fire Boat Station 35 will occur within ESER 2014 Program, however, the pre-design and CEQA and environmental review costs of \$687,125 will reside under ESER 2010. The budget that was identified for Station 35 was funded by ESER 2010 and the Fire Facilities Bonds funds totaling \$17M. The ESER 2010 funding will be used to offset Station 5 and 16. The Fire Facilities Bond funds will continue to supplement Station 35 under ESER 2014.

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 (BOE) and Emergency Medical Services (EMS). In this configuration, the sum total of functional program area makes it infeasible to occur at the current EMS venue at 1415 Evans; more significantly, the budget for such a project is not available within the ESER 2010 NFS funding.

SFFD requested that Public Works prepare a program analysis and cost estimate for the EMS apart from the BOE for consideration in the proposed 2016 SFDPH bond – which passed in November 2016. The analysis and prospective project at the location of FS9 is complete– see ESER 2014 for description of work in this regard.

Comprehensive Project: Station 36

Project was successfully completed and SFFD reoccupied the station on November 19, 2014. The Fire Department requested two elements of work apart from the basic scope of FS36 – new apparatus bay doors and HVAC cooling in select South-facing areas identified post-occupancy. The new apparatus bay doors are installed. The HVAC work is in design and permitting, and work is anticipated to occur in late fall 2017.

In addition, scope included rebuilding the driveway/apron. This work was designed applying lessons learned from new Fire Station #1 to avoid the damaging of the underside of fire apparatus, while remaining conformant to ADA standards for accessibility to ensure proper path of travel. This work is complete.

Focused Scope Projects

Design services are being provided by Public Works BDC/IDC. Four (4) of the five (5) emergency generators are designed by GHD (an as-needed electrical engineering consultant.)

Roofs – 15 Stations

Summary: The scope consists of installing new roofing systems and upgrading exhaust fans on fifteen (15) stations. 2011 Package (Stations 6, 38, 41 and 42), Package 1 (Station 28); Package 2 (Station 2); Package 3 (Stations 18, 40 and 31), Package 4 (Stations 15, 17, 26, and 32), and Package 5 (Stations 10 and 13) roofs. Per SFFD direction, the 2011 package and Package 2 were completed by JOC contractors, and the balance of the projects were bid out to C39 roofing contractors.

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Detail: All work is complete.

Exterior Envelope (BBR) – 16 Stations

Summary: The scope consists of paint and ancillary work to prevent water intrusion at sixteen (16) stations. Per SFFD direction, BBR executed the paint work at six (6) Stations, 6, 28, 38, 41, 42, and 49 while the remaining work, Package 4 (Stations 15, 32 and 40), Package 5 (Stations 10, 13, 17 & 26), and Package 6 (stations 2, 18 & 31) were bid out through Public Works public bidding process to B or C33 license contractors due to the complexity of scope at these stations.

Detail: All work is complete.

Emergency Generator Replacement – 5 Stations

Summary: The scope consists of installing new Emergency Generators and related ancillary scopes of work at five (5) Stations 6, 12, 15, 17, and 21. Per SFFD direction, BBR executed the work at Station 15; a JOC contractor executed the work at Station 17; and Stations 6, 12 and 21 were bid through the Public Works public bidding process to C10 license contractors.

Detail: Stations 6, 12, 15 and 21 were completed in 2014. Station 17 work was completed on December 11, 2015 and close-out reached in September 2016.

Detail: All work is complete.

Shower Reconstruction – 9 Stations

Summary: The scope of work consists of installing new shower stalls including shower pans, shower heads, divider walls, glass doors, floor drains, p-traps, access panels, and ancillary scopes of works at nine (9) Stations, 6, 13, 15, 17, 18, 26, 38, 40 & 41. Station 6 was completed by BBR in July 2013. Station 15 was completed by JOC Contractor, Rodan Builder, in September 2013. Stations 13, 18, 26, 38, 40 & 41 were bid through the Public Works public bidding process to B license contractors. Stations 17 and 18 were put on hold by SFFD due to scope complexity.

Detail: All work is complete.

Mechanical Scope (JOC) – 15 Stations

Summary: The scope is structured into two phases: Phase 1 – Investigation and Scope Validation, and Phase 2 – Execution of Work. The stations were divided into two groups, Group 1 – four (4) stations and Group 2 – eleven (11) stations. Group 1 (Stations 6, 17, 38 and 42) had an NTP issued on May 24, 2013. The stations were substantially completed in August 2013, and final completed by Azul (JOC Contractor) in November 2013. Group 2 (Stations 2, 10, 13, 15, 18, 26, 28, 31, 32, 40, 41) were awarded to Rodan (JOC Contractor). NTP was issued on December 16, 2013. Work started on January 2, 2014, and reached final completion in November 2014.

Detail: All work is complete.

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Window Repair (BBR) - 12 stations

Summary: The scope consists of installing new latch, handle, weep holes, sealant and weather-strip to existing windows, replacing broken panes of glasses, and adjusting alignment and resealing the perimeter of the frame to water tight at twelve (12) Stations, 2, 6, 17, 25, 26, 28, 31, 32, 38, 40, 41 and 42. BBR was selected to perform the work per SFFD direction. The first Package including Stations 28, 38, 41 and 42 started in April 2012 and completed in June 2012; the second package including Stations 6, 17, 32 and 40 began in April 2013 and finished in June 2013; and the third package including Stations 2, 25, 26 and 31 started construction in November 2013, and completed in January 2014.

Detail: All work is complete.

Additional Focused Scope

Summary: Additional Focused Scope includes Apparatus Bay Door Replacement 8 Fire Stations (FS 8, 14, 18, 25, 28, 33, 39 & 43), Leak Repair at FS 31, and Headquarter Painting. In addition, in July 2017, SFFD requested that 10 Fire Stations receive Additional Generator Replacement (by SFFD priority: FS 2, 18, 37, 44, 23, 19, 24, and 41).

Detail: Project Management will procure the services of an AE in the first quarter of 2018 to develop a needs scope at each Fire Station to determine the budget feasibility of providing some or all of the Generator Replacements at 10 Fire Stations. Project Management will procure the services of a JOC contractor by fall of 2017 to repair the leak at FS 31, and Project Management is working with Contract Administration to procure a JOC for the Apparatus Bay Door Replacement at 8 Fire Stations. Headquarter Painting was Substantially Completed by BBR on 9.5.17, and Final Completion occurred on 10.20.17.

Historic Evaluation and Environmental Review

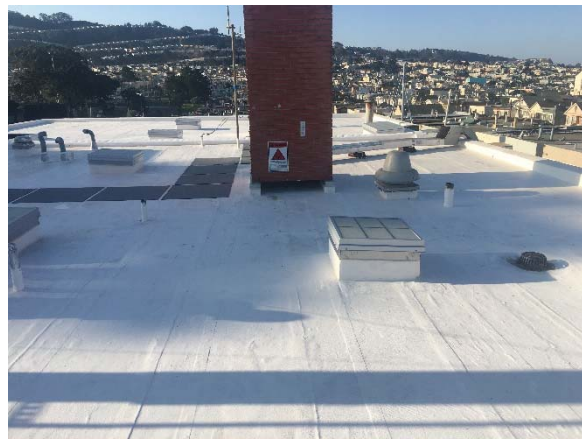
Summary: CEQA reviews and approvals proceeded apace coordinated with the overall design and construction schedule of projects.

Detail: Historic evaluation site visits were completed at 21 stations (14 Focused Scope / Alternate stations; 6 Seismic / Comprehensive stations; and the Fire Boat station.)

Project Budget:

Refer to the [Attachment 1 – Program Budget Report](#).

Neighborhood Fire Stations (ESER 2014)



FS 43 Roof Replacement (before / after)

Projects' Description:

The ESER 2014 bond program continues the work of ESER 2010 bond, categorizing projects according to three sub - categories of Focused Scope, Comprehensive, and Seismic. The ESER 2014 bond program will continue to address identified and prioritized needs at Fire Stations that were previously not addressed under the 2010 program. Significant construction projects will have been completed at all SFFD Fire Stations at the conclusion of the 2010 and 2014 bond programs.

Project Status:

Design services are being provided by Public Works BDC/IDC, unless otherwise noted.

SFFD approved the NFS Focused Scope, Comprehensive and Seismic budget portfolio in April 2015.

Cost estimates had been provided by consultant Saylor and Associates in 2015-16. Dabri Estimating provided new and updated estimates for design documents beginning second quarter of 2017.

Seismic Projects:

Fire Boat Station 35

Design/Builder: Swinerton/Power, JV

Design Phase: October 2017 – September 2018

CEQA Process: September 2017 – November 2018

PORT Permits: September 2018 – January 2019

Construction Phase: December 2018 – November 2020

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October:

- Swinerton-Power, JV submitted executed Contract Agreement on October 2.
- NTP was issued on October 6, with a Start Date of October 10.
- Contract Duration is 1,086 consecutive calendar days to Substantial Completion.
- First OAC Meeting was held on October 10.
- Public Outreach internal kick-off meeting was held on September 1.
- Kick-off Partnering Session scheduled was held on October 27.
- Project team gave an introductory presentation at the United States Army Corps of Engineers' (USACE) monthly interagency meeting on October 12.
- Project Informational Meeting #1 were held on October 24.

November:

- OAC Meetings are being held weekly with the Design-Build team, Public Works, Port, and SFFD.
- Public Outreach internal kick-off meeting was held on September 1.
- Kick-off Partnering Session held on November 28.
- Accepting public comments and questions through December 29 by comment cards and online survey.
- Responses will be posted to the project website, www.sfearthquakesafety.org/fireboatstation35

December:

- Project Informational Meeting #2 held on December 7 at Pier 1.
- Presentation and Q&A Sheet posted to the project website, www.sfearthquakesafety.org/fireboatstation35



Fire Station 35 – Proposed Concept Harrison Street View Corridor

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Pier 26 Fire Boat Berths

Design services: COWI Engineering

Contractor: Vortex Marine Construction

Percentage complete: 83%

Construction completed by Vortex Marine Construction on March 14, 2017, except for fencing and electrical work. The fencing design was approved by SF Port and will be installed when the contractor returns to the site for the electrical work which is dependent on the agreement with PGE and the SFPUC for the provision of power to the location. Electrical design review comments were received by PG&E in June 2017 and the Contractor is proceeding with ordering long-lead electrical components and revising their construction schedule. Installed foam-filled fenders on November 17.



Pier 26 Fire Boat Berths – Fenders Installed (November 17, 2017)

Comprehensive Projects:

Fire Station 3 & 7

Combined budget for FS 3 and 7 is \$8M. FS 3 was determined to be it a collapse hazard based on the assessment received from IDC-Structural’s study. SFFD directed design work to stop, and will consider plans for a new FS 3 in its overall seismic portfolio for future bonds. FS 7 is on hold to be considered for the list of projects for ESER 2020.

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Focused Scope Projects

The NFS team has moved forward with planning, design, bidding and construction of the Focused Scope projects in all 9 of the categories apparatus bay doors, roof replacements, shower renovation, exterior envelope, windows, sidewalk, emergency generator, and mechanical projects. ESER 2014 Focused Scope projects impact 35 Fire Stations.

Design services are being provided by Public Works BDC (architecture) /IDC (engineering). As-needed engineering consultant GHD is the engineer of record for Fire Station 3 mechanical and emergency generator.

Apparatus Bay Doors (35 Fire Stations):

Design has been completed by Public Works BDC Architecture for the Apparatus Bay Door Replacement projects at 35 fire stations.

- Package 1 (FS 15; including Ancillary Work)
Project achieved final completion on 11/7/2016.
- Package 2 Ancillary (not used)
Ancillary work is now tracked under “Package 4”.
- Package 3 App Bay Door Replacement (Telescoping doors at FS 2, 3, 11, 13, 19, 24, 31, 34, 40, 41):
This project bid on August 30, 2017, resulting in a responsive low bid from *DW Nicholson* (DWN) for \$1,065,414. On 10.20.17, DWN received a Notice of Award. On 10.27.17, the manufacturer notified DWN that they were no longer manufacturing telescoping doors, and the contract certification was put on hold. Project Management was notified by another company that they are in the process of purchasing the manufacturer, *Entrematic*, and would continue to manufacture telescoping doors and honor the bid price. An NTP will likely be issued in mid - January to DWN to proceed with this project.
- Emergency Declaration - Fire Station 3
Fire Station 3 was originally part of Package 3, but has been broken out to DW Nicholson as a separate contract. On 11.28.17, SFFD notified Project Management that the door at FS 3 had broken and was irreparable. On 12.1.17, the Director of Public Works signed an Emergency Declaration, and by 12.13.17 shop drawings were approved and the door was ordered. The door is expected to be delivered and installed in mid – January 2018.
- Package 4 Ancillary Work at new 4-Fold Doors (FS 6, 9, 10, 11, 12, 14, 17, 20, 21, 22, 23, 26, 32, 37, 38, 42, 44):

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The scope is to relocate or modify the existing conditions in conflict with the new 4-fold app bay doors that will be installed at 17 Fire Stations. PW Project Management, in coordination with PW Bureau of Building Repair (BBR), has scoped all sites. Project Management has reviewed, negotiated and approved all BBR proposals for this work. Due to the migration of the accounting system, BBR had some initial difficulty in ordering materials and commencement of work was delayed to mid- December. BBR has completed FS 22 & 23.

- Package 5 & 6 (previously “package 4 TBD”) Twenty Five Fire Stations are impacted by these 2 packages. The scope is to replace and install new overhead app bay doors at (8) Fire Stations (FS 8, 14, 18, 25, 28, 33, 39, and 43), and to replace and install existing app bay doors with new 4-Fold doors at (17) Fire Stations (FS 6, 9, 10, 11, 12, 14, 17, 20, 21, 22, 23, 26, 32, 37, 38, 42, 44), comprising all remaining scope of work under App Bay Door Replacement category in the Focused Scope program. Project Management obtained approval from the Deputy Director to proceed with JOC contractor RFPs for this work, and is working with Contract Administration to prepare two JOC Invitations to Bid for advertisement in spring 2018. All ancillary work by BBR must be complete at the Fire Stations receiving 4-Folds before the new doors can be installed by the JOC contractor.

Roofs (10 Fire Stations):

- Package 1 (FS 3 - Roof/HVAC/Generator Replacement):
The scope is to replace and install the new roof, HVAC and emergency generator at Station 3. FS3 achieved Final Completion on 9.8.17, and is in financial close-out.
- Package 2 (FS 40 - Roof Replacement In-kind):
The scope calls for replacing the roof in-kind at Station 40. Project closed out.
- Package 3 (FS 3 & 17 Roof Replacement):
On 11/17/16 the project was closed out.
- Package 4 (Not Used):
Package not used.
- Roof Package 5, 6 & 7 were merged into a single bid package (Pkg. 5) (Fire Stations 9, 20, 23, 24, 29, and 43). The NTP was issued to Pioneer on 6.29.17

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with a Substantial Completion date of 10.22.17. Pioneer's bid came in at \$1.7M, 75% of the construction estimate by Saylor (\$2.3M), and the funds were reallocated to program contingency. Substantial Completion was achieved by 10.22.17, with the exception of a delay to 12.11.17 due to the use of a mechanical allowance for a long lead item at FS 43.

Showers (7 Fire Stations):

- Package 1 (FS 13, 20, 22 & 34):
The scope consists of renovating the existing showers at 4 stations. This project is closed out.
- Package 2 (FS 17, 19 & 33)
The scope is to renovate the existing showers at 4 stations. Per SFFD direction on 7/18/16, FS 10 was removed from the scope because FS 10 is being used as swing space for FS5 while it is under construction. The Invitation to Bid is anticipated to advertise in February 2018.

Window Repairs (15 Fire Stations):

BBR was selected to perform all the work, per SFFD direction, for all window repair projects.

- Package 1 (FS 9, 19, 24, & 29):
Package 1 is closed out.
- Package 2 (Not Used):
Package not used.
- Package 3 (FS 25):
Package 3 is closed out.
- Package 4 (FS 8, 20 & 21):
Package 4 is closed out.
- Package 5 (FS 14, 33, 37 & 43):
FS 14, 37, 41 and 43 are completed. BBR commenced work on FS 43 on 3/15/17 and completed work by 5/1/17. FS 33 is the final window project in the Focused Scope Program. Project management approved FS33 proposal at fiscal year-end but due to the City wide financial system transition, funding the project was delayed. FS 33 will commence in January 2018 and be completed by February 2018.
- Package 6 (FS 11, 12 & 23):
Package 6 is closed-out.

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Exterior Envelope (8 Fire Stations):

- Package 1 (FS 8, 20, 23 & 29):
The scope includes power wash and new paint to exterior facade of the stations. BBR was selected to perform the work per SFFD direction. SFFD directed Public Works on 4/25/16 to put FS 8 Exterior Envelope on hold until the commercial mid-rise building that is under construction currently adjacent to FS 8 is complete, which is anticipated to delay the commencement of work at FS 8 until spring or summer 2018. FS 20, 23 & 29 are on hold until Pkg 5 Roof Replacement project is substantially complete. These projects will commence in spring 2018, after winter inclement weather has passed, allowing for the work to begin.
- Package 2 (FS 24 & 34):
The scope of work consists of historic restoration of select exterior façade elements including brick re-pointing and limited replacement, lintel repair and re-coating, replacement of damaged glazing, repainting of stucco in select areas, replacement of parapet finishes (FS 24 only). This project is permitted and an Invitation to Bid will be advertised in late January, early February 2018.
- Package 3 (FS 11):
The scope of work includes repair deficiencies at the exterior envelope, power wash all surfaces, and prepare substrates required to receive new paint at the exterior façade. This project is on hold until the seismic hose tower removal project is complete at this station. No work shall proceed until further notice.
- Package 4 (FS 22):
The scope includes roofing, exterior envelope, waterproofing, and window repairs. The Invitation to Bid will be advertised the first week of January. Because this project includes re-roofing, work will commence in spring 2018, during optimal weather for re-roofing projects.

Mechanical (TBD)

- Package 1 (8, 9, 14, 20 & 41):
Per discussion with BBR, BBR team may be able to diagnose and improve the rooftop mechanical units at various stations. Previous PM met with BBR on 9/23/16 to discuss work logistics and plan. Mechanical scope of work at each

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station will be confirmed during site walks with BBR in Spring 2018, and priorities will be assigned in discussions with SFFD.

Emergency Generators (3 Fire Stations):

- Package 1 (FS 31):
At SFFD's request, the repairs at FS 14, 24, and 37 have been cancelled as part of this project. The SFFD requested full replacement of generators (in lieu of improvements) at FR 14, 24, and 37. The package 1 scope of work is to replace the existing emergency generator and ancillary work at FS 31. An electrical and mechanical engineer has been procured to commence design. As soon as a service order is issued by contract administration, the engineer will start construction documents.

- Proposed (new) Package 2 (FS 2 & 13)
The scope of work will consist of upgrades to fuel systems. An electrical and mechanical engineer is providing a fee proposal for design. As soon as a service order is issued by contract administration, the engineer will start construction documents.

Sidewalks/Slabs

- Package 1 (FS 13):
Project is closed out.

- Package 2 (FS 31):
Project is closed out.

- Package 3 (FS 26):
Project is closed out.

- Package 4 (FS 20)
This project was eliminated at SFFD's request.

Access Control Systems (35 Fire Stations):

- The scope is to provide electronic access control systems via card key at all exterior person-doors at all fire stations, including providing new or replacement of door hardware and electronic power systems as needed. Thirty three Fire Stations have received new electronic access control systems, and 12 Fire Stations are remaining.

Bureau of Equipment and Emergency Medical Services

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SFFD requested Public Works to prepare a program analysis and cost estimate for the Bureau of Equipment (BOE) and the Emergency Medical Services (EMS) for consideration as a project or projects to be funded by ESER 2014.

Public Works completed program analysis and conducted test fits of for the EMS Facility at four locations. The optimal site was found to be a consolidation of two properties owned by the City, the equipment yard located behind Fire Station No. 9, at 2245 Jerrold Ave., combined with an adjacent vacant railroad right-of-way that extends from Jerrold Avenue to McKinnon Avenue. The budget for the EMS Facility is \$44M, for a project scheduled to be completed in 2020.

During the capital project prioritization and planning phase of ESER 2014, SFFD decided that, due to other high priority capital needs, the EMS Facility project could not be included in the list of projects to be constructed by ESER 2014. The EMS Facility project was deferred to Public Health and Safety Bond which was approved by the voters in November 2016 under the new project name of Ambulance Deployment Facility (ADF).

Public Works completed program analysis and conducted test fits of for the BOE Facility at two locations. The optimal scenario was found to be renovation of the existing SFFD facility at 1415 Evans, which would become feasible after EMS/ADF is relocated to another facility. Therefore, further work on the BOE Facility project is deferred to a subsequent capital program yet to be determined.

Earthquake Safety and Emergency Response Bond Program
(ESER 2010 & 2014)

Emergency Firefighting Water System



Laguna Honda Hospital cistern



18th Avenue & Moraga Street cistern



5th Avenue & Cabrillo Street cistern

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Emergency Firefighting Water System

Program Description: The Earthquake Safety and Emergency Response Bonds will seismically improve the Emergency Firefighting Water System cisterns, pipelines, tunnels, and physical plant.

Program Background: The Emergency Firefighting Water System 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.

Status:

Planning and Design

1. 19th Avenue Pipeline – Install new 20” Auxiliary Water Supply System (AWSS) pipe on 19th Avenue from Irving Street to Kirkham Street as part of Public Works’ 19th Avenue Roadway Improvements, Contract 2652J. Bid advertisement 2/2018.
2. Clarendon Supply – Provide a new AWSS water supply and pipe near the crest of Clarendon Avenue at Dellbrook Avenue. Design completion 3/2018. Work to be included in the pending AWSS Pipeline Improvements contract.
3. Fireboat Manifold – Install new fireboat manifold and pipeline at Fort Mason Pier 2. Design completion 6/2018.
4. Ingleside Pipeline – Install new 20” AWSS pipe from existing Ocean Avenue AWSS pipe towards Lake Merced. Design completion 6/2018.
5. Lake Merced Pipeline– Install new 20” AWSS pipe from Lake Merced Pump Station to Vidal Drive / Higuera Avenue intersection. Design completion 3/2019.
6. Sunset Pipeline – Install new Potable AWSS pipeline from Sunset Reservoir. Planning completion 4/2018.
7. University Mound Pipeline – Install new 20” AWSS pipe from University Mound Reservoir to the existing 20” AWSS pipe at Third Street and Salinas Avenue. Design completion 6/2018.
8. University Mound Pump – Install new pump at University Mound Reservoir in conjunction with the University Mound Pipeline project. Conceptual engineering report completion 6/2018.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Construction

1. Ashbury Bypass Pipeline – Install new 20” AWSS pipe near Ashbury Heights Tank as part of Public Works’ Clayton St, Clipper St, and Portola Dr. Pavement Renovation, Sewer Replacement and Water Installation, Contract 2500J. Notice-to-proceed expected 3/2018.
2. Cisterns – All 30 planned cisterns are functional.
3. Control System – Improve the AWSS control and telecommunications systems. Completion 2/2018.
4. Irving Street Pipeline – Install new 20” AWSS pipe on Irving Street from 7th Avenue to 19th Avenue as part of Public Works’ Irving Streetscape & MUNI Forward, Contract 2541J. AWSS construction completion 9/2018.
5. Mariposa/Terry Francois Boulevard AWSS Pipeline – Notice-to-Proceed expected 2/2018.
6. Pumping Station 1 – Install new diesel engines for seawater pumps. Substantial completion 6/2018.
7. Pumping Station 1 Tunnel – Install resilient inserts to improve Pumping Station 1 seawater tunnel seismic performance. Construction schedule pending.
8. Pumping Station 2 – Improve the building structure’s seismic performance. Notice-to-proceed issued 12/2017.
9. Street Valve Motorization – Motorize street valves on AWSS pipelines for improved water flow control. Bid advertisement expected 4/2018. Work to be included in the pending AWSS Pipeline Improvements contract.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Cisterns

Cisterns E (WD-2746) construction is substantially completed and Cisterns F (WD-2747) construction continued. Thirty planned cisterns are functional.

| Contract | # | Location | Constructing | Functional | Contract Schedule |
|-------------------------|---|---------------------------|--------------|------------|--|
| Cisterns E (WD-2746) | 1 | 16th Ave., Vicente St. | | ✓ | Substantially Complete |
| | 2 | 17th Ave., Pacheco St. | | ✓ | |
| | 3 | 18th Ave., Moraga St. | | ✓ | |
| | 4 | 18th Ave., Santiago St. | | ✓ | |
| | 5 | Laguna Honda Hospital | | ✓ | |
| Cisterns F (WD-2747) | 1 | 5th Ave., Cabrillo St. | | ✓ | Substantial Completion (October 2017) |
| | 2 | 6th Ave., California St. | | ✓ | |
| | 3 | 30th Ave., Lake St. | | ✓ | |
| | 4 | Apollo St., Williams Ave. | | ✓ | |

Office of the Chief Medical Examiner (OCME)

(ESER 2014)



Project Description: The \$66.2M project will relocate Office of the Chief Medical Examiner (OCME) to One Newhall Street in the India Basin Industrial Park. The new facility will house about 50 employees who are organized into the four units of the OCME: Field Investigations, Medical/Autopsy, Laboratory, and Administration.

One Newhall Street was an existing 28,000 gsf industrial warehouse which was almost entirely demolished and a second floor was added within the existing footprint of the building resulting in a seismically safe 46,000 gsf facility.

Project Background: The existing OCME is located at 850 Bryant also known as the Hall of Justice (HOJ). The HOJ is over 50 years old and seismically deficient. In the event of a major earthquake, this building is not expected to be operational. This project is part of a larger strategy to replace the Hall of Justice established in the City's 10-Year Capital Plan as the Justice Facilities Improvement Program (JFIP).

The OCME is accredited by the National Association of Medical Examiners (NAME). During the previous accreditation in 2008, the City was advised that the existing facility is undersized, has a number of deficiencies that are currently mitigated by operational protocols, and the facility should be replaced to assure continued accreditation.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Project Status:

KMD Architects as executive architect has been providing CA phase services. Majority of permits have been obtained. There are three permit addenda at DBI awaiting approval. Eighty seven Informational Bulletins were issued for various clarifications and added scope.

Clark Construction started construction on November 17, 2015. Project's final completion is scheduled on October 26, 2017. Revised final completion is estimated in February 2018.

LEED Gold is the mandatory goal for this project (minimum 60 points required to be awarded the Gold certification). Project was registered with USGBC on April 9, 2014. Updated LEED scorecard lists 64 points under "yes" and 4 points are under "maybe" category.

SCHEDULE

- | | |
|------------------------------|-------------------|
| ○ Construction NTP | November 17, 2015 |
| ○ Permanent Power Tie-In | April 18, 2017 |
| ○ Start of Close-Out | July 16, 2017 |
| ○ Substantial Completion | October 10, 2017 |
| ○ Facility open for business | November 6, 2017 |
| ○ Final Completion | February 2018 |

LOCAL HIRING

- Total Work Hours – 30% requirement
- Actual – 30%
- Apprentice Work Hours – 50% requirement
- Actual – 50%

LBE Participation

- LBE Goal – 20%
- Total LBE Commitment is 26.54%
- Invoiced Amount through December – 29.21%

SAFETY

- No injuries, recordables incidents, or first aids to date

Earthquake Safety and Emergency Response Bond Program
(ESER 2010 & 2014)



Southeast View from Newhall St. / Jennings St.

Traffic Company & Forensic Services Division (ESER 2014)

Project Description: The project will relocate the SFPD Forensic Services Division (FSD) and SFPD Traffic Company (TC) to a site located at 1995 Evans Avenue, San Francisco. The amount of space requested for the Traffic Company was determined based on the Police Facilities Master Planning Study dated August 23, 2012.

The project is being developed to support a Full Time Employee (FTE) forecast for 2020 FSD demand of approximately 109 for FSD, approximately 100 for the Traffic Company and approximately 10 for the Real Estate Division's building engineering and custodial services. The size of the facility is approximately 90,000 gross square feet and allows for a potential future expansion if required.

Project Background: The SFPD Traffic Company is currently located at the Hall of Justice (HOJ) at 850 Bryant Street. The SFPD FSD is currently located in two facilities. The FSD Administration, Crime Scene Investigations, and Identification units are housed at the HOJ. The FSD Crime Lab is housed in Building 606 at the Hunters Point Shipyard.

The HOJ is over 50 years old and seismically deficient. In the event of a major earthquake, this building is not expected to be operational. This project is part of a larger strategy to replace the Hall of Justice, established in the City's 10-Year Capital Plan as the Justice Facilities Improvement Program (JFIP).

The Hunters Point Shipyard is being transferred from the U.S. Navy to the City. The City plans to develop the Shipyard as a residential area. The area in which Building 606 is located is planned to be public open space as an amenity for nearby residences. Prior to the transfer of the property, the Navy is obligated to remove and mitigate hazardous materials in the soil. To fulfill that obligation, the Navy may have to demolish Building 606. The schedule for completing the site clean-up and creating the open space in support of the housing development is uncertain, but may occur in 2020.

Project Status: CEQA has been completed; mitigated negative declaration was published in November 2013 and received no appeal.

Millennium Consulting performed the Hazardous Materials evaluation in October 2014, and published the final report in April 2015. Numerous building components were identified to contain lead and asbestos containing material in detectable quantities.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Escrow on the site acquisition closed in February 2015. Discussion of CalTrans parcel and adjacent rail line for use as surface parking lot is underway between the City's Real Estate Division and CalTrans. Site survey work was completed in August 2015.

HOK was selected through a competitive solicitation as the Executive Architect leading a team of architects and engineers to provide design, construction support, and other consultation services. HOK's Design Development phase began on November 27, 2017 to coincide with the start of pre-construction services. HOK submitted the Site Permit Application to the Department of Building Inspections (DBI) on December 21, 2017.

Azul Works, Inc. was selected to be the General Contractor (GC) through a competitive solicitation in July 2017 to lead the hazardous materials abatement and demolition of the existing City owned facilities located at 1995 Evans Avenue. The notice to proceed to Azul Works was issued on October 20, 2017, however a delay in vacating the 1995 Evans Avenue facility was not possible until November 10, 2017 (upon completion of the Central Shops facility on Jerrold Avenue). Abatement submittal work is anticipated to be approximately one month in duration followed by approximately three months of on-site abatement and demolition. As of January 2018, abatement submittal work is nearing completion which will allow on-site work to commence in February. The demolition permit application has been submitted to DBI and is expected to be approved as abatement work is nearing completion.

Clark Construction was selected to be the Construction Manager/General Contractor (CM/GC) through a competitive solicitation in July 2017. Clark will lead a team of "Core Trade Subcontractors," specifically: *C/S Erectors* for the exterior building envelope, *Southland Industries* for mechanical and plumbing, and *Rosendin Electric* for electrical. The CM/GC Team" will provide pre-construction services, which started on November 27, 2017. The Core Trade Subcontractors will become the design-builders for their respective trades. Construction is expected to start in 2018 and be substantially completed by late 2020.

The project is anticipated to achieve LEED Gold certification.

Schedule:

- Pre-Construction Services NTP November 27, 2017
- Pre-Construction Services Full Team Kick-off Meeting November 30, 2017
- New building construction Services NTP November 2018
- Substantial Completion October 2020
- Final Completion November 2020

Police Facilities (ESER 2014)

Projects' Description:

The project includes various focused scope projects at 12 police facilities (9 district stations and 3 support facilities) across the City. The work scopes are derived from a series of onsite investigations, observations, and professional evaluations of different building systems that include mechanical, electrical, plumbing, fire protection, and structural safety. It also includes assessments of building envelope (i.e. integrity of roof, doors, windows, and walls), ADA accessibility requirements, as well as other site improvements that ensure safety and security.

The project's overall budget is \$30M, the cost to address all building issues will likely exceed the budget, and therefore priorities are selected per recommendations by the Citywide Capital Plan. Those building deficiencies that potentially compromise the public's health and safety, and others that pertain to code compliance will get the first priority.

Budget:

Project budget remained the same as last report, no changes to budget was made in this quarter.

Projects' Status

ADA PACKAGE 1

The project addresses accessibility issues at the following stations: Central, Mission, Bayview, Northern, and Tenderloin. Project is completed, there are no updates.

ADA PACKAGE 2

The project addresses accessibility issues at the following stations: Ingleside, Park, Taraval, Richmond, and Police Academy. Project achieved final construction in November 2017. A total of \$93,489.04 was approved as change order, which is 11.4% of the total construction value. Public Works is working with the General Contractor to close out the contract and make final payments.

NORTHERN, RICHMOND, TARAVAL POLICE STATION RENOVATION PROJECT (formerly known as the *Northern Police Station Renovation and MEP Package-1*)

Public Works issued an authorization to begin construction work at Richmond Station in November 2017. The contractor have begun to work on storm drain replacement scope of work at Richmond Station. Public Works continue to work with the contractor to close out remaining submittals, answer RFIs, and attend regular weekly OAC meetings.

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Richmond Station – brick removal to expose concealed downspout



Richmond Station – sawcut existing asphalt for excavation and storm drainage installation

NEW FIREARMS SIMULATOR TRAINING FACILITY

Package #1: Demo existing trailer

Existing trailer was demolished and removed off-site on the week of 3/13/2017 – 3/17/2017.

Package #2: Modular Building

Building completed construction and is currently stored at the vendor's warehouse in Dixon, CA.

Package #3: Site and Utility Improvement

The building permit was issued by DBI in November 2017 and construction Notice to Proceed was issued to the JOC Contractor (Giron Construction) on November 13, 2017. The

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construction duration is 90 calendar days with an anticipated substantial completion date on February 10, 2018. However, the Contractor have identified several long lead items in the project which may require the project schedule to be extended, this will be reviewed and negotiated with the Contractor. Construction have begun, an underground utility survey was completed, site was laid-out, site demo will occur in January 2018 and the modular building is scheduled to be delivered to the site in February 2018.



Lay-out for sump pump



Lay-out of building footprint

INGLESIDE and PARK POLICE STATION RENOVATION (formerly 2 separate projects)

The project was awarded to Wickman Construction for a total of \$3,000,500. Construction Notice to Proceed (NTP) was issued to the contractor on December 11, 2017 with a substantial completion date of December 6, 2018. The first two months from NTP was designed to be a preconstruction phase where Public Works and GC work on submittals and shop drawing reviews, actual construction mobilization is scheduled in February 2018.

POLICE ACADEMY RENOVATION

Planning Department issued the CEQA CatEx on October 25, 2017. Permit drawings were completed and submitted to DBI for a building permit on November 29, 2017, review comments from DBI are pending.

The project construction budget is \$1.9M. A cost estimate based on 90% design drawings were completed by an outside consultant, the estimated construction cost (ECC) is

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\$3,009,174. The ECC included a roofing replacement scope which was not previously identified in the project and therefore not included in the original construction budget. This was discussed with the San Francisco Police Department and the consensus between Public Works and SFPD was to proceed with the project with the additional scope. To augment the discrepancy between the project budget and construction cost, SFPD committed \$610k to the project from General Fund and the remaining difference will be drawn from the program reserve. This project will be re-budgeted once final bids are received.

MEP PACKAGE 2 (BAYVIEW, TENDERLOIN)

Bayview Police Station Renovation is not a project under CEQA and therefore a CatEx is not required. Permit drawings were completed and submitted to DBI for a construction permit on October 12, 2017, the permit was issued on November 21, 2017.

Tender Police Station Renovation received CEQA CatEx from Planning Department on October 25, 2017. Permit drawings were completed and submitted to DBI for a construction permit on November 09, 2017. The permit is pending once an encroachment permit is issued by BSM, which is anticipated to be received in December 2017.

A cost estimate was completed based on 90% drawings on both projects by an outside consultant. The estimated construction cost for Bayview Station is \$1,046,120; the estimated construction cost for Tenderloin Station is \$1,439,624. The original construction budget for both projects is \$1.7M, the project will be re-budgeted once final bids are received.

MISSION POLICE STATION RENOVATION

Structural testing by an outside consultant was completed in December 2017. Preliminary structural scope based on the test findings was developed and the design phase will begin in early 2018.

Public Works IDC Electrical Engineer performed an analysis of the existing emergency generator and fuel tank and concluded that the generator and tank are in adequate condition and provides the required 72 hour continuous runtime. In addition the engineering opinion stated a minimum of 10 years of remaining useful life in the system, therefore a replacement is not recommended at this time.

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Budget, Funding and Expenditures

ESER 2010

The budget for the ESER 2010 Bond Program is \$412,300,000. The revised budget is \$416,758,553 which includes interest-earned. The following is a summary of the budget and appropriation per component:

| Components/Projects | Original Budget | Revised Budget | GENERAL OBLIGATION BONDS | | | | Encumbrance+ Expenditures / Revised Budget | Encumbrance+ Expenditures / Appropriation |
|--|--------------------|--------------------|--------------------------|--------------------|-------------------|-------------------|--|---|
| | | | Appropriation | Expenditures | Encumbrance | Balance | | |
| Public Safety Building (PSB) | 239,000,000 | 230,500,000 | 230,500,000 | 228,635,201 | 269,585 | 1,595,214 | 99% | 99% |
| Neighborhood Fire Stations (NFS) | 64,000,000 | 71,067,175 | 71,067,175 (i) | 36,937,064 | 21,887,840 | 12,242,271 | 83% | 83% |
| Auxiliary Water Supply System (AWSS) | 102,400,000 | 102,684,472 | 102,684,472 (i) | 76,979,758 | 3,633,710 | 22,071,004 | 79% | 79% |
| Oversight, Accountability & Cost of Issuance | 6,900,000 | 4,006,906 | 4,006,906 (i) | 3,313,271 | 0 | 693,635 | 83% | 83% |
| PSB Savings | | 8,500,000 | 8,500,000 | 0 | 0 | 8,500,000 | 0% | 0% |
| TOTAL | 412,300,000 | 416,758,553 | 416,758,553 | 345,865,294 | 25,791,135 | 45,102,124 | 89% | 89% |

(i) Pending interest earned reallocation into the respective components, totalling \$4.45M.

A budget revision was executed in October 2017 in which the budget for the Public Safety Building was reduced by \$8,500,000 due to favorable market conditions and because additional funding was received from the Mission Bay Developer. The revised budget and appropriation for PSB is \$230,500,000. The budget for the ESER 2010 Neighborhood Fire Stations increased by \$7,067,175 funded by the savings from the cost of issuance and interest-earned. Included in this amount, is \$2,338,024 which is the same amount deducted from the ESER 2014 Neighborhood Fire Stations in order to fund additional scope needed for the Office of the Chief Medical Examiner. The budget for the Auxiliary Water Supply System increased by \$284,472 funded from the interest-earned. The Other Costs, which includes Oversight, Accountability and Cost of Issuance, was reduced by \$2,893,094 due to cost of issuance savings as a result of bundling our bond sales with other Capital Programs.

The budget for other costs such as the Controller’s Audit Fund, Citizens General Obligation Bond Oversight Committee, Cost of Issuance and Underwriters’ Discount is \$4,006,906 of which \$3,965,935 has been appropriated.

The Accountability reports for the second thru sixth bond sales are available on the ESER website at <http://www.sfearthquakesafety.org/eser-2010-reports.html>.

Expenditures and Encumbrances

The ESER 2010 expenditures and encumbrances through June 30, 2017 is \$345,865,294 and \$25,791,135 respectively. The combined totals represent 89% of the appropriation of and 89% of the budget.

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ESER 2014

The ESER 2014 budget is \$400,000,000. The total appropriation is \$210,265,000. The following is a summary of the budget and appropriation per component:

| Components/Projects | Original Budget | Revised Budget | GENERAL OBLIGATION BONDS | | | | Encumbrance+ Expenditures / Revised Budget | Encumbrance+ Expenditures / Appropriation |
|---|--------------------|--------------------|--------------------------|--------------------|-------------------|-------------------|--|---|
| | | | Appropriation | Expenditures | Encumbrance | Balance | | |
| Office of the Chief Medical Examiner (OCME) | 63,895,000 | 66,233,024 | 66,233,024 | 59,665,999 | 659,146 | 5,907,879 | 91% | 91% |
| Traffic Control & Forensic Services Division (TC/FSD) | 162,195,000 | 162,195,000 | 46,703,201 | 23,347,118 | 1,741,673 | 21,614,409 | 15% | 54% |
| Police Facilities (PF) | 29,490,000 | 29,490,000 | 17,077,654 | 6,716,544 | 4,260,680 | 6,100,429 | 37% | 64% |
| Neighborhood Fire Station (NFS) | 83,555,000 | 81,216,976 | 23,793,505 | 10,143,466 | 2,025,922 | 11,624,117 | 15% | 51% |
| Emergency Firefighting Water System (EFWS) | 54,065,000 | 54,065,000 | 54,065,000 | 4,877,891 | 1,401,714 | 47,785,397 | 12% | 12% |
| Component Subtotal | 393,200,000 | 393,200,000 | 207,872,385 | 104,751,018 | 10,089,136 | 93,032,232 | 29% | 55% |
| Oversight/Accountability & Cost of Issuance | 6,800,000 | 6,800,000 | 2,392,617 | 1,881,237 | 0 | 511,380 | 28% | 79% |
| TOTAL | 400,000,000 | 400,000,000 | 210,265,000 | 106,632,255 | 10,089,136 | 93,543,612 | 29% | 56% |

A budget revision was executed in October 2017 in which the budget for the ESER 2014 Neighborhood Fire Stations was reduced by \$2,338,024 and the budget for Office of the Chief Medical Examiner increased by the same. As discussed earlier, the ESER 2010 Neighborhood Fire Stations budget increased by \$7,067,175 which included the \$2,338,024. This transaction shifted Neighborhood Fire Stations scope of work from ESER 2014 to ESER 2010 and it allowed to fund additional scope needed for the Office of the Chief Medical Examiner. The OCME revised budget and appropriation is \$66,233,024. The ESER 2014 Neighborhood Fire Stations revised budget is \$81,216,976.

The TCFSD budget is \$162,195,000 of which \$46,703,201 has been appropriated. Future bond sale(s) totaling \$115,491,799 would be needed to fully fund this component.

The Police Facilities budget is \$29,490,000 of which \$17,077,653 has been appropriated. Future bond sale(s) totaling \$12,412,347 would be needed to fully fund this component.

The NFS revised budget is \$81,216,976 of which \$23,793,507 has been appropriated. Future bond sale(s) totaling \$57,423,472 would be needed to fully fund this component. An additional \$1,500,000 from the general fund was appropriated to fund the construction of Station 48 at Treasure Island.

The Oversight, Accountability and Cost of Issuance budget is \$6,800,000 of which \$2,392,617 has been appropriated.

Expenditures and Encumbrances

Total expenditures and encumbrances through June 30, 2017 are \$106,632,255 and \$10,089,136 respectively. The combined totals represent 29% of the appropriation of and 56% of the budget.

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

Attachment 1 – Contact Information



San Francisco Public Works | City and County of San Francisco | Building Design and Construction | Project Management

30 Van Ness Avenue, Suite 4100 | San Francisco, CA 94102 | (415) 557-4700 | sfpublicworks.org

| Contact | Title | Component | Telephone No. | Cell No. | E-mail |
|---|--------------------|-------------------------------------|----------------|----------------|----------------------------|
| Charles Higuera | Program Manager | ESER 2010 & 2014 | (415) 557-4646 | (415) 307-7891 | charles.higuera@sfdpw.org |
| Magdalena Ryor | Project Manager | ESER 2010 NFS; ESER 2014 OCME & NFS | (415) 557-4659 | (415) 602-0930 | magdalena.ryor@sfdpw.org |
| Michael Rossetto | Project Manager | ESER 2014 TC/FSD | (415) 557-4773 | (415) 530-7368 | michael.rossetto@sfdpw.org |
| Lisa Zhuo | Project Manager | ESER 2014 PF | (415) 557-4699 | | lisa.zhuo@sfdpw.org |
| Sherry Katz | Project Manager | ESER 2010 & 2014 NFS Focused Scope | (415) 557-4718 | | sherry.katz@sfdpw.org |
| Sean O'Brien | Project Mgr. Asst. | ESER 2010 & 2014 NFS | (415) 557-4694 | | sean.obrien@sfdpw.org |
| Marisa Fernandez | Financial Analyst | ESER 2010 & 2014 | (415) 557-4653 | | marisa.fernandez@sfdpw.org |
| Kelly Griffin | Financial Analyst | ESER 2010 & 2014 NFS | (415) 557-4667 | | kelly.griffin@sfdpw.org |
| Jamin Barnes | Financial Analyst | ESER 2014 PF | (415) 557-4654 | | jamin.barnes@sfdpw.org |
| Whitney Simon | Financial Analyst | ESER 2014 OCME & TC/FSD | (415) 557-4673 | | whitney.simon@sfdpw.org |
| | | | | | |
| | | | | | |
| Public Utilities Commission | | | | | |
| 525 Golden Gate Avenue, 9th Floor San Francisco, CA 94102 | | | | | |
| Contact | Title | Component | Telephone No. | Cell No. | E-mail |
| David Myerson | Project Manager | ESER 2010 AWSS & ESER 2014 EFWS | (415) 934-5710 | (415) 500-5449 | dmyerson@sfdwater.org |

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Attachment 2 – Financial Summary

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

| Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures thru Fiscal Year End 2017 | | | | | | | | | |
|---|---|--------------------------|--------------------|-----------------------------------|--------------------|----------|--------------------|-------------------|------------------|
| Status | Project | Category | Baseline Budget | Revised Budget* | Appropriated | Reserve | Expended | FAMIS Encumbrance | Balance |
| PUBLIC SAFETY BUILDING | | | | | | | | | |
| CLOSE-OUT | PUBLIC SAFETY BUILDING (CESER1 PS: 7400A & 7410A) | Soft Costs | 44,066,886 | 43,784,273 | 43,784,273 | | 43,423,357 | 195,985 | 164,931 |
| | | Construction | 194,933,114 | 186,715,730 | 186,715,727 | | 185,211,844 | 73,600 | 1,430,283 |
| | | Project Contingency | 0 | 0 | 0 | | 0 | 0 | 0 |
| | | Subtotal | 239,000,000 | 230,500,000 ^(B) | 230,500,000 | 0 | 228,635,201 | 269,585 | 1,595,214 |
| NEIGHBORHOOD FIRE STATIONS | | | | | | | | | |
| COMPLETED | FOCUSED SCOPE Stations: 2, 6, 10, 12, 13, 15, 17, 18, 21, 25, 26, 28, 31, 32, 38, 40, 41, 42, 49 (CESER1 FS 31, 32, 34, 35, 36, 37, 39) | Soft Costs | 3,028,431 | 2,471,543 | 2,471,543 | | 2,471,543 | 0 | 0 |
| | | Construction | 9,190,145 | 8,245,672 | 8,245,672 | | 8,245,672 | 0 | 0 |
| | | Construction Contingency | 0 | 0 | 0 | | 0 | 0 | 0 |
| | | Subtotal | 12,218,577 | 10,717,215 | 10,717,215 | 0 | 10,717,215 | 0 | 0 |
| VARIOUS | ADDITIONAL FOCUSED SCOPE Exterior Envelope HQ, Misc. FS 49; Additional projects TBD | Soft Costs | | 3,065,058 | 191,871 | | 104,967 | 0 | 86,904 |
| | | Construction | | 0 | 0 | | 0 | 0 | 0 |
| | | Construction Contingency | | 0 | 0 | | 0 | 0 | 0 |
| | | Subtotal | 0 | 3,065,058 | 191,871 | 0 | 104,967 | 0 | 86,904 |
| DESIGN | ADDITIONAL FOCUSED SCOPE App Bay Doors | Soft Costs | | 2,338,025 | 0 | | 0 | 0 | 0 |
| | | Construction | | 0 | 0 | | 0 | 0 | 0 |
| | | Construction Contingency | | 0 | 0 | | 0 | 0 | 0 |
| | | Subtotal | 0 | 2,338,025 | 0 | 0 | 0 | 0 | 0 |
| COMPLETED | COMPREHENSIVE: STATION 44 (CESER1 FS38; Job Order 7438A) | Soft Costs | 263,255 | 380,159 | 380,159 | | 380,157 | 0 | 2 |
| | | Construction | 1,304,010 | 1,000,813 | 1,000,813 | | 1,000,813 | 0 | 0 |
| | | Construction Contingency | 0 | 0 | 0 | | 0 | 0 | 0 |
| | | Subtotal | 1,567,265 | 1,380,972 | 1,380,972 | 0 | 1,380,970 | 0 | 2 |
| CLOSE-OUT | COMPREHENSIVE: STATION 36 (CESER1 FS27; Job Order 7427A) | Soft Costs | 1,336,140 | 1,194,385 | 1,194,211 | | 1,170,656 | 8,423 | 15,132 |
| | | Construction | 3,161,311 | 4,592,915 | 4,592,915 | | 4,390,914 | 0 | 202,001 |
| | | Construction Contingency | 300,766 | 0 | 7,798 | | 0 | 0 | 7,798 |
| | | Subtotal | 4,798,217 | 5,787,300 | 5,794,924 | 0 | 5,561,570 | 8,423 | 224,931 |
| CONSTRUCTION | SEISMIC: STATION 5 (New 2-story) (CESER1 FS40; Job Order 7440A) | Soft Costs | 2,526,299 | 4,289,177 | 3,651,440 | | 2,941,464 | 181,138 | 528,838 |
| | | Construction | 10,313,908 | 15,118,056 | 16,809,909 | | 1,448,050 | 13,779,728 | 1,582,131 |
| | | Construction Contingency | 998,550 | 1,481,550 | 0 | | 0 | 0 | 0 |
| | | Subtotal | 13,838,757 | 20,888,783 | 20,461,349 | 0 | 4,389,514 | 13,960,866 | 2,110,969 |

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

| Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures thru Fiscal Year End 2017 | | | | | | | | | |
|---|--|--------------------------|---------------------------------|-------------------------------|----------------------------------|----------|-------------------|-------------------|-------------------|
| Status | Project | Category | Baseline Budget | Revised Budget* | Appropriated | Reserve | Expended | FAMIS Encumbrance | Balance |
| PLANNING | SEISMIC: STATION 9 UTILITY ISOLATION (CESER1 FS41; Job Order 7441A) | Soft Costs | 80,000 | 80,000 | 80,000 | | 0 | 0 | 80,000 |
| | | Construction | 96,000 | 96,000 | 96,000 | | | | 96,000 |
| | | Construction Contingency | 24,000 | 24,000 | 24,000 | | | | 24,000 |
| | | Subtotal | 200,000 | 200,000 | 200,000 | 0 | 0 | 0 | 200,000 |
| CONSTRUCTION | SEISMIC: STATION 16 (New 2-story) (CESER1 FS42; Job Order 7442A) | Soft Costs | 1,802,919 | 3,817,473 | 3,660,079 | | 2,878,299 | 56,019 | 725,761 |
| | | Construction | 6,421,770 | 9,493,297 | 10,083,037 | | 1,911,131 | 7,303,318 | 868,588 |
| | | Construction Contingency | 616,968 | 914,300 | 50,134 | | 0 | | 50,134 |
| | | Subtotal | 8,841,656 | 14,225,070 | 13,793,250 | 0 | 4,789,430 | 7,359,337 | 1,644,483 |
| CEQA UNDER ESER 2014 | NEW PIER FIRE BOAT HEADQUARTERS (CESER1 FS24; Job Order 7424A) | Soft Costs | 4,133,301 | 726,450 | 726,450 | | 258,820 | 430,392 | 37,238 |
| | | Construction | 4,903,309 | 0 | 0 | | 0 | | 0 |
| | | Project Contingency | 956,525 | 0 | 0 | | | | 0 |
| | | Subtotal | 9,993,136 ^(*) | 726,450 ^(*) | 726,450 | 0 | 258,820 | 430,392 | 37,238 |
| PLANNING | EQUIPMENT LOGISTICS CENTER (CESER1 FS26; Job Order 7425A) | Soft Costs | 589,000 | 17,680 | 8,179 | | 8,179 | 0 | 0 |
| | | Construction | | | | | | | 0 |
| | | Project Contingency | | | | | | | 0 |
| | | Subtotal | 589,000 | 17,680 | 8,179 | 0 | 8,179 | 0 | 0 |
| | PROGRAM-WIDE SOFT COSTS & PROGRAM RESERVE (CESER1 FS20; CESER1 FS30 Job Orders 7420A; 7429A, 7430A) | Soft Costs | 11,217,709 | 11,508,748 | 9,900,904 | | 9,726,403 | 128,822 | 45,678 |
| | | Construction | | | | | | | 0 |
| | | Project Contingency | 735,682 | 211,870 | | | | | 0 |
| | | Subtotal | 11,953,391 | 11,720,618 | 9,900,904 | 0 | 9,726,403 | 128,822 | 45,678 |
| | NEIGHBORHOOD FIRE STATIONS SUMMARY (CESER1 FS) | Soft Costs | 24,977,055 | 29,888,698 | 22,264,836 | | 19,940,488 | 804,794 | 1,519,554 |
| | | Construction | 35,390,454 | 38,546,753 | 40,828,346 | | 16,996,580 | 21,083,046 | 2,748,720 |
| | | Project Contingency | 3,632,490 | 2,631,720 | 81,932 | | 0 | 0 | 81,932 |
| | | GO Bond Proceeds | 0 | 0 | 7,892,065 | | 0 | 0 | 7,892,065 |
| | | Subtotal | 64,000,000 | 71,067,172 | 71,067,172 ^(*) | 0 | 36,937,068 | 21,887,840 | 12,242,271 |

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

| Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures thru Fiscal Year End 2017 | | | | | | | | | |
|---|--|---------------------|-------------------|-------------------|-------------------|----------|-------------------|-------------------|-------------------|
| Status | Project | Category | Baseline Budget | Revised Budget* | Appropriated | Reserve | Expended | FAMIS Encumbrance | Balance |
| AUXILIARY WATER SUPPLY SYSTEM (AWSS) | | | | | | | | | |
| PRE-BOND PLANNING AND DEVELOPMENT | | | | | | | | | |
| Program | Pre-Bond Planning and Development | Soft Costs | 1,316,964 | 1,316,964 | 1,316,964 | | 1,316,964 | 0 | 0 |
| | | Construction | 0 | 0 | 0 | | 0 | 0 | 0 |
| | | Project Contingency | | | | | | | 0 |
| | | Subtotal | 1,316,964 | 1,316,964 | 1,316,964 | 0 | 1,316,964 | 0 | 0 |
| AUXILIARY WATER SUPPLY SYSTEM (AWSS) | | | | | | | | | |
| Complete | Jones Street Tank | Soft Costs | 2,438,589 | 2,438,589 | 2,541,626 | | 2,529,257 | 0 | 12,369 |
| | | Construction | 3,964,463 | 3,964,463 | 3,879,109 | | 3,879,109 | 0 | 0 |
| | | Project Contingency | | | | | | | 0 |
| | | Subtotal | 6,403,052 | 6,403,052 | 6,420,735 | 0 | 6,408,366 | 0 | 12,369 |
| Complete | Ashbury Heights Tank | Soft Costs | 1,414,827 | 1,414,827 | 1,366,699 | | 1,366,699 | 0 | 0 |
| | | Construction | 3,316,960 | 3,316,960 | 3,280,662 | | 3,280,662 | 0 | 0 |
| | | Project Contingency | | 0 | | | | | 0 |
| | | Subtotal | 4,731,787 | 4,731,787 | 4,647,361 | 0 | 4,647,361 | 0 | 0 |
| Complete | Twin Peaks Reservoir | Soft Costs | 1,195,104 | 1,195,104 | 1,200,360 | 0 | 1,200,360 | 0 | 0 |
| | | Construction | 1,459,927 | 1,459,927 | 1,452,524 | | 1,452,524 | 0 | 0 |
| | | Project Contingency | | | | | | | 0 |
| | | Subtotal | 2,655,031 | 2,655,031 | 2,652,884 | 0 | 2,652,884 | 0 | 0 |
| Construction | Pump Station No. 2 | Soft Costs | 6,600,000 | 6,600,000 | 6,090,458 | 0 | 4,359,566 | 127,304 | 1,603,588 |
| | | Construction | 16,000,000 | 16,000,000 | 16,575,003 | | 89,001 | 269,690 | 16,216,312 |
| | | Project Contingency | | | | | | | 0 |
| | | Subtotal | 22,600,000 | 22,600,000 | 22,665,461 | 0 | 4,448,567 | 396,994 | 17,819,900 |
| Construction | Pump Station No. 1 | Soft Costs | 4,931,807 | 4,931,807 | 4,257,052 | 0 | 4,620,498 | -155,523 | -207,923 |
| | | Construction | 9,018,714 | 9,018,714 | 9,417,558 | | 8,744,579 | 659,136 | 13,843 |
| | | Project Contingency | | | | | | | 0 |
| | | Subtotal | 13,950,521 | 13,950,521 | 13,674,610 | 0 | 13,365,077 | 503,613 | -194,080 |

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

| Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures thru Fiscal Year End 2017 | | | | | | | | | |
|---|---|---------------------|--------------------|-------------------|-------------------|----------|-------------------|----------------------|---------------|
| Status | Project | Category | Baseline Budget | Revised Budget* | Appropriated | Reserve | Expended | FAMIS Encumbrance | Balance |
| Complete | FIREFIGHTING CISTERNS Contract No. 1 | Soft Costs | 508,057 | 508,057 | 508,057 | | 508,057 | 0 | 0 |
| | | Construction | 0 | 0 | 0 | | 0 | 0 | 0 |
| | | Project Contingency | | 0 | | | | | 0 |
| | | Subtotal | 508,057 | 508,057 | 508,057 | 0 | 508,057 | 0 | 0 |
| Closeout | New Cisterns | Soft Costs | 10,092,176 | 10,092,176 | 8,616,064 | 0 | 8,837,829 | -152,718 | -69,047 |
| | | Construction | 24,509,682 | 24,509,682 | 27,170,113 | | 24,474,128 | 2,600,258 | 95,727 |
| | | Project Contingency | | | | | | | 0 |
| | | Subtotal | 34,601,858 | 34,601,858 | 35,786,177 | 0 | 33,311,957 | 2,447,540 | 26,680 |
| Complete | Contract No. 3 | Soft Costs | 50,718 | 50,718 | 50,718 | | 50,718 | 0 | 0 |
| | | Construction | 0 | 0 | 0 | | 0 | 0 | 0 |
| | | Project Contingency | | | | | | | 0 |
| | | Subtotal | 50,718 | 50,718 | 50,718 | 0 | 50,718 | 0 | 0 |
| Complete | Contract No. 4 | Soft Costs | 124,191 | 124,191 | 124,191 | | 124,191 | 0 | 0 |
| | | Construction | 0 | 0 | 0 | | 0 | 0 | 0 |
| | | Project Contingency | | | | | | | 0 |
| | | Subtotal | 124,191 | 124,191 | 124,191 | 0 | 124,191 | 0 | 0 |

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

| Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures thru Fiscal Year End 2017 | | | | | | | | | |
|---|--|---------------------|--------------------|------------------------|--------------------|----------|-------------------|-------------------|-------------------|
| Status | Project | Category | Baseline Budget | Revised Budget* | Appropriated | Reserve | Expended | FAMIS Encumbrance | Balance |
| Complete | FIREFIGHTING PIPES AND TUNNELS AWSS Modernization CIP Study | Soft Costs | 2,739,289 | 2,739,289 | 2,739,289 | | 2,739,289 | 0 | 0 |
| | | Construction | 0 | 0 | 0 | | 0 | 0 | 0 |
| | | Project Contingency | 0 | 0 | | | | | 0 |
| | | Subtotal | 2,739,289 | 2,739,289 | 2,739,289 | 0 | 2,739,289 | 0 | 0 |
| Various | Pipes/Tunnels (Projects 11 thru 19) | Soft Costs | 8,011,693 | 8,011,693 | 6,988,282 | | 5,664,377 | 210,316 | 1,113,589 |
| | | Construction | 3,922,304 | 3,922,304 | 4,163,598 | | 1,155,878 | 26,838 | 2,980,882 |
| | | Project Contingency | | | | | | | 0 |
| | | Subtotal | 11,933,997 | 11,933,997 | 11,151,880 | 0 | 6,820,255 | 237,154 | 4,094,471 |
| Program | CUW AWS 01 | Soft Costs | 784,535 | 784,535 | 661,674 | 0 | 586,072 | 48,409 | 27,193 |
| | | Construction | 0 | 0 | 0 | | | | 0 |
| | | Project Contingency | | 0 | | | | | 0 |
| | | Subtotal | 784,535 | 784,535 | 661,674 | 0 | 586,072 | 48,409 | 27,193 |
| AUXILIARY WATER SUPPLY SYSTEM (AWSS) | | Soft Costs | 40,207,949 | 40,207,949 | 36,461,434 | 0 | 33,903,877 | 77,788 | 2,479,769 |
| | | Construction | 62,192,050 | 62,192,050 | 65,938,567 | | 43,075,881 | 3,555,922 | 19,306,764 |
| | | Project Contingency | 0 | 284,472 ⁽⁶⁾ | 284,472 | 0 | 0 | 0 | 284,472 |
| | | Subtotal | 102,400,000 | 102,684,472 | 102,684,473 | 0 | 76,979,758 | 3,633,710 | 22,071,005 |

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

| Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures thru Fiscal Year End 2017 | | | | | | | | | |
|---|---------|--|--------------------|--------------------|-------------------------------------|----------|--------------------------|-------------------|-------------------|
| Status | Project | Category | Baseline Budget | Revised Budget* | Appropriated | Reserve | Expended | FAMIS Encumbrance | Balance |
| SUMMARY | | | | | | | | | |
| | | Soft Costs | 109,251,890 | 113,880,920 | 102,510,542 | 0 | 97,267,722 | 1,078,567 | 4,164,253 |
| | | Construction | 292,515,618 | 287,454,533 | 293,482,640 | 0 | 245,284,305 | 24,712,568 | 31,377,832 |
| | | Contingency & Proceeds | 3,632,490 | 2,916,192 | 8,258,469 | 0 | 0 | 0 | 366,404 |
| | | Subtotal | 405,400,000 | 404,251,646 | 404,251,651 | 0 | 342,552,027 | 25,791,135 | 35,908,489 |
| | | PSB Savings (pending close out) | | 8,500,000 | 8,500,000 ⁽⁵⁾ | | 0 | 0 | 8,500,000 |
| | | BOND OVERSIGHT/ACCOUNTABILITY | 1,216,200 | 1,238,955 | 1,238,955 | | 685,562 | 0 | 553,393 |
| | | BOND COST OF ISSUANCE | 5,683,800 | 2,767,951 | 2,767,951 ⁽⁶⁾ | | 2,627,709 ⁽²⁾ | 0 | 140,242 |
| TOTAL ESER 2010 (CESER1) | | | 412,300,000 | 416,758,553 | 416,758,553 ^(3,4) | 0 | 345,865,294 | 25,791,135 | 45,102,124 |

As of Fiscal Year End 2017, actual expenditures are \$419,512,630. The variances from the report are as follows:

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

(a) less \$76,374,756 for actuals per FAMIS Project Structure CUWAWWS AW as of FYE 2017.

(b) less \$76,505 for actuals Controller's Audit Fund (CUW AWS 081C4) and CGOBOC (CUW AWS 081GO) as of FYE 2017.

(2) Cost of Issuance

| | Premium | | Underwriter's Discount | | | |
|------------------------|------------|---|------------------------|------------|--|------------|
| (a) First Bond Sale | 5,118,923 | + | (211,953) = | 4,906,970 | | 4,906,970 |
| (b) Second Bond Sale | 16,898,267 | + | (683,820) = | 16,214,447 | | 16,214,447 |
| (c) Third Bond Sale | 6,213,547 | + | (65,051) = | 6,148,496 | | 6,148,496 |
| (d) Fourth Bond Sale | 2,606,056 | + | (77,247) = | 2,528,809 | | 2,528,809 |
| (e) Fifth Bond Sale | 5,461,975 | + | (202,062) = | 5,259,913 | | 5,259,913 |
| (f) Sixth Bond Sale | 1,834,328 | + | (145,491) = | 1,688,837 | | 1,688,837 |
| Total Cost of Issuance | 38,133,096 | | (1,385,624) | | | |

(3) Ordinance 60-15 Appropriation Developer Contribution and Reimbursement for PSB

(4) PSB Furniture Fixtures and Equipment

(5) Savings from PSB, pending financial close out (expected by 6/30/2018)

(6) Pending interest earned reallocation into the respective ESER components, totalling \$4.45M

Total (CESER1)

\$465,571,829

\$419,512,627

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

| Earthquake Safety & Emergency Response Bond Program ESER 2014 Program Budget Report - Expenditures Thru Fiscal Year End 2017 | | | | | | | | | |
|---|---|------------------------------|--------------------|--------------------|-------------------|----------|-------------------|----------------------|-------------------|
| Status | Project | Category | Baseline Budget | Revised Budget | Appropriated | Reserve | Expended | FAMIS Encumbrance | Balance |
| CLOSEOUT | *OFFICE OF THE CHIEF MEDICAL EXAMINER | | | | | | | | |
| | | Soft Costs | 17,217,350 | 16,508,898 | 16,927,606 | | 14,709,742 | 630,146 | 1,587,718 |
| | | Construction | 54,115,864 | 58,669,546 | 58,250,838 | | 45,781,000 | 1,055,733 | 11,414,105 |
| | | Construction Contingency | 1,507,206 | 0 | 0 | | 0 | 0 | 0 |
| | | Subtotal | 72,840,420 | 75,178,444 | 75,178,444 | 0 | 60,490,742 | 1,685,879 | 13,001,823 |
| DESIGN | TRAFFIC COMPANY & FORENSIC SERVICES DIVISION | | | | | | | | |
| | | Soft Costs | 51,575,648 | 45,195,000 | 44,556,700 | | 23,306,667 | 1,741,673 | 19,508,360 |
| | | Construction | 110,619,352 | 110,700,000 | 2,146,501 | | 40,451 | 0 | 2,106,050 |
| | | Construction Contingency | 0 | 6,300,000 | 0 | | 0 | 0 | 0 |
| | | Subtotal | 162,195,000 | 162,195,000 | 46,703,201 | 0 | 23,347,118 | 1,741,673 | 21,614,410 |
| VARIOUS | POLICE FACILITIES | | | | | | | | |
| | Focused Scope Subtotal | | | | | | | | |
| | | Soft Costs | 3,634,955 | 5,548,669 | 4,320,079 | | 2,543,008 | 93,654 | 1,683,417 |
| | | Construction | 13,462,798 | 14,305,980 | 6,024,505 | | 1,467,054 | 4,096,891 | 581,911 |
| | | Construction Contingency | 2,019,420 | 1,968,561 | 211,854 | | 0 | 0 | 90,504 |
| | | Subtotal | 19,117,173 | 21,823,210 | 10,556,439 | 0 | 4,010,062 | 4,190,545 | 2,355,832 |
| VARIOUS | Special Projects Subtotal | | | | | | | | |
| | | Soft Costs | 0 | 125,984 | 125,984 | | 108,683 | 17,302 | 0 |
| | | Construction | 0 | 96,120 | 97,592 | | 97,317 | 0 | 276 |
| | | Construction Contingency | 0 | 0 | 0 | | 0 | 0 | 0 |
| | | Subtotal | 0 | 222,104 | 223,576 | 0 | 205,999 | 17,302 | 276 |
| | Police Facilities Program Wide | Soft Costs | 5,832,658 | 4,724,327 | 2,933,692 | | 2,500,486 | 52,833 | 380,373 |
| | PF Reserve | Program Reserve | 4,540,169 | 2,720,359 | - | | - | - | - |
| | | Unappropriated Bond Proceeds | - | - | 3,363,944 | | - | - | 3,363,944 |
| | POLICE FACILITIES SUMMARY | | | | | | | | |
| | | Soft Costs | 9,467,613 | 10,398,980 | 7,379,756 | | 5,152,177 | 163,789 | 2,063,790 |
| | | Construction | 13,462,798 | 14,402,100 | 6,122,098 | | 1,564,370 | 4,096,891 | 582,186 |
| | | Construction Contingency | 6,559,589 | 4,688,920 | 3,575,798 | | - | - | 3,454,448 |
| | | Subtotal | 29,490,000 | 29,490,000 | 17,077,651 | 0 | 6,716,547 | 4,260,680 | 6,100,425 |

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

| Earthquake Safety & Emergency Response Bond Program ESER 2014 Program Budget Report - Expenditures Thru Fiscal Year End 2017 | | | | | | | | | |
|---|---|--------------------------|-------------------|-------------------|------------------|----------|------------------|----------------------|------------------|
| Status | Project | Category | Baseline Budget | Revised Budget | Appropriated | Reserve | Expended | FAMIS Encumbrance | Balance |
| | NEIGHBORHOOD FIRE STATIONS | | | | | | | | |
| | SEISMIC IMPROVEMENTS | | | | | | | | |
| DESIGN | *9635A NFS 35 Fire Boat | | | | | | | | |
| | | Soft Costs | 15,139,310 | 5,042,143 | 2,089,580 | | 1,302,697 | 478,522 | 308,361 |
| | | Construction | 22,708,967 | 32,307,500 | 2,400,000 | | 0 | 0 | 2,400,000 |
| | | Construction Contingency | 0 | 2,600,000 | 0 | | 0 | 0 | 0 |
| | | Subtotal | 37,848,277 | 39,949,643 | 4,489,580 | 0 | 1,302,697 | 478,522 | 2,708,361 |
| CONSTRUCTION | *9535A NFS Pier 26 Fire Boat Berthing | | | | | | | | |
| | | Soft Costs | 250,000 | 491,864 | 590,700 | | 422,680 | 28,929 | 139,091 |
| | | Construction | 1,850,000 | 2,076,665 | 2,110,616 | | 1,786,926 | 323,690 | 0 |
| | | Construction Contingency | 0 | 483,835 | 45,934 | | 0 | 0 | 45,934 |
| | | Subtotal | 2,100,000 | 3,052,364 | 2,747,250 | 0 | 2,209,606 | 352,619 | 185,025 |
| COMPLETE | *7848A NFS 48 Treasure Island | | | | | | | | |
| | | Soft Costs | 371,545 | 302,718 | 302,718 | | 302,718 | 0 | 0 |
| | | Construction | 2,628,455 | 2,557,478 | 2,557,478 | | 2,557,478 | 0 | 0 |
| | | Construction Contingency | 0 | 0 | 0 | | 0 | 0 | 0 |
| | | Subtotal | 3,000,000 | 2,860,195 | 2,860,195 | 0 | 2,860,195 | 0 | 0 |
| | 9660A Hose Tower Removal & Roofing (Moved to Public Health & Safety Bond) | | | | | | | | |
| | | Soft Costs | 384,996 | 0 | 0 | | 0 | 0 | 0 |
| | | Construction | 1,099,989 | 0 | 0 | | 0 | 0 | 0 |
| | | Construction Contingency | 0 | 0 | 0 | | 0 | 0 | 0 |
| | | Subtotal | 1,484,985 | 0 | 0 | 0 | 0 | 0 | 0 |
| VARIOUS | COMPREHENSIVE RENOVATIONS | | | | | | | | |
| | 9663A NFS 3 | | | | | | | | |
| | | Soft Costs | 2,074,078 | 994,500 | 726,268 | | 163,355 | 81,423 | 481,489 |
| | | Construction | 5,152,976 | 4,005,000 | 0 | | 0 | 0 | 0 |
| | | Construction Contingency | 772,946 | 400,500 | 0 | | 0 | 0 | 0 |
| | | Subtotal | 8,000,000 | 5,400,000 | 726,268 | 0 | 163,355 | 81,423 | 481,489 |
| | 9607A NFS 7 | | | | | | | | |
| | | Soft Costs | 538,946 | 466,000 | 329,615 | | 161,081 | 6,250 | 162,284 |
| | | Construction | 1,399,847 | 1,940,000 | 0 | | 0 | 0 | 0 |
| | | Construction Contingency | 139,985 | 194,000 | 0 | | 0 | 0 | 0 |
| | | Subtotal | 2,078,778 | 2,600,000 | 329,615 | 0 | 161,081 | 6,250 | 162,284 |

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

| Earthquake Safety & Emergency Response Bond Program ESER 2014 Program Budget Report - Expenditures Thru Fiscal Year End 2017 | | | | | | | | | |
|---|---|------------------------------|-------------------|-------------------|-------------------|----------|-------------------|----------------------|-------------------|
| Status | Project | Category | Baseline Budget | Revised Budget | Appropriated | Reserve | Expended | FAMIS Encumbrance | Balance |
| | NEIGHBORHOOD FIRE STATIONS | | | | | | | | |
| | FOCUSED SCOPE PROJECTS | | | | | | | | |
| VARIOUS | Focused Scope Projects Subtotal | | | | | | | | |
| | | Soft Costs | 5,115,777 | 6,067,333 | 2,525,145 | | 1,564,495 | 72,062 | 888,588 |
| | | Construction | 15,406,358 | 14,543,994 | 5,627,608 | | 2,750,644 | 1,819,647 | 1,057,317 |
| | | Focused Scope Reserve | 182,640 | 1,452,952 | 0 | | 0 | 0 | 0 |
| | | Subtotal | 20,704,776 | 22,064,279 | 8,152,753 | 0 | 4,315,139 | 1,891,709 | 1,945,904 |
| | STUDIES, PROGRAM MANAGEMENT & REQUIRED COSTS | | | | | | | | |
| | | Soft Costs | 10,773,502 | 10,693,981 | 4,956,542 | 0 | 4,362,047 | 46,540 | 547,955 |
| | NFS Reserve | Program Reserve | 6,301,511 | 3,990,343 | 0 | | 0 | 0 | 0 |
| | | Unappropriated Bond Proceeds | 0 | 0 | 8,925,132 | | 0 | 0 | 8,925,132 |
| | *NEIGHBORHOOD FIRE STATIONS SUMMARY | | | | | | | | |
| | | Soft Costs | 34,648,154 | 24,058,539 | 11,520,566 | | 8,279,073 | 713,725 | 2,527,768 |
| | | Construction | 50,246,592 | 57,430,637 | 12,695,702 | | 7,095,048 | 2,143,337 | 3,457,317 |
| | | Contingency | 7,397,082 | 9,121,631 | 8,971,066 | | 0 | 0 | 8,971,066 |
| | | Subtotal | 92,291,829 | 90,610,806 | 33,187,334 | 0 | 15,374,122 | 2,857,062 | 14,956,150 |

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Earthquake Safety & Emergency Response Bond Program ESER 2014 Program Budget Report - Expenditures thru Fiscal Year End 2017

| Status | Project | Category | Baseline Budget | Appropriated | Reserve | Expended | FAMIS Encumbrance | Balance |
|---|--|---------------------|------------------|------------------|----------|------------------|----------------------|------------------|
| EMERGENCY FIREFIGHTING WATER SYSTEM | | | | | | | | |
| PRE-BOND PLANNING AND DEVELOPMENT | | | | | | | | |
| Program | Pre-Bond Planning and Development | | | | | | | |
| | | Soft Costs | 0 | 0 | | 0 | 0 | 0 |
| | | Construction | 0 | 0 | | 0 | 0 | 0 |
| | | Project Contingency | | | | | | 0 |
| | | Subtotal | 0 | 0 | 0 | 0 | 0 | 0 |
| AUXILIARY WATER SUPPLY SYSTEM (AWSS) | | | | | | | | |
| Complete | Twin Peaks Reservoir - ESER 2014 | | | | | | | |
| | CUWAW2AW23 | Soft Costs | | 59,786 | 0 | 0 | 0 | 59,786 |
| | | Construction | 643,518 | 682,000 | 0 | 643,518 | 0 | 38,482 |
| | | Project Contingency | | | | | | 0 |
| | | Subtotal | 643,518 | 741,786 | 0 | 643,518 | 0 | 98,268 |
| Construction | Pumping Station 2 (ESER 2014 Partial Funding) | | | | | | | |
| | CUWAW2AW24 | Soft Costs | 1,000,000 | 1,000,000 | | 0 | 0 | 1,000,000 |
| | | Construction | 4,000,000 | 1,000,000 | | 0 | 0 | 1,000,000 |
| | | Project Contingency | | | | | | 0 |
| | | Subtotal | 5,000,000 | 2,000,000 | 0 | 0 | 0 | 2,000,000 |
| Complete | ESER 2014 Assessments | | | | | | | |
| | CUWAW2AW30 | Soft Costs | 1,185,004 | 1,199,551 | 0 | 1,165,249 | 0 | 34,302 |
| | | Construction | | 30,000 | 0 | 18,462 | 1,752 | 9,786 |
| | | Project Contingency | | | | | | 0 |
| | | Subtotal | 1,185,004 | 1,229,551 | 0 | 1,183,711 | 1,752 | 44,088 |

Earthquake Safety and Emergency Response Bond Program
(ESER 2010 & 2014)

**Earthquake Safety & Emergency Response Bond Program ESER 2014
Program Budget Report - Expenditures thru Fiscal Year End 2017**

| Status | Project | Category | Baseline Budget | Appropriated | Reserve | Expended | FAMIS Encumbrance | Balance |
|---|---------------------------------------|---------------------|-------------------|-------------------|------------------|------------------|----------------------|-------------------|
| Various | Pipelines (Projects 29; 31-44) | Soft Costs | 12,077,425 | 14,098,416 | | 2,345,085 | 488,700 | 11,264,632 |
| | | Construction | 32,688,947 | 3,530,000 | | 446,072 | 855,076 | 2,228,852 |
| | | Project Contingency | | | | | 0 | 0 |
| | | Subtotal | 44,766,372 | 17,628,416 | 0 | 2,791,157 | 1,343,776 | 13,493,484 |
| Program | CUWAW200 | Soft Costs | 2,470,106 | 32,465,247 | 0 | 259,504 | 56,186 | 32,149,557 |
| | | Construction | | 0 | 0 | | | 0 |
| | | Project Contingency | | 0 | | | | 0 |
| | | Subtotal | 2,470,106 | 32,465,247 | 0 | 259,504 | 56,186 | 32,149,557 |
| AUXILIARY WATER SUPPLY SYSTEM (AWSS) | Soft Costs | 16,732,535 | 48,823,000 | 0 | 3,769,838 | 544,885 | 44,508,276 | |
| | Construction | 37,332,465 | 5,242,000 | 0 | 1,108,052 | 856,828 | 3,277,120 | |
| | Project Contingency | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Subtotal | 54,065,000 | 54,065,000 | 0 | 4,877,890 | 1,401,713 | 47,785,396 | |

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

| Earthquake Safety & Emergency Response Bond Program ESER 2014 Program Budget Report - Expenditures Thru Fiscal Year End 2017 | | | | | | | | | |
|---|---------|--|--------------------|--------------------|--------------------|----------|--------------------|----------------------|--------------------|
| Status | Project | Category | Baseline Budget | Revised Budget | Appropriated | Reserve | Expended | FAMIS Encumbrance | Balance |
| ESER 2014 SUMMARY | | | | | | | | | |
| | | Soft Costs | 129,641,300 | 112,893,951 | 129,207,628 | 0 | 55,217,497 | 3,794,218 | 70,195,912 |
| | | Construction | 265,777,072 | 278,534,748 | 84,457,138 | 0 | 55,588,922 | 8,152,789 | 20,836,778 |
| | | Contingency | 15,463,876 | 20,110,546 | 12,546,864 | 0 | 0 | 0 | 12,425,514 |
| | | Subtotal | 410,882,248 | 411,539,245 | 226,211,630 | 0 | 110,806,419 | 11,947,007 | 103,458,204 |
| | | BOND OVERSIGHT/ACCOUNTABILITY/COI | 6,800,000 | 6,800,000 | 2,392,617 | - | 1,881,237 | - | 511,380 |
| | | SUBTOTAL | 417,682,248 | 418,339,245 | 228,604,248 | - | 112,687,656 | 11,947,007 | 103,969,584 |

* Other funding sources include:

(a) OCME (General Funds)

| | | | | | | |
|--|-------------|-------------|-------------|-----------|-------------|-------------|
| | (8,945,420) | (8,945,420) | (8,945,420) | (824,742) | (1,026,733) | (7,093,944) |
|--|-------------|-------------|-------------|-----------|-------------|-------------|

(b) NFS (General Funds, 1992 Fire Facility Funds, CIP Funds)

| | | | | | | |
|--|-------------|-------------|-------------|-------------|-----------|-------------|
| | (8,736,829) | (9,393,829) | (9,393,829) | (5,230,648) | (831,140) | (3,332,041) |
|--|-------------|-------------|-------------|-------------|-----------|-------------|

TOTAL (CESER2)

| | | | | | | |
|--|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|
| | 400,000,000 | 400,000,000 | 210,264,999 | 106,632,265 | 10,089,134 | 93,543,599 |
|--|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|

As of Fiscal Year End 2017, the FAMIS Fiscal Month 13 2017 (FYE 2017), the budget is \$225,626,074 and the actual expenditures are \$171,308,024. The variances are as follows:

(1) Bond Sale Premiums

| | | | | | | |
|--|------------|------------|---|---|---|---|
| | 15,361,072 | 15,361,072 | - | - | - | - |
|--|------------|------------|---|---|---|---|

(2) The transfer out to PUC EFWS shows as actual, Subobj 0935W (OTO TO 5W-WATER)

| | | | | | | |
|--|---|------------|---|---|---|---|
| | - | 54,227,613 | - | - | - | - |
|--|---|------------|---|---|---|---|

(a) Less PUC actuals per FAMIS Project Structure CUWAW2 AW

| | | | | | | |
|--|---|---|-------------|-------------|--------------|---|
| | - | - | (4,877,891) | (1,401,714) | (47,785,397) | - |
|--|---|---|-------------|-------------|--------------|---|

(b) Less actuals for Controller's Audit Fund and CGOBOC (CUWAW2; 081C4, 081GO)

| | | | | | | |
|--|---|---|----------|---|---|-----------|
| | - | - | (35,022) | - | - | (127,591) |
|--|---|---|----------|---|---|-----------|

(3) Due to additional allocation of \$.3M under ESER 2010 NFS, an equivalent amount is re-allocated from ESER 2014 NFS to fund OCME

| | | | | | | |
|--|---|---|---|---|---|---|
| | - | - | - | - | - | - |
|--|---|---|---|---|---|---|

PROGRAM TOTAL (CESER2)

| | | | | | | |
|--|--------------------|--------------------|--------------------|--------------------|------------------|-------------------|
| | 800,000,000 | 800,000,000 | 225,626,071 | 171,308,037 | 8,687,419 | 45,630,611 |
|--|--------------------|--------------------|--------------------|--------------------|------------------|-------------------|

Earthquake Safety and Emergency Response Bond Program (ESER 2010 & 2014)

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 | | | | FY 19/20 | | | | FY 20/21 | | | |
|--|-------------|----------|----------|------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|----------|----------|---------|---------|
| | | | | 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. | 1st Qtr. | 2nd Qtr. | 3rd Qtr. | 4th Qtr. | | | | | | |
| | | | | 9/30/10 | 12/31/10 | 3/31/11 | 6/30/11 | 9/30/11 | 12/31/11 | 3/31/12 | 6/30/12 | 9/30/12 | 12/31/12 | 3/31/13 | 6/30/13 | 9/30/13 | 12/31/13 | 3/31/14 | 6/30/14 | 9/30/14 | 12/31/14 | 3/31/15 | 6/30/15 | 9/30/15 | 12/31/15 | 3/31/16 | 6/30/16 | 9/30/16 | 12/31/16 | 3/31/17 | 6/30/17 | 9/30/17 | 12/31/17 | 3/31/18 | 6/30/18 | 9/30/18 | 12/31/18 | 3/31/19 | 6/30/19 | 9/30/19 | 12/31/19 | 3/31/20 | 6/30/20 | 9/30/20 | 12/31/20 | 3/31/21 | 6/30/21 |
| PUBLIC UTILITIES COMMISSION / AUXILIARY WATER SUPPLY SYSTEM (AWSS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRE-BOND PLANNING AND DEVELOPMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 1,316,964 | 07/01/09 | 12/31/10 | 1,316,963 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 1,316,964 | 07/01/09 | 12/31/10 | 1,316,964 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 1,316,964 | 07/01/09 | 12/31/10 | 1,316,964 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AWSS JONES STREET TANK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 6,403,052 | 04/01/11 | 05/31/17 | 6,403,052 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 6,403,052 | 04/01/11 | 05/31/17 | 6,403,052 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 6,403,052 | 04/01/11 | 05/31/17 | 6,403,052 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AWSS ASHBURY HEIGHTS TANK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 4,731,787 | 04/01/11 | 05/31/17 | 4,731,787 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 4,731,787 | 04/01/11 | 05/31/17 | 4,731,787 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 4,731,787 | 04/01/11 | 05/31/17 | 4,731,787 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AWSS TWIN PEAKS RESERVOIR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 2,655,031 | 04/01/11 | 05/31/17 | 2,655,031 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 2,655,031 | 04/01/11 | 05/31/17 | 2,655,031 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 2,655,031 | 04/01/11 | 05/31/17 | 2,655,031 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AWSS PUMP STATION NO. 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 22,600,000 | 04/01/11 | 12/31/20 | 22,600,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 22,600,000 | 04/01/11 | 12/31/20 | 22,600,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 22,600,000 | 04/01/11 | 12/31/20 | 22,600,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AWSS PUMP STATION NO. 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 13,950,520 | 04/01/11 | 12/31/18 | 13,950,520 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 13,950,520 | 04/01/11 | 12/31/18 | 13,950,520 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 13,950,520 | 04/01/11 | 12/31/18 | 13,950,520 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIREFIGHTING CISTERNS - NEW CISTERNS (Projects 6-9) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 35,284,824 | 04/01/11 | 03/30/18 | 35,284,824 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 35,284,824 | 04/01/11 | 03/30/18 | 35,284,824 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 35,284,824 | 04/01/11 | 03/30/18 | 35,284,824 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIREFIGHTING PIPES AND TUNNELS - AWSS MODERNIZATION CIP STUDY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 2,739,289 | 04/01/11 | 06/30/14 | 2,739,289 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 2,739,289 | 04/01/11 | 06/30/14 | 2,739,289 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 2,739,289 | 04/01/11 | 06/30/14 | 2,739,289 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FIREFIGHTING PIPES AND TUNNELS (Projects 11-20) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 11,933,997 | 04/01/11 | 06/04/20 | 11,933,997 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 11,933,997 | 04/01/11 | 06/04/20 | 11,933,997 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 11,933,997 | 04/01/11 | 06/04/20 | 11,933,997 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CUW AWS 01 (Administration) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 784,535 | 04/01/11 | 12/31/20 | 784,535 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 784,535 | 04/01/11 | 12/31/20 | 784,535 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 784,535 | 04/01/11 | 12/31/20 | 784,535 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUXILIARY WATER SUPPLY SYSTEM (AWSS) SUB-TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 102,400,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 102,400,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 102,400,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

EARTHQUAKE SAFETY EMERGENCY RESPONSE BOND PROGRAM

Timeline and Schedule

| Description | BUDGET | Schedule | | FY 14/15 | | | | FY 15/16 | | | | FY 16/17 | | | | FY 17/18 | | | | FY 18/19 | | | | FY 19/20 | | | | FY 20/21 | | | |
|---|------------|----------|----------|--------------|----------|---------------|----------|--------------|----------|---------------|----------|--------------|----------|---------------|----------|--------------|----------|---------------|----------|--------------|----------|---------------|----------|--------------|----------|---------------|----------|--------------|----------|---------------|----------|
| | | | | July 1, 2014 | | June 30, 2015 | | July 1, 2015 | | June 30, 2016 | | July 1, 2016 | | June 30, 2017 | | July 1, 2017 | | June 30, 2018 | | July 1, 2018 | | June 30, 2019 | | July 1, 2019 | | June 30, 2019 | | July 1, 2020 | | June 30, 2021 | |
| | | | | 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. |
| PUBLIC UTILITIES COMMISSION / AUXILIARY WATER SUPPLY SYSTEM (AWSS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AWSS TWIN PEAKS RESERVOIR - ESER 2014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 643,518 | 11/06/14 | 05/31/17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 643,518 | 11/06/14 | 05/31/17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 643,518 | 11/06/14 | 05/31/17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AWSS PUMP STATION NO. 2 - ESER 2014 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 5,000,000 | 05/01/17 | 12/31/20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 5,000,000 | 05/01/17 | 12/31/20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 5,000,000 | 05/01/17 | 12/31/20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AWSS ESER 2014 ASSESSMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 1,185,004 | 11/13/14 | 01/31/17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 1,185,004 | 11/13/14 | 01/31/17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 1,185,004 | 11/13/14 | 01/31/17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PIPELINES (Multiple Projects) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 44,766,372 | 02/23/15 | 12/31/20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 44,766,372 | 02/23/15 | 12/31/20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 44,766,372 | 02/23/15 | 12/31/20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CUW AW 200 (Administration) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 2,470,106 | 11/06/14 | 12/31/20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 2,470,106 | 11/06/14 | 12/31/20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 2,470,106 | 11/06/14 | 12/31/20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUXILIARY WATER SUPPLY SYSTEM (AWSS) SUB-TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Original/Baseline Budget | 54,065,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Approved | 54,065,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Current/Projected | 54,065,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |