



# Earthquake Safety and Emergency Response Bond Program 2010 & 2014

## Quarterly Status Report March 2018

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OCME SE Building View from Jennings Street



Fire Station 5 SE View from Webster Street



Fire Station 16 NE View from Greenwich Street

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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# Earthquake Safety and Emergency Response Bond Program

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(ESER 2010 & 2014)

## 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:** Structural steel complete; interior metal stud framing complete; concrete slab placed at roof level; utility rough-in substantially complete; roofing and building envelope delayed due to weather conditions. Final completion date has been revised to September 11, 2018 due to the multiple reasons such as late submittals' submission, insufficient staffing and equipment to conduct demolition of the old building, unforeseen conditions, scheduling problems, non-conformance work requiring re-work, and some design errors resulting in change orders.

**Station 5:** Structural Steel Completion Ceremony was held on January 26<sup>th</sup>. Concrete floor slabs placed at 2nd floor, 3rd floor, and roof level; placement of slab-on-grade delayed due to weather conditions; installed underground utilities; began utility rough-in at 2nd and 3rd floors Final completion date has been revised to December 28, 2018 due to the additional work caused by unforeseen site conditions and other construction issues.

#### Comprehensive Projects: Station 36

**Station 36:** Project was successfully completed and SFFD reoccupied the station on November 19, 2014. Substantial Completion was issued in December 2015. 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

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identified post-occupancy, and 3) rebuilding the entry driveway/apron. Work items 1) and 3) are complete. Item 2) HVAC work will start in May 2018 and be complete by the end of June 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 the NFS a share of savings on the 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, augmenting the funding in this 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 budgeted for Emergency Generators, FS 31 leak improvements, Fire Department Headquarters exterior painting, and an additional focused scope project contingency of 5%.

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

Construction started for Ashbury Bypass Pipeline and Mariposa TFB Pipeline contracts.

## **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 March 31, 2018 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 assume 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.

Public Works revised budgets for the NFS and OCME components. The ESER 2010 Neighborhood Fire Stations increased by \$1,300,000 from \$71,067,175 to \$72,367,175 funded by the savings from the Public Safety Building. The same amount is deducted from the ESER 2014 Neighborhood Fire Stations in order to fund the additional need for the Office of the Chief Medical Examiner. The breakdown of the proceeds received to-date is discussed in the [Budget, Funding and Expenditures](#) section of this report.

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## 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

Final Certificate of Completion and Occupancy was received on March 30, 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 schedules, and other 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 various City representatives. The Site Permit Application was submitted to DBI on December 21, 2017.

The project is obliged to LEED Gold certification.

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## 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 approved the budget revision #1 in October 2017.

Stations for each sub-component of work (Focused Scope, Comprehensive, and Seismic) have been identified. The Focused Scope projects are organized into nine (9) categories: Apparatus Bay Doors, Roofing, Showers, Windows, Exterior Envelope, Mechanical, Emergency Generator Replacements, Sidewalks, and Security Access.

**New Fireboat Station 35 at Pier 22 ½** – Swinerton-Power, JV submitted executed Contract Agreement on October 2<sup>nd</sup>. NTP was issued on October 6<sup>th</sup>, with a start date of October 10<sup>th</sup>. Contract duration is 1,086 consecutive calendar days to Substantial Completion. Final Completion date is estimated on November 20, 2020. Programming and Concept Phase was completed on January 25, 2018. Design-Build Team was authorized to proceed with the schematic design phase on January 26, 2018. The Team is in process of obtaining permits from various City agencies. CEQA Determination is expected to be issued by November 2018.

**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 14<sup>th</sup>, 2017, except for fencing and electrical work. The fencing design was approved by SF Port and will be installed in June 2018. Temporary electrical work started on March 23 and it will be completed in the first week of April. Permanent electrical work and stairs' modifications will start in April and are estimated to be completed in June 2018.

## Police Facilities

**ADA Package 1:** Construction Completed.

**ADA Package 2:** Construction Completed.

**Northern, Richmond, and Taraval Police Station Renovation:** Project is under construction. Construction is delayed by approximately 2 months, the project is forecasted to be completed in July 2018.

**Ingleside and Park Station Renovation:** The project is under construction.

**New Firearms Simulator Training Facility:** The project is under construction and experienced a 2 months delay due to weather, material availability, and additional scopes. Construction will be completed in April 2018.

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**Police Academy Renovation Project:** The project has been approved by DBI, final bid documents will be completed in April 2018.

**MEP Package 2:** The project was advertised in January 2018; a total of 4 bids were received in February 2018.

**Mission Station Renovation:** The project completed 65% design documents in March 2018.

## Emergency Firefighting Water System

Construction continued for Pumping Station 1 (WD-2686), Pumping Station 2 (WD-2687) and Irving Street Pipeline contracts.

## 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 March 31, 2018 due to conversion issues with the City's new financial system. 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.

Public Works revised budgets for the NFS and OCME components. The ESER 2014 Neighborhood Fire Stations decreased by \$1,300,000 from \$81,216,967 to \$79,916,976. The same amount is increased in the ESER 2010 Neighborhood Fire Stations, in order to fund the additional need for the Office of the Chief Medical Examiner. The OCME increased by \$1,300,000 from \$66,233,024 to \$67,533,024. 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 website at [www.sfearthquakesafety.org](http://www.sfearthquakesafety.org).



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## 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.

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

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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:**

- 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.

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## 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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## Seismic Projects: Stations 16 and 5

### Station 16:

Design services: Public Works BDC/IDC

Contractor: Roebuck Construction

Percentage Complete (as of 3/31/2018): 56%

Schedule: Revised Substantial Completion date is July 16, 2018. Revised Final Completion date is September 11, 2018.

### Construction Activities:

#### January

- Installed structural steel framing at 2nd floor and roof level.
- Began MEP rough-in at ground level.
- Began installation of interior metal stud framing at 2nd floor.

#### February

- Placed concrete deck at roof level on February 1.
- Continued MEP, fire alarm, and fire sprinkler rough-in at ground level.
- Continued installation of interior and exterior metal stud framing at 2nd floor.
- Placed concrete HVAC equipment and miscellaneous curbs at 2nd floor and roof level on February 15.
- Installed main electrical switchgear in apparatus bay.

#### March

- Began MEP, fire alarm, fire sprinkler, and low-voltage equipment rough-in at mezzanine and 2nd floor.
- Began installation of roofing system.
- Installed exterior metal stud framing and wall sheathing at roof level.

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Fire Station 16 – View of North Elevation from Greenwich Street (3.26.18)

## **Station 5:**

Design services: Public Works BDC/IDC and consultant GHD

Contractor: Alten Construction

Percentage complete (as of 3/31/2018): 38%

Schedule: Revised Substantial Completion date is November 12, 2018. Revised Final Completion date is December 28, 2018.

Construction Activities:

January:

- Welded structural steel and installed Buckling-Restrained Braces (BRBs).
- Installed metal decking at 3rd floor.
- Installed rebar and formwork at 2nd and 3rd floor.
- Steel Completion Ceremony held on January 26.

February:

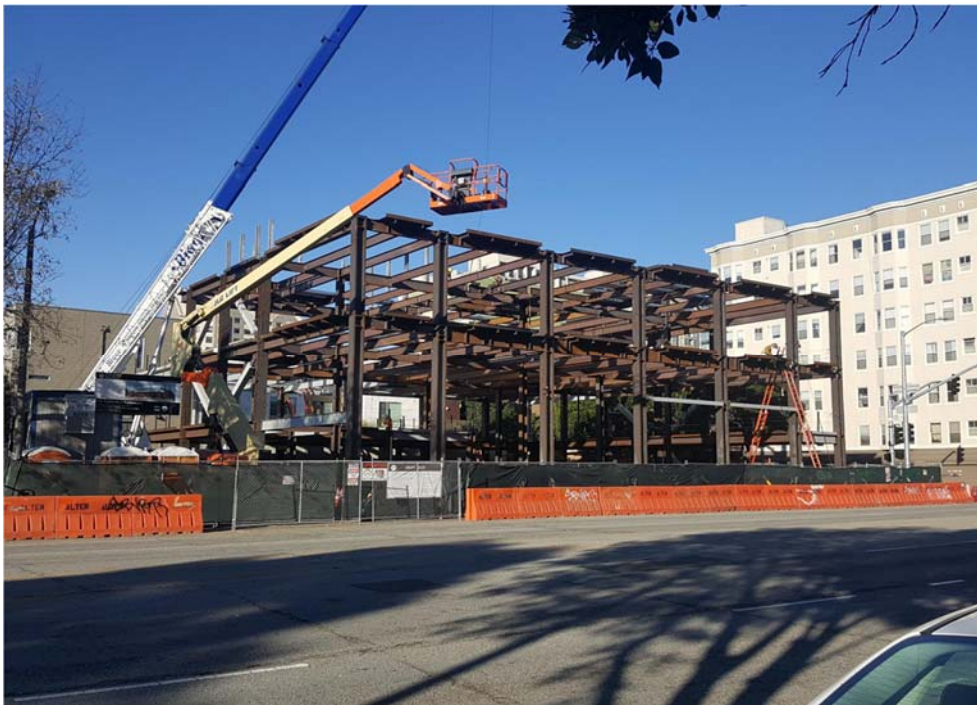
- Placed concrete slab at 2nd floor level on February 2.
- Placed concrete slab at 3rd floor level on February 20.
- Placed concrete roof deck on February 23.
- Began installation of underground utilities.

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- Began installation of metal stairs.

March:

- Installed underground utilities.
- Installed edge formwork, vapor barrier, and rebar in preparation for concrete pour of slab-on-grade (SOG) in early April 2018.
- Placed red colored concrete at metal stair pans and HVAC equipment pads at roof level on March 26.
- Began installation of interior metal stud framing at 2nd and 3rd floors.
- Began plumbing and electrical rough-in at 2nd and 3rd floors.



Fire Station 5 – View from Turk and Webster Street Intersection (3.30.18)

### **Fireboat Station 35: (See ESER 2014 this report)**

Fireboat 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 ESER 2014 funds for Station 35.

### **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.

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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 Public Health and Safety Bond – which received 79 percent voter approval in June 2016. The analysis and prospective project at the location of Station 9 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 Station 36 – new apparatus bay doors and HVAC cooling in select South-facing areas identified post-occupancy. The new apparatus bay doors are installed. On site pre-construction meeting for the HVAC work was held on March 26, 2018. Work is anticipated to begin in May 2018 and be completed by end of June 2018.

## **Focused Scope Projects**

Design services:

Public Works BDC/IDC for Roofing, Envelope, Apparatus Bay Door Replacement, Showers, and Sidewalk categories of Focused Scope.

GHD and AAES (both as-needed electrical engineering consultants) for Generator Replacement projects.

## **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.

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

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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.

## **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**



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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 Fire Department Headquarter's exterior 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 A/E 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.
- 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 Public Works Bureau of Building Repair on 9.5.17, and Final Completion occurred on 10.20.17.

### Historic Evaluation and Environmental Review

Summary: CEQA reviews and approvals proceeded apace and 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.)

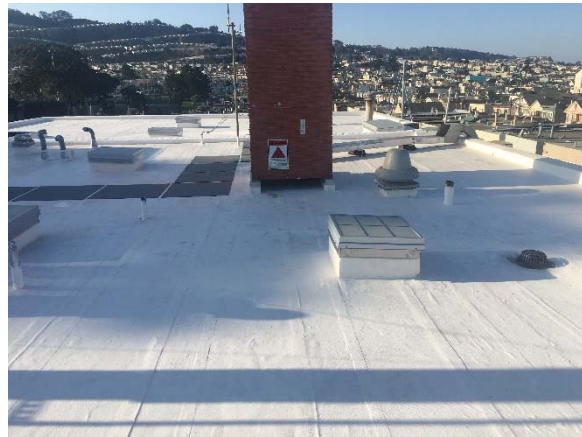
### **Project Budget:**

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

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## 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.

### Seismic Projects:

#### **Fireboat Station 35**

Design/Builder: Swinerton/Power, JV

Design Phase: October 2017 – September 2018

CEQA Process: September 2017 – July 2018

PORT Permits: September 2018 – January 2019

Construction Phase: December 2018 – November 2020

January:

- Programming/Concept Design Phase was completed on January 25
- NTP for Schematic Design Phase was issued on January 26

February:

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- Presentation to Harbor Safety Committee took place on February 8
- Presentation to Design Review Board (DRB) and San Francisco Bay Conservation and Development Commission (SF BCDC) was conducted on February 26

### March

- Analyzing and evaluating impacts to the project's design based on the comments received from DRB and SF BCDC during the presentation
- Selecting viable options for implementation
- Updating PowerPoint presentation in preparation for the second address to DRB and SF BCDC



Fire Station 35 – Proposed Concept Harrison Street View Corridor

### **Pier 26 Fireboat Berths**

Design services: COWI North America

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 in June 2018. Temporary electrical work started on March 23 and it will be completed in the first week of April. Permanent electrical work and stairs' modifications will start in April and are estimated to be completed in June 2018.



Pier 26 Fireboat Berths – Phoenix Fireboat Moored at Pier 26 (March 28, 2018)

### Comprehensive Projects:

#### **Fire Station 3 & 7**

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

### 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 improve 35 Fire Stations.

Design services are being provided by Public Works BDC Architecture and IDC Mechanical and Structural for Roofing, Envelope, App Bay Door Replacement, Showers, Windows, and Sidewalk categories of Focused Scope. GHD and AAES (as-needed electrical engineering consultants) are providing design services for Generator Replacement projects.

#### **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.

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- 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 8.30.2017, 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. On 1.22.18, SFFD requested a change in the scope of work, and BDC provided new permit plans. The Planning Department completed their review and issued Categorical Exemption Modifications on 3.22.18. On 3.30.18 BDC procured new permits. A Notice to Proceed will likely be issued to DWN on or about 4.9.18.
- Emergency Declaration - Fire Station 3  
Fire Station 3 was originally part of Package 3. On 11.28.17, SFFD notified Project Management that the door at FS 3 had broken and was irreparable. On 12.4.17, the Director of Public Works signed an Emergency Declaration, and a separate contract was issued to DW Nicholson. This project was Substantially Complete on 1.15.18. The contractor is currently providing closeout documents to achieve Final Completion.
- 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):  
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 9, 17, 20, 22, 23.
- Package 5 & 6 (previously “package 4 TBD”)

# Earthquake Safety and Emergency Response Bond Program

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## (ESER 2010 & 2014)

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. In January 2018, Project Management was notified that all previously issued 2016 Categorical Exemptions issued by Planning for these projects would need to undergo a new review. 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 summer of 2018, after Planning completes their 2<sup>nd</sup> review, and provides Categorical Exemption Modifications. 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 is 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 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 of all base bid work was achieved by 10.22.17, with the exception of a delay due to the use of a mechanical allowance for a long lead item at FS 43, changing the Substantial Completion date to 12.11.17. The contractor is currently providing closeout documents to achieve Final Completion.

# Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

## 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 late April/ early May 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, and FS 33 is delayed until parts can be located for repairs.
- Package 6 (FS 11, 12 & 23):  
Package 6 is closed-out.

## 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, and provided cost proposals in summer 2015. SFFD directed Public Works on 4.25.16 to put FS 8 Exterior Envelope on hold until the adjacent commercial mid-rise building that was under construction was complete in spring

# Earthquake Safety and Emergency Response Bond Program

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## (ESER 2010 & 2014)

2018. Fire Stations 20, 23 & 29 were on hold until Pkg 5 Roof Replacement project was substantially complete. BBR is currently re-pricing and resubmitting the cost proposals to Project Management.

- Package 2 (FS 24 & 34):  
The scope of work consists of historic restoration of select exterior façade elements including brick re-repointing and limited replacement, lintel repair and re-coating, replacement of damaged glazing, and repainting of stucco in select areas. An Invitation to Bid will be advertised in early April 2018 and bids will be due in late spring 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, a project that is anticipated to bid in late 2019.
- Package 4 (FS 22):  
The scope includes roofing, exterior envelope, waterproofing, and window repairs. An Invitation to Bid was advertised in early January 2018. Bids were due on 2.7.18, and Argo Construction was the low bidder at \$780,000. A Notice of Award was issued on 3.30.18, and an NTP is anticipated by early May 2018.

### **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 station will be confirmed during site walks with BBR in spring or summer of 2018, and priorities will be assigned in discussions with SFFD.

### **Emergency Generators:**

- Package 1 (FS 31):  
The original project included replacement of the generator at FS 31, and minor improvements at FS 14, 24 and 37. At SFFD's request, the repairs at FS 14, 24, and 37 have been cancelled as part of this project. Instead, the SFFD requested full replacement of generators at FS 14, 24, and 37. The package 1 scope of work is to replace the existing emergency generator at FS 31. On



# Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

March 31, 2018, GHD Engineering completed construction documents for this project. This project is being estimated and will be bundled into a bid package with other generators.

- Generator Replacement at FS 2  
The scope of work will consist of replacement of an existing roof top generator, a new fuel tank to meet SFFD's 72 hour emergency run time protocol, upgrades to the roof structure, and the replacement of the existing fuel fill port. GHD Engineering is being procured as design consultants, and an NTP is anticipated to GHD by end of April.

## **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**

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.

The two projects were found to be infeasible to deliver within ESER 2014.

## Earthquake Safety and Emergency Response Bond Program

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### (ESER 2010 & 2014)

The EMS Facility project was deferred to Public Health and Safety Bond which was approved by 79 percent of the voters in June 2016 under the new project name of Ambulance Deployment Facility (ADF). Public Works completed program analysis and conducted test fits 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.

Public Works conducted test fits of the BOE Facility at two locations. The optimal scenario was found to be renovation of the existing SFFD EMS facility at 1415 Evans, which would become available after EMS is relocated. Therefore, further work on the BOE Facility project is deferred to a subsequent bond program 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



Pump Station 2

# 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 19<sup>th</sup> Avenue from Irving Street to Kirkham Street as part of Public Works’ 19<sup>th</sup> Avenue Roadway Improvements, Contract 2652J. Bid advertisement 7/2018.
2. Clarendon Supply – Provide a new AWSS water supply and pipe near the crest of Clarendon Avenue at Dellbrook Avenue. Design completion 4/2018. Work to be included in AWSS Pipeline Improvements contract to be advertised 5/2018.
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. Work to be included in AWSS Ingleside/University Mound Pipeline contract to be advertised 7/2018.
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. Work to be included in AWSS Ingleside/University Mound Pipeline Contract to be advertised 7/2018.
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

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(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 issued 4/2018. AWSS construction completion 5/2019.
2. Control System – Improve the AWSS control and telecommunications systems. Project completed 3/2018.
3. 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.
4. Mariposa/Terry Francois Boulevard AWSS Pipeline – Construction completion 7/2018.
5. Pumping Station 1 – Install new diesel engines for seawater pumps. Substantial completion 6/2018.
6. Pumping Station 1 Tunnel – Install resilient inserts to improve Pumping Station 1 seawater tunnel seismic performance. Construction schedule pending.
7. Pumping Station 2 – Improve the building structure’s seismic performance. Notice-to-proceed issued 12/2017. Construction completion 4/2020.
8. Street Valve Motorization – Motorize street valves on AWSS pipelines for improved water flow control. Bid advertisement expected 5/2018. Work to be included in AWSS Pipeline Improvements contract to be advertised 5/2018.

## Cisterns

Thirty planned cisterns are functional.

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

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. Certificate of Final Completion and Occupancy received on March 30, 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           | March 30, 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 – 29.86%

## SAFETY

- No injuries, recordables incidents, or first aids

# Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

## 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 9 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.

**Project Status:** CEQA has been completed; a MND -mitigated negative declaration - was published in November 2013 and approved with 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.

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.



# Earthquake Safety and Emergency Response Bond Program

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## (ESER 2010 & 2014)

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 sufficient 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 March 2018, abatement work is nearing completion. The Demolition Permit Application was submitted to DBI on January 16, 2018 and is currently under review by the Planning Department. Completion of the Demolition Permit Application review by the Planning Department is contingent upon the Planning Departments approval of the Site Permit Application, under concurrent review. DBI will then perform its review of both the Demolition and Site Permit Applications. The Demolition Permit is anticipated within the month of April 2018.

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 obligated to achieve LEED Gold certification.

### Schedule:

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

# Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

## 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:

Budget revision #3 was reviewed and approved by the client on March 26, 2018. The budget for various projects were required to be increased due to a number of reasons, which includes higher than estimated bid results, additional scopes, and unexpected costs associated with utility upgrades. The client department (SFPD) transferred \$610K from the general fund to partially off-set the budget deficiency for the Police Academy Renovation Project. Additionally, the program wide project management budget was reduced based on recent burn rate trends. Funds from Program Reserve will be drawn to cover budget shortages in listed projects. The total overall ESER budget remains \$29.49M (after the cost of bond issuance).

Projects	Previous Budget (05/2017)	Current Budget (03/2018)	Reason to Re-Budget
<b>Focused Scope Projects</b>			
ADA Upgrades	\$1,871,121	\$1,871,121	-
MEP Upgrades Package 1	\$2,328,126	\$2,328,126	-
MEP Upgrades Package 2	\$2,675,775	\$4,966,098	1, 2, 3
Mission Police Station	\$1,816,040	\$1,137,602	7, 8
Ingleside Police Station	\$1,833,172	\$1,985,684	6
Northern Police Station	\$3,485,916	\$3,485,916	-
Police Academy	\$3,041,065	\$4,552,194	1, 3, 4, 5, 10
Park Police Station	\$3,519,327	\$2,733,776	6
Firearms Simulation Training Facility	\$1,251,818	\$1,251,818	-
<b>Total</b>	<b>\$21,822,360</b>	<b>\$24,312,335</b>	
<b>Special Projects Total</b>	<b>\$222,104</b>	<b>\$222,104</b>	-

# Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Program Wide Project Management	\$4,724,327	\$4,424,327	9
Program Reserve	\$2,721,209	\$531,234	
Police Facilities Total	\$29,490,000	\$29,490,000	

**Notes:**

1. Construction cost or estimated construction cost is higher than construction budget.
2. Market conditions are driving up construction cost.
3. Change order contingency is increased due to higher construction cost.
4. Project control cost increased due to added scope.
5. Added allowance for transformer and primary service upgrade required by PG&E.
6. Budget modified to match contractor final bid price.
7. Construction cost or estimated construction cost is less than construction budget.
8. Change order contingency is decreased due to lower construction cost.
9. Decreased PM labor cost per recent burn rate trend.
10. SFPD contributed \$610K toward the construction of Police Academy to partially off-set budget deficiencies. The Additional \$610K is not included in the value indicated under Current Budget.

**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: Park, Ingleside, Taraval, Richmond, and Police Academy. Project is completed, there are no updates.

**NORTHERN, RICHMOND, TARAVAL POLICE STATION RENOVATION PROJECT**

The following was completed at Richmond Station:

1. Trench, installed storm drainage pipes, backfilled, compacted, and repaved areas of impact.
2. Duct cleaning
3. Kitchen hood replacement
4. HVAC diffusers and register replacement

The following was completed at Northern Station:

1. Duct cleaning
2. Saw cut for trenching

The following was completed at Taraval Station:

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

## 1. Duct cleaning



*Richmond Station – trench, install storm pipes, backfill and re-pave road.*

### **NEW FIREARMS SIMULATOR TRAINING FACILITY**

The project is under construction. Due to material availability, weather, and added scope, the project is experiencing a 2 month delay; instead of February 2018 as previously reported, the project will be completed in April 2018. The following was completed in the first quarter of 2018.

1. Foundation was completed.
2. Site electrical work was completed.
3. Water and sewage piping and connection was completed.
4. Drainage pit was completed.
5. Modular building was successfully placed on foundation.
6. Modular building ramp was installed.
7. Carpet in modular building was installed.

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



*Building placement*



*Building – front view*



*Building – side view*

## INGLESIDE and PARK POLICE STATION RENOVATION

The project was awarded to Wickman Construction, it is currently in the pre-construction phase. The General Contractor will mobilize in April 2018 – with work to begin at Park Station first and then Ingleside Station shortly after. Construction will be substantially completed at both stations by December 2018 per contract.

The project budget was modified to match the contractor's final bid price; please refer to the previous section regarding **Budget** for more information.

## POLICE ACADEMY RENOVATION

The project was reviewed and approved by the Department of Building Inspection. Public Works' BDC design team is working on completing final bid documents by April 2018. Public Works have been working with PG&E through PUC to gather additional requirements regarding electrical system upgrades pertaining to the project scope. A service application was submitted to PG&E by PUC; PG&E responded in March 2018 with a requirement to upgrade the site's primary service. However, PUC is in disagreement with PG&E and will contest the requirement. PUC provided an estimated quote of \$500K for the primary

# Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

service upgrade, this budget was not included in the original project budget, and if required, will produce a budget gap. Public Works will continue to work with PUC and PG&E to come up with the best solution for the project.

Due to additional PG&E requirements and other reasons, the project was re-budgeted. Please refer to the previous section regarding **Budget** for more information.

## MEP PACKAGE 2 (BAYVIEW, TENDERLOIN)

The project was advertised on January 30, 2018, a total of 4 bids were received on February 28, 2018. A summary of the final bid results is as follows:

Wickman Construction:	\$3,582,000 ( <i>lowest responsible bidder</i> )
Angotti & Reilly:	\$4,258,048
KCK Builders:	\$3,653,000
E.F. Brett and Company:	\$3,995,000

Wickman Construction submitted the lowest responsible bid at \$3,582,000, which is 39% of the engineer's estimate. The average bid is \$3,872,012, which is 50% above the engineer's estimate. Wickman Construction's bid was reviewed by the Contract Monitoring Division and determined to have met the project's LBE requirement; the contractor's bid was also reviewed by the Project Manager and determined to have met all project requirements. Based on past history and due to the current construction market trends, Public Works does not believe the project will receive better bids if it is re-bid, therefore Public Works made a recommendation to the Police –and which they accepted- to award the contract to Wickman Construction. Funds from the program reserve will be drawn to cover the budget gap.

The project was re-budgeted. Please refer to the previous section regarding **Budget** for more information.

## MISSION POLICE STATION RENOVATION

Public Works' AE design team completed 65% design in March 2018, a cost estimate was subsequently completed by an outside consultant – M Lee Corp. The construction cost estimate based on 65% design is \$408,013. The project will continue to develop 100% drawings in May 2018 and will receive an updated cost estimate.

The project was re-budgeted due to the elimination of the electrical scope. Please refer to the previous section on **Budget** for more information.

# Earthquake Safety and Emergency Response Bond Program

## (ESER 2010 & 2014)

### 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. Additionally, Public Works revised budgets for the NFS and OCME components. The ESER 2010 Neighborhood Fire Stations increased by \$1,300,000 from \$71,067,175 to \$72,367,175 funded by the savings from the Public Safety Building. The same amount is deducted from the ESER 2014 Neighborhood Fire Stations in order to fund the additional need for the Office of the Chief Medical Examiner. 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. 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 (i)	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	72,367,175	71,067,175	36,937,064	21,887,840	12,242,271	81%	83%
Auxiliary Water Supply System (AWSS)	102,400,000	102,684,472	102,684,472	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	3,313,271	0	693,635	83%	83%
PSB Savings		7,200,000	8,500,000	0	0	8,500,000	0%	0%
<b>TOTAL</b>	<b>412,300,000</b>	<b>416,758,553</b>	<b>416,758,553</b>	<b>345,865,294</b>	<b>25,791,135</b>	<b>45,102,124</b>	<b>89%</b>	<b>89%</b>

(i) Appropriation will reflect revised budget upon completion of budget revision #2 transactions and interest earned reallocation into respective components.

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.

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

## 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 (i)	Expenditures	Encumbrance	Balance		
Office of the Chief Medical Examiner (OCME)	63,895,000	67,533,024	66,233,024	59,665,999	659,146	5,907,879	89%	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	79,916,976	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%
<b>TOTAL</b>	<b>400,000,000</b>	<b>400,000,000</b>	<b>210,265,000</b>	<b>106,632,255</b>	<b>10,089,136</b>	<b>93,543,612</b>	<b>29%</b>	<b>56%</b>

(i) Appropriation will reflect revised budget upon completion of budget revision #2 transactions.

Public Works revised budgets for the NFS and OCME components. The ESER 2014 Neighborhood Fire Stations decreased by \$1,300,000 from \$81,216,967 to \$79,916,976. The same amount is increased in the ESER 2010 Neighborhood Fire Stations, in order to fund the additional need for the Office of the Chief Medical Examiner. The OCME increased by \$1,300,000 from \$66,233,024 to \$67,533,024.

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 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](http://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@sflower.org

Earthquake Safety and Emergency Response Bond Program  

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(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
<b>PUBLIC SAFETY BUILDING</b>									
CLOSE-OUT	<b>PUBLIC SAFETY BUILDING</b> (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
		<b>Subtotal</b>	<b>239,000,000</b>	<b>230,500,000 <sup>(9)</sup></b>	<b>230,500,000</b>	<b>0</b>	<b>228,635,201</b>	<b>269,585</b>	<b>1,595,214</b>
<b>NEIGHBORHOOD FIRE STATIONS</b>									
COMPLETED	<b>FOCUSED SCOPE</b> <b>Stations: 2, 6, 10, 12, 13, 15, 17, 18, 21, 25, 26, 28, 31, 32, 38, 40, 41, 42, 49</b> (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
		<b>Subtotal</b>	<b>12,218,577</b>	<b>10,717,215</b>	<b>10,717,215</b>	<b>0</b>	<b>10,717,215</b>	<b>0</b>	<b>0</b>
VARIOUS	<b>ADDITIONAL FOCUSED SCOPE</b> <b>Exterior Envelope HQ, Misc. FS 49;</b> <b>Additional projects TBD</b>	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
		<b>Subtotal</b>	<b>0</b>	<b>3,065,058</b>	<b>191,871</b>	<b>0</b>	<b>104,967</b>	<b>0</b>	<b>86,904</b>
DESIGN	<b>ADDITIONAL FOCUSED SCOPE</b> <b>App Bay Doors</b>	Soft Costs		2,338,025	0		0	0	0
		Construction		0	0		0	0	0
		Construction Contingency		0	0		0	0	0
		<b>Subtotal</b>	<b>0</b>	<b>2,338,025</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
COMPLETED	<b>COMPREHENSIVE: STATION 44</b> (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
		<b>Subtotal</b>	<b>1,567,265</b>	<b>1,380,972</b>	<b>1,380,972</b>	<b>0</b>	<b>1,380,970</b>	<b>0</b>	<b>2</b>
CLOSE-OUT	<b>COMPREHENSIVE: STATION 36</b> (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
		<b>Subtotal</b>	<b>4,798,217</b>	<b>5,787,300</b>	<b>5,794,924</b>	<b>0</b>	<b>5,561,570</b>	<b>8,423</b>	<b>224,931</b>
CONSTRUCTION	<b>SEISMIC: STATION 5 (New 2-story)</b> (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
		<b>Subtotal</b>	<b>13,838,757</b>	<b>20,888,783</b>	<b>20,461,349</b>	<b>0</b>	<b>4,389,514</b>	<b>13,960,866</b>	<b>2,110,969</b>

# 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	<b>SEISMIC: STATION 9 UTILITY ISOLATION</b> (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
		<b>Subtotal</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>
CONSTRUCTION	<b>SEISMIC: STATION 16 (New 2-story)</b> (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
		<b>Subtotal</b>	<b>8,841,656</b>	<b>14,225,070</b>	<b>13,793,250</b>	<b>0</b>	<b>4,789,430</b>	<b>7,359,337</b>	<b>1,644,483</b>
CEQA UNDER ESER 2014	<b>NEW PIER FIRE BOAT HEADQUARTERS</b> (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
		<b>Subtotal</b>	<b>9,993,136 <sup>(1)</sup></b>	<b>726,450 <sup>(1)</sup></b>	<b>726,450</b>	<b>0</b>	<b>258,820</b>	<b>430,392</b>	<b>37,238</b>
PLANNING	<b>EQUIPMENT LOGISTICS CENTER</b> (CESER1 FS26; Job Order 7425A)	Soft Costs	589,000	17,680	8,179		8,179	0	0
		Construction							0
		Project Contingency							0
		<b>Subtotal</b>	<b>589,000</b>	<b>17,680</b>	<b>8,179</b>	<b>0</b>	<b>8,179</b>	<b>0</b>	<b>0</b>
	<b>PROGRAM-WIDE SOFT COSTS &amp; PROGRAM RESERVE</b> (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	1,511,870 <sup>(7)</sup>					0
		<b>Subtotal</b>	<b>11,953,391</b>	<b>13,020,618</b>	<b>9,900,904</b>	<b>0</b>	<b>9,726,403</b>	<b>128,822</b>	<b>45,678</b>
	<b>NEIGHBORHOOD FIRE STATIONS SUMMARY</b> (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	3,931,720	81,932		0	0	81,932
		GO Bond Proceeds	0	0	7,892,065		0	0	7,892,065
		<b>Subtotal</b>	<b>64,000,000</b>	<b>72,367,172</b>	<b>71,067,172 <sup>(9)</sup></b>	<b>0</b>	<b>36,937,068</b>	<b>21,887,840</b>	<b>12,242,271</b>

# 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
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>									
<b>PRE-BOND PLANNING AND DEVELOPMENT</b>									
Program	<b>Pre-Bond Planning and Development</b>								
		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
		<b>Subtotal</b>	<b>1,316,964</b>	<b>1,316,964</b>	<b>1,316,964</b>	<b>0</b>	<b>1,316,964</b>	<b>0</b>	<b>0</b>
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>									
Complete	<b>Jones Street Tank</b>								
		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
		<b>Subtotal</b>	<b>6,403,052</b>	<b>6,403,052</b>	<b>6,420,735</b>	<b>0</b>	<b>6,408,366</b>	<b>0</b>	<b>12,369</b>
Complete	<b>Ashbury Heights Tank</b>								
		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
		<b>Subtotal</b>	<b>4,731,787</b>	<b>4,731,787</b>	<b>4,647,361</b>	<b>0</b>	<b>4,647,361</b>	<b>0</b>	<b>0</b>
Complete	<b>Twin Peaks Reservoir</b>								
		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
		<b>Subtotal</b>	<b>2,655,031</b>	<b>2,655,031</b>	<b>2,652,884</b>	<b>0</b>	<b>2,652,884</b>	<b>0</b>	<b>0</b>
Construction	<b>Pump Station No. 2</b>								
		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
		<b>Subtotal</b>	<b>22,600,000</b>	<b>22,600,000</b>	<b>22,665,461</b>	<b>0</b>	<b>4,448,567</b>	<b>396,994</b>	<b>17,819,900</b>
Construction	<b>Pump Station No. 1</b>								
		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
		<b>Subtotal</b>	<b>13,950,521</b>	<b>13,950,521</b>	<b>13,674,610</b>	<b>0</b>	<b>13,365,077</b>	<b>503,613</b>	<b>-194,080</b>

# 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	<b>FIREFIGHTING CISTERNS</b>								
	<b>Contract No. 1</b>								
		Soft Costs	508,057	508,057	508,057		508,057	0	0
		Construction	0	0	0		0	0	0
		Project Contingency		0					0
		<b>Subtotal</b>	<b>508,057</b>	<b>508,057</b>	<b>508,057</b>	<b>0</b>	<b>508,057</b>	<b>0</b>	<b>0</b>
Closeout	<b>New Cisterns</b>								
		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
		<b>Subtotal</b>	<b>34,601,858</b>	<b>34,601,858</b>	<b>35,786,177</b>	<b>0</b>	<b>33,311,957</b>	<b>2,447,540</b>	<b>26,680</b>
Complete	<b>Contract No. 3</b>								
		Soft Costs	50,718	50,718	50,718		50,718	0	0
		Construction	0	0	0		0	0	0
		Project Contingency							0
		<b>Subtotal</b>	<b>50,718</b>	<b>50,718</b>	<b>50,718</b>	<b>0</b>	<b>50,718</b>	<b>0</b>	<b>0</b>
Complete	<b>Contract No. 4</b>								
		Soft Costs	124,191	124,191	124,191		124,191	0	0
		Construction	0	0	0		0	0	0
		Project Contingency							0
		<b>Subtotal</b>	<b>124,191</b>	<b>124,191</b>	<b>124,191</b>	<b>0</b>	<b>124,191</b>	<b>0</b>	<b>0</b>

# 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	<b>FIREFIGHTING PIPES AND TUNNELS AWSS Modernization CIP Study</b>	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
		<b>Subtotal</b>	<b>2,739,289</b>	<b>2,739,289</b>	<b>2,739,289</b>	<b>0</b>	<b>2,739,289</b>	<b>0</b>	<b>0</b>
Various	<b>Pipes/Tunnels (Projects 11 thru 19)</b>	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
		<b>Subtotal</b>	<b>11,933,997</b>	<b>11,933,997</b>	<b>11,151,880</b>	<b>0</b>	<b>6,820,255</b>	<b>237,154</b>	<b>4,094,471</b>
Program	<b>CUW AWS 01</b>	Soft Costs	784,535	784,535	661,674		586,072	48,409	27,193
		Construction	0	0	0				0
		Project Contingency							0
		<b>Subtotal</b>	<b>784,535</b>	<b>784,535</b>	<b>661,674</b>	<b>0</b>	<b>586,072</b>	<b>48,409</b>	<b>27,193</b>
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>	Soft Costs	40,207,949	40,207,949	36,461,434		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 <sup>(6)</sup>	284,472		0	0	284,472	
	<b>Subtotal</b>	<b>102,400,000</b>	<b>102,684,472</b>	<b>102,684,473</b>	<b>0</b>	<b>76,979,758</b>	<b>3,633,710</b>	<b>22,071,005</b>	

# 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
<b>SUMMARY</b>									
		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	4,216,192	8,258,469	0	0	0	366,404
		<b>Subtotal</b>	<b>405,400,000</b>	<b>405,551,646</b>	<b>404,251,651</b>	<b>0</b>	<b>342,552,027</b>	<b>25,791,135</b>	<b>35,908,489</b>
		<b>PSB Savings (pending close out)</b>	<b>0</b>	<b>7,200,000 <sup>(7)</sup></b>	<b>8,500,000 <sup>(6)</sup></b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,500,000</b>
		<b>BOND OVERSIGHT/ACCOUNTABILITY</b>	<b>1,216,200</b>	<b>1,238,955</b>	<b>1,238,955</b>	<b>0</b>	<b>685,562</b>	<b>0</b>	<b>553,393</b>
		<b>BOND COST OF ISSUANCE</b>	<b>5,683,800</b>	<b>2,767,951</b>	<b>2,767,951 <sup>(6)</sup></b>	<b>0</b>	<b>2,627,709 <sup>(2)</sup></b>	<b>0</b>	<b>140,242</b>
<b>TOTAL ESER 2010 (CESER1)</b>			<b>412,300,000</b>	<b>416,758,553</b>	<b>416,758,553 <sup>(3,4)</sup></b>	<b>0</b>	<b>345,865,294</b>	<b>25,791,135</b>	<b>45,102,124</b>

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 CUWAWSS 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.

\$102,568,217

(\$76,979,758)

(\$76,505)

(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

6,343,891

6,343,891

(4) PSB Furniture Fixtures and Equipment

5,721,909

5,044,019

(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

(7) Due to reduction of \$1.3M under ESER 2014 NFS, an equivalent amount is allocated under ESER 2010 NFS from PSB Savings.

**Program Total (ESER 2010)**

**\$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	<b>*OFFICE OF THE CHIEF MEDICAL EXAMINER</b>								
		Soft Costs	17,217,350	16,508,898	16,927,606		14,709,742	630,146	1,587,718
		Construction	54,115,864	59,969,546 <sup>(3)</sup>	58,250,838		45,781,000	1,055,733	11,414,105
		Construction Contingency	1,507,206	0	0		0	0	0
		<b>Subtotal</b>	<b>72,840,420</b>	<b>76,478,444</b>	<b>75,178,444</b>	<b>0</b>	<b>60,490,742</b>	<b>1,685,879</b>	<b>13,001,823</b>
DESIGN	<b>TRAFFIC COMPANY &amp; FORENSIC SERVICES DIVISION</b>								
		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
		<b>Subtotal</b>	<b>162,195,000</b>	<b>162,195,000</b>	<b>46,703,201</b>	<b>0</b>	<b>23,347,118</b>	<b>1,741,673</b>	<b>21,614,410</b>
VARIOUS	<b>POLICE FACILITIES</b>								
	<b>Focused Scope Subtotal</b>								
		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
		<b>Subtotal</b>	<b>19,117,173</b>	<b>21,823,210</b>	<b>10,556,439</b>	<b>0</b>	<b>4,010,062</b>	<b>4,190,545</b>	<b>2,355,832</b>
VARIOUS	<b>Special Projects Subtotal</b>								
		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
		<b>Subtotal</b>	<b>0</b>	<b>222,104</b>	<b>223,576</b>	<b>0</b>	<b>205,999</b>	<b>17,302</b>	<b>276</b>
	<b>Police Facilities Program Wide</b>	Soft Costs	5,832,658	4,724,327	2,933,692		2,500,486	52,833	380,373
	<b>PF Reserve</b>	Program Reserve	4,540,169	2,720,359	-		-	-	-
		Unappropriated Bond Proceeds	-	-	3,363,944		-	-	3,363,944
	<b>POLICE FACILITIES SUMMARY</b>								
		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
		<b>Subtotal</b>	<b>29,490,000</b>	<b>29,490,000</b>	<b>17,077,651</b>	<b>0</b>	<b>6,716,547</b>	<b>4,260,680</b>	<b>6,100,425</b>

# 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
<b>NEIGHBORHOOD FIRE STATIONS</b>									
<b>SEISMIC IMPROVEMENTS</b>									
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
		<b>Subtotal</b>	<b>37,848,277</b>	<b>39,949,643</b>	<b>4,489,580</b>	<b>0</b>	<b>1,302,697</b>	<b>478,522</b>	<b>2,708,361</b>
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
		<b>Subtotal</b>	<b>2,100,000</b>	<b>3,052,364</b>	<b>2,747,250</b>	<b>0</b>	<b>2,209,606</b>	<b>352,619</b>	<b>185,025</b>
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
		<b>Subtotal</b>	<b>3,000,000</b>	<b>2,860,195</b>	<b>2,860,195</b>	<b>0</b>	<b>2,860,195</b>	<b>0</b>	<b>0</b>
VARIOUS	<b>COMPREHENSIVE RENOVATIONS</b>								
	<b>9663A NFS 3</b>								
		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
		<b>Subtotal</b>	<b>8,000,000</b>	<b>5,400,000</b>	<b>726,268</b>	<b>0</b>	<b>163,355</b>	<b>81,423</b>	<b>481,489</b>
	<b>9607A NFS 7</b>								
		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
		<b>Subtotal</b>	<b>2,078,778</b>	<b>2,600,000</b>	<b>329,615</b>	<b>0</b>	<b>161,081</b>	<b>6,250</b>	<b>162,284</b>

# 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	
	<b>NEIGHBORHOOD FIRE STATIONS</b>									
VARIOUS	<b>FOCUSED SCOPE PROJECTS</b>									
		<b>Focused Scope Projects Subtotal</b>								
		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	
		<b>Subtotal</b>	<b>20,704,776</b>	<b>22,064,279</b>	<b>8,152,753</b>	<b>0</b>	<b>4,315,139</b>	<b>1,891,709</b>	<b>1,945,904</b>	
		<b>STUDIES, PROGRAM MANAGEMENT &amp; REQUIRED COSTS</b>								
		Soft Costs	10,773,502	10,693,981	4,956,542	0	4,362,047	46,540	547,955	
		<b>NFS Reserve</b>								
		Program Reserve	6,301,511	2,690,343 <sup>(3)</sup>	0		0	0	0	
		Unappropriated Bond Proceeds	0	0	8,925,132		0	0	8,925,132	
		<b>*NEIGHBORHOOD FIRE STATIONS SUMMARY</b>								
		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	7,821,631	8,971,066		0	0	8,971,066	
	<b>Subtotal</b>	<b>92,291,829</b>	<b>89,310,806</b>	<b>33,187,334</b>	<b>0</b>	<b>15,374,122</b>	<b>2,857,062</b>	<b>14,956,150</b>		

# 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
<b>EMERGENCY FIREFIGHTING WATER SYSTEM</b>								
<b>PRE-BOND PLANNING AND DEVELOPMENT</b>								
Program	<b>Pre-Bond Planning and Development</b>							
		Soft Costs	0	0		0	0	0
		Construction	0	0		0	0	0
		Project Contingency						0
		<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>								
Complete	<b>Twin Peaks Reservoir - ESER 2014</b>							
	CUWAW2AW23	Soft Costs		59,786	0	0	0	59,786
		Construction	643,518	682,000	0	643,518	0	38,482
		Project Contingency						0
		<b>Subtotal</b>	<b>643,518</b>	<b>741,786</b>	<b>0</b>	<b>643,518</b>	<b>0</b>	<b>98,268</b>
Construction	<b>Pumping Station 2 (ESER 2014 Partial Funding)</b>							
	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
		<b>Subtotal</b>	<b>5,000,000</b>	<b>2,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,000,000</b>
Complete	<b>ESER 2014 Assessments</b>							
	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
		<b>Subtotal</b>	<b>1,185,004</b>	<b>1,229,551</b>	<b>0</b>	<b>1,183,711</b>	<b>1,752</b>	<b>44,088</b>

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	<b>Pipelines (Projects 29; 31-44)</b>	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
		<b>Subtotal</b>	<b>44,766,372</b>	<b>17,628,416</b>	<b>0</b>	<b>2,791,157</b>	<b>1,343,776</b>	<b>13,493,484</b>
Program	<b>CUWAW200</b>	Soft Costs	2,470,106	32,465,247	0	259,504	56,186	32,149,557
		Construction		0	0			0
		Project Contingency		0				0
		<b>Subtotal</b>	<b>2,470,106</b>	<b>32,465,247</b>	<b>0</b>	<b>259,504</b>	<b>56,186</b>	<b>32,149,557</b>
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>	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	
	<b>Subtotal</b>	<b>54,065,000</b>	<b>54,065,000</b>	<b>0</b>	<b>4,877,890</b>	<b>1,401,713</b>	<b>47,785,396</b>	

# 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
<b>ESER 2014 SUMMARY</b>									
		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	279,834,748	84,457,138	0	55,588,922	8,152,789	20,836,778
		Contingency	15,463,876	18,810,546	12,546,864	0	0	0	12,425,514
		<b>Subtotal</b>	<b>410,882,248</b>	<b>411,539,245</b>	<b>226,211,630</b>	<b>0</b>	<b>110,806,419</b>	<b>11,947,007</b>	<b>103,458,204</b>
		<b>BOND OVERSIGHT/ACCOUNTABILITY/COI</b>	<b>6,800,000</b>	<b>6,800,000</b>	<b>2,392,617</b>	<b>-</b>	<b>1,881,237</b>	<b>-</b>	<b>511,380</b>
		<b>SUBTOTAL</b>	<b>417,682,248</b>	<b>418,339,245</b>	<b>228,604,248</b>	<b>-</b>	<b>112,687,656</b>	<b>11,947,007</b>	<b>103,969,584</b>

\* 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)
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(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)
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**TOTAL (CESER2)**

	<b>400,000,000</b>	<b>400,000,000</b>	<b>210,264,999</b>	<b>106,632,265</b>	<b>10,089,134</b>	<b>93,543,599</b>
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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	-	-	
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(2) The transfer out to PUC EFWS shows as actual, Subobj 0935W (OTO TO 5W-WATER)

	-	54,227,613	-	-	
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(a) Less PUC actuals per FAMIS Project Structure CUWAW2 AW

	-	-	(4,877,891)	(1,401,714)	(47,785,397)
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(b) Less actuals for Controller's Audit Fund and CGOBOC (CUWAW2; 081C4, 081GO)

	-	-	(35,022)	-	(127,591)
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(3) Due to additional allocation of \$1.3M under ESER 2010 NFS, an equivalent amount is reallocated from ESER 2014 NFS to fund OCME.

	-	-	-	-	
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**PROGRAM TOTAL (ESER 2014)**

	<b>400,000,000</b>	<b>400,000,000</b>	<b>225,626,071</b>	<b>171,308,024</b>	<b>8,687,419</b>	<b>45,630,611</b>
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Attachment 3 – Schedule

ESER 2010 – NFS Active (Comprehensive & Seismic) Projects  
 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				
				July 1, 2010		June 30, 2011		July 1, 2011		June 30, 2012		July 1, 2012		June 30, 2013		July 1, 2013		June 30, 2014		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		
				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.	
NEIGHBORHOOD FIRE STATIONS COMPREHENSIVE: STATION 36																																								
Baseline Budget	4,798,218	03/01/12	09/05/14																																					
Current/Approved	5,787,300	03/01/12	09/30/17																																					
Current/Projected	5,787,300	03/01/12	09/14/18																																					
SEISMIC: STATION 5 (New 2-story)																																								
Baseline Budget	13,838,757	03/01/12	05/01/17																																					
Current/Approved	21,027,983 (i)	03/01/12	03/29/19																																					
Current/Projected	21,027,983 (i)	03/01/12	03/29/19																																					
SEISMIC: STATION 9 UTILITY ISOLATION																																								
Baseline Budget	200,000																																							
Current/Approved	200,000																																							
Current/Projected	200,000																																							
SEISMIC: STATION 16 (New 2-story)																																								
Baseline Budget	8,841,656	03/01/12	01/04/16																																					
Current/Approved	14,225,070	03/01/12	11/30/18																																					
Current/Projected	14,225,070	03/01/12	11/30/18																																					

(i) Including \$139,200 FF&E general funds (for built in beds)

# 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	July 1, 2010 1st Qtr. 9/30/10	June 30, 2011 4th Qtr. 6/30/11	July 1, 2011 1st Qtr. 9/30/11	June 30, 2012 4th Qtr. 6/30/12	July 1, 2012 1st Qtr. 9/30/12	June 30, 2013 4th Qtr. 6/30/13	July 1, 2013 1st Qtr. 9/30/13	June 30, 2014 4th Qtr. 6/30/14	July 1, 2014 1st Qtr. 9/30/14	June 30, 2015 4th Qtr. 6/30/15	July 1, 2015 1st Qtr. 9/30/15	June 30, 2016 4th Qtr. 6/30/16	July 1, 2016 1st Qtr. 9/30/16	June 30, 2017 4th Qtr. 6/30/17	July 1, 2017 1st Qtr. 9/30/17	June 30, 2018 4th Qtr. 6/30/18	July 1, 2018 1st Qtr. 9/30/18	June 30, 2019 4th Qtr. 6/30/19	July 1, 2019 1st Qtr. 9/30/19	June 30, 2019 4th Qtr. 6/30/19	July 1, 2019 1st Qtr. 9/30/19	June 30, 2019 4th Qtr. 6/30/19	July 1, 2020 1st Qtr. 9/30/20	June 30, 2021 4th Qtr. 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	6,409,732	04/01/11	05/31/17					6,409,732																																							
Current/Approved	6,409,732	04/01/11	05/31/17					6,409,732																																							
Current/Projected	6,409,732	04/01/11	05/31/17					6,409,732																																							
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	14,250,520	04/01/11	12/31/18									14,250,520																																			
Current/Approved	14,250,520	04/01/11	12/31/18									14,250,520																																			
Current/Projected	14,250,520	04/01/11	12/31/18									14,250,520																																			
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	11,627,318	04/01/11	06/04/20									11,627,318																																			
Current/Approved	11,627,318	04/01/11	06/04/20									11,627,318																																			
Current/Projected	11,627,318	04/01/11	06/04/20									11,627,318																																			
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																																		