



Earthquake Safety and Emergency Response Bond Program 2010 & 2014

Quarterly Status Report January through March 2019

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TCFSD – Civic Design Review Phase 2 Approved



FS 13 Apparatus Bay Doors – Complete



FS 16 – Ribbon Cutting Ceremony (January 31, 2019)



FS 5 – South and East Elevations at Webster St.

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)

Table of Contents

Table of Contents	1
Executive Summary	1
Program Summary and Status.....	3
Public Safety Building (ESER 2010).....	3
Neighborhood Fire Stations (ESER 2010)	5
Neighborhood Fire Stations (ESER 2014)	12
Emergency Firefighting Water System	22
Office of the Chief Medical Examiner (OCME)	24
Traffic Company & Forensic Services Division (ESER 2014)	26
Police Facilities (ESER 2014)	29
Budget, Funding and Expenditures	35
ESER 2010.....	35
ESER 2014.....	36
Attachment 1 – Contact Information	37
Attachment 2 – Schedule	39

Executive Summary

The \$412.3 million **Earthquake Safety and Emergency Response 2010 (ESER 2010) Bond Program** consists of three components: the **Public Safety Building**, the **Neighborhood Fire Stations & Support Facilities**, and the **Auxiliary Water Supply System**. In this reporting period, under the *Neighborhood Fire Stations*, *Station 16 completed construction and Station 5* continues construction at 98% complete. SFFD began occupying and operating out of Station 16 on January 16, 2019 and a ribbon cutting ceremony was held on January 31, 2019. Due to rain delays, the substantial completion and final completion dates for Station 5 have been revised to April 29, 2019 and June 14, 2019, respectively. *Additional Focused Scope* category projects within the *Neighborhood Fire Stations* component are proceeding apace, adhering to stipulated schedules and budgets.

The \$400 million **Earthquake Safety and Emergency Response 2014 (ESER 2014) Bond Program** consists of five components: **Office of the Chief Medical Examiner, Traffic Company & Forensic Services Division, Neighborhood Fire Stations, Emergency Firefighting Water System, and Police Facilities**.

The *Office of the Chief Medical Examiner* project was inaugurated in November 2017 and is fully operational. City's Certificate of Acceptance was issued on December 13, 2018. Final payment to the CM/GC was released February 2019. Executive Architect's final payment is anticipated to be processed by May 2019.

The Traffic Company & Forensic Services Division project updated the Capital Planning Committee on April 30, 2018, informing them that after two separate cost reduction and value engineering efforts yielding \$26.65 million in savings, and inclusive of additional bond generated funding of \$8.7M made available to the TCFSD, there still remains a \$6.65 million budget deficit. When factoring appropriate contingency to this number, it has produced an \$8.65 million deficit in funding. The resulting outcome of the CPC meeting, Capital Planning staff directed the ESER Program Manager to suspend four (4) ESER 2014 projects – 2 police and 2 fire – to approximate the \$8.645M. These projects will remain suspended until such time as the trade bid packages are largely bought-out and the true TCFSD budget deficit understood.

Under *Neighborhood Fire Stations* component, the *Fireboat Station 35* project was heard at the Bay Conservation & Development Commission (BCDC) on April 4, 2019; the Commission will vote on the project on April 18, 2019. In regard to development of major

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

work products, the Design-Builder submitted 50% Construction Documents for the building on March 8, 2019. Demolition and construction activities at Pier 22 ½ are tentatively scheduled to begin in late June 2019.

The Police *Northern, Taraval, and Richmond Station Renovation Project* is near construction completion; work at Taraval Station was completed; work at Northern Station was completed; remaining work at Richmond Station will be completed by May 2019.

The Public Utilities Commission manages the projects under the *Auxiliary Water Supply System* and the *Emergency Firefighting Water System* components for both programs. Construction continued for Pumping Station 1 (WD-2686), Pumping Station 2 (WD-2687), Irving Street Pipeline (2541J), Ashbury Bypass Pipeline (2500J) and Mariposa Terry Francois Boulevard (DB-128R2) Pipeline contracts. Advertisement anticipated for 19th Ave Pipeline (2652J) and Terry Francois Boulevard/Mission Rock/South Street (DB-129.1) Pipeline contracts in April and July 2019, respectively.

To date, the ESER 2010 program has received the proceeds of six bond sales totaling \$412,300,000 and in addition has received interest earned with a current total appropriation of \$415,372,929. The ESER 2014 program has received the proceeds of three bond sales totaling \$397,988,157, inclusive of savings from cost of issuance which has been appropriated to the other program components.

Please refer to the following report for further details or visit the ESER website at www.sfearthquakesafety.org for previously issued reports.

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

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

meet current seismic codes and requirements. In the event of a major earthquake, this building is not expected to be operational. The PSB will provide a new venue for these two police elements that are a part of a larger strategy to replace the Hall of Justice, established in the City's Capital Plan as the *Justice Facilities Improvement Program* (JFIP) Police Investigations and associated property and evidence storage will remain at the Hall until they are relocated.

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

Project is complete and the facility is occupied.

Project Budget: Project Cost, inclusive of all change orders to date, tracked to within the Total Project Budget of \$243M (GO Bonds and general funds).

Neighborhood Fire Stations (ESER 2010)

Component 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.

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 24 of the 42 neighborhood fire stations. The approved slate of projects was presented to the SF Fire Commission on April 26, 2012.

In addition, Project Management is working with Contract Administration to certify a Master Contract for 2 Specialty JOC contractors for the remaining Apparatus Bay Door Replacements, anticipated in the second quarter of 2019.

The following is a detailed status per project:

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

Seismic Projects:

Station 16:



Ribbon Cutting Ceremony (January 31, 2019)

Design services:

- Architecture: San Francisco Public Works
- Structural, MEP, and Fire Alarm Engineering: San Francisco Public Works
- Civil Engineering: Parsons Brinckerhoff

General Contractor: Roebuck Construction

Schedule: The approved substantial completion date is July 16, 2018. Contractor achieved substantial completion on January 10, 2019. As a result of the overall delay of the project, Public Works has calculated per contract an assessment of liquidated damages from July 17, 2018 to January 10, 2019, in the amount of \$445,000 (\$2,500 per calendar day). SFFD began occupying and operating out of the new station on January 16, 2019. A ribbon cutting ceremony was held on January 31, 2019. Due to rain delays impacting the installation of exterior work, final completion is anticipated to be achieved in April 2019.

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

Station 5:



South and East Elevations at Webster Street (April 3, 2019)

Design services:

- Architecture: San Francisco Public Works
- Structural Engineering: San Francisco Public Works
- MEP, Fire Alarm, and Civil Engineering: GHD

General Contractor: Alten Construction

Percentage Complete (as of 3/31/2019): 98%

Schedule: Substantial completion date has been extended from March 4, 2019 to April 29, 2019. Delay is due to rain impacting site and exterior work. SFFD is tentatively scheduled to occupy and reactivate the station on April 29, 2019. A ribbon cutting ceremony is scheduled for May 1, 2019.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Construction Activities:

January 2019:

- Placed concrete driveway and sidewalk at Webster Street
- Placed concrete sidewalk at Turk Street
- Installed, taped, and painted ceiling drywall in apparatus bay
- Delivered curtainwall glass to the site
- Installed interior doors at 2nd and 3rd floors

February 2019:

- Installed brass fire slide poles in the apparatus bay
- Installed glass at exterior elevations
- Began installation of terracotta tile panels at exterior elevations
- Installed security fence posts at perimeter of side yard
- Placed concrete at driveway, sidewalk, and side yard
- Polished concrete in areas with exposed concrete flooring
- Installed firefighters' storage lockers and cabinets in the apparatus bay

March 2019:

- Installed platform beds in officers' quarters and dormitory
- Installed casework at kitchen
- Installed terracotta tile panels at exterior elevations
- Installed stainless steel countertops and backsplash at kitchen
- Began punchlist work at completed interior areas
- Installed formwork at corner of Turk and Webster in preparation of concrete pour for curb extension (bulb-out)

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.

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.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Comprehensive Project: Station 36

Project was successfully completed and SFFD reoccupied the station on November 19, 2014.

Focused Scope Projects

Design services:

- Public Works BDC/IDC for Roofing, Envelope, Apparatus Bay Door Replacement, Showers, and Sidewalk categories of Focused Scope.
- GHD (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 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: All work is complete.

Detail: All work is complete.

Shower Reconstruction – 9 Stations

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

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.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Additional Focused Scope

Summary: Additional Focused Scope includes Apparatus Bay Door Replacement at multiple Fire Stations and Exterior Envelope Painting at Fire Department Headquarters. In addition, in July 2017, SFFD requested that additional Fire Stations receive Additional Generator Replacements. The funding allocated for Additional Generators will be applied toward a prioritized list of Fire Stations selected by SFFD.

Detail:

- Project Management, BDC and consultant GHD Engineers developed a scope of work for an Additional Generator Replacement at Fire Station 18. On August 10, 2018, GHD received an NTP. On December 21, 2018, GHD completed 95% CDs. On February 14, 2019, plans were submitted to DBI for procurement of a permit.
- Project Management is working with Contract Administration to certify 2 Master Contract for Specialty JOC contractors for the Apparatus Bay Door Replacements, anticipated in the second quarter of 2019.
- SFFD Headquarters Painting is complete.

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](#).

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

Neighborhood Fire Stations (ESER 2014)

Component 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.

SFFD approved the NFS Focused Scope, Comprehensive and Seismic budget portfolio in April 2015. In October of 2017, SFFD approved an updated budget revision.

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

The following is a detailed status per project:

Seismic Projects:

Fireboat Station 35 at Pier 22 ½



Embarcadero Perspective of West and South Elevations

Design-Builder: Swinerton-Power, JV & Shah Kawasaki Architects

FLOAT (float, steel piles, observation deck, vehicle access platform, gangway)

Design Phase: October 2017 – November 2018

PORT Permits: November 2018 – May 2019

Construction Phase*: May 2019 – October 2019

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

*Fabrication of float and through delivery to Treasure Island; includes demolition activities at Pier 22 ½.

BUILDING

Design Phase: October 2017 – June 2019

PORT Permits: March 2019 – July 2019

Construction Phase: October 2019 – December 2020

The Design-Builder submitted 50% Construction Documents for the building on March 8, 2019. The San Francisco Bay Conservation and Development Commission (BCDC) held a hearing on the project on April 4, 2019. The Commission will vote on the project on April 18, 2019. Following BCDC permit approval and the Port Commission's approval of a new MOU between the Port and SFFD, the Port will issue the permit for demolition activities and fabrication of the float and other steel elements (piles, observation deck, vehicle access ramp, gangway).

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

Pier 26 Fireboat Berths



Excavation at Embarcadero (March 21, 2019)



Core Drilling at Sea Wall (March 27, 2019)



Set PG&E Transformer Vault (March 29, 2019)



New Concrete Sidewalk (April 4, 2019)

Design services: COWI North America

Contractor: Vortex Marine Construction

Percentage complete (as of 12/31/2018): 97%

Construction completed by Vortex Marine Construction on March 14, 2017, except for fencing and electrical work. The safety railings and security fencing and gates were installed in December 2018. The approved Substantial Completion and Final Completion dates are May 10, 2019 and June 9, 2019, respectively. Delays to construction are due to unforeseen conditions during excavation of the Embarcadero sidewalk, which required the relocation of two conduits. Additional delay due rain that prevented the placement of the concrete sidewalk, as scheduled. Contractor placed new PG&E transformer vault on March 29, 2019 and placed concrete sidewalk on April 3, 2019.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Comprehensive Projects:

Fire Station 3 & 7

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 the Comprehensive 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, since a complete rebuild is being considered as part of the ESER 2020 bond program.

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 upgrade 35 Fire Stations in these categories.

Design services are being provided by Public Works BDC Architecture, IDC Mechanical and IDC Structural for Roofing, Envelope, App Bay Door Replacement, Showers, Windows, and Sidewalk categories of Focused Scope. GHD, an as-needed electrical engineering consultant, is 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.

- 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 (Apparatus Bay Doors at FS 2, 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 purchased 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

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

was issued to DWN on 4.9.18. This project achieved Substantial Completion on December 10th, 2018, with Final Completion anticipated in early 2019.

- 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 project is complete.
- Package 4 Ancillary Work for 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 the 17 Fire Stations. In November and December, SFFD requested a reduced scope of work for this project. BBR completed all work at 10 stations, Fire Stations 9, 17, 20, 21, 22, 23, 26, 32, 44 and 42, on December 28, 2018.
- Package 5 (previously “package 4 TBD”)
The scope is to replace and install existing app bay doors with new overhead doors. Project Management obtained approval from the Deputy Director to proceed with procurement of a Master Contract for a Specialty JOC contractor for this work. Bids were received on 3/19/18. Certification of the Master Contract is underway, anticipated to be finalized in mid - 2019, with Work Orders to follow.

Roofs (10 Fire Stations):

All projects in the Focused Scope Roofing category have been completed.

- Package 1 (FS 3 - Roof/HVAC/Generator Replacement):
FS3 was completed and closed out on 6.13.18.
- Package 2 (FS 40 - Roof Replacement In-kind):
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). On 4.18.18, Roof Package 5 achieved Final Completion.

Showers (7 Fire Stations):

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

- Package 1 (FS 13, 20, 22 & 34):
This project is closed out.

- Package 2 (FS 17, 19 & 33)
The scope is to renovate the existing showers at 3 stations. This project was bid on October 23, 2018, and a NOA was issued to Kushner General on 12.7.18. An NTP was issued to Kushner General on 2.1.19, and Substantial Completion is anticipated in July 2019.

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. BBR has refused work at FS 23 in this package, and BBR completed work at FS 20 in November 2018. BBR is providing updated cost proposals for FS 8 & 29, and is anticipated to start and finish work by October 2019. A JOC will be procured for work at FS 23.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

- Package 2 (FS 24 & 34):
This project is on hold until late 2019.
- 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 will be folded into the Seismic Hose Tower Removal project, a project that is anticipated to bid in mid - 2020.
- Package 4 (FS 22):
The scope includes new 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. Notice to Proceed was issued to Argo Construction on 5.14.18. This project achieved Substantially Completion on September 28, 2018, one month earlier than the contractual date. This project achieved Final Completion on 11.27.18.



FS 22 Exterior Envelope, new roof

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

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

during site walks with BBR in 2019, 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 with a new generator and fuel tank to meet SFFD's 72 hour emergency run time protocol. On March 31, 2018, GHD Engineering completed construction documents for this project, and on 5.30.18, Planning issued a Cat Ex. This project was submitted to DBI for permit by BDC on July 8, 2018. A permit was procured on November 28, 2018. A bid opening is scheduled for 4/10/19.
- Additional Generator Replacement at FS 2
The scope of work will consist of replacement of an existing roof top generator with a new generator and fuel tank to meet SFFD's 72 hour emergency run time protocol, upgrades to the roof structure, and installation of a new fuel fill port. GHD Engineering was issued a design NTP on April 5, 2018. GHD submitted 90% CDs to BDC for coordination on 9.30.18. On 11.19.18, Planning issued a CEQA Categorical Exemption, and on 2.14.19, BDC submitted plans to DBI to procure a permit.
- Additional Generator Replacement at FS19
The scope of work will consist of replacement of an existing generator with a new generator and fuel tank to meet SFFD's 72 hour emergency run time protocol. In addition, GHD has recommended the replacement of secondary power infrastructure components including existing elect, switch board, transfer switch, distribution panel board, and new feeders. A design NTP was issued to GHD on August 7, 2018. PUC and PG&E have completed review of the design, On 1.28.19, Planning issued a CEQA Categorical Exemption, and on 3.18.19, BDC submitted plans to DBI to procure a permit.

Sidewalks/Slabs

All projects in the Focused Scope Sidewalk category have been completed.

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

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

- 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 ensure the safety and security of personnel, apparatus and equipment at all fire stations by providing 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 11 Fire Stations are remaining. A Job Order Contract (JOC) bid was submitted in March 2019, and negotiated by Project Management. Contracts is expected to issue a Work Order in Mid - 2019.

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.

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

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

become available after EMS is relocated. Therefore, further work on the BOE Facility project is deferred to a subsequent bond program to be determined.

Emergency Firefighting Water System

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

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. Ingleside Pipeline – Install new 20” Auxiliary Water Supply System (AWSS) pipe from existing Ocean Avenue AWSS pipe towards Lake Merced. This project is postponed until funding is available.
2. Lake Merced Pipeline – Install new 20” AWSS pipe from Lake Merced Pump Station to Vidal Drive / Higuera Avenue intersection. Design completion 10/2019.
3. Westside Potable AWSS Pipeline – Install new Potable AWSS pipeline in Richmond and Sunset areas. Planning completion 5/2019.
4. University Mound Pipeline – Install new 20” AWSS pipe from University Mound Reservoir to the existing 20” AWSS pipe at Third Street and Salinas Avenue. This project is postponed until funding is available.

Construction

1. 19th Avenue Pipeline – Install new 20” Auxiliary Water Supply System (AWSS) pipe on 19th Avenue from Irving Street to Kirkham Street as part of Public Works’ 19th Avenue Roadway Improvements, Contract 2652J. Bid advertisement 4/2019.
2. Terry Francois Blvd/Mission Rock/South Street Pipeline – Install new 20” AWSS pipe on Terry Francois Blvd from Mission Rock Street to South Street as part of SFPUC contract DB-129.1. Bid advertisement 7/2019.
3. 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. AWSS construction completion 7/2019.
4. Clarendon Supply – Provide a new AWSS water supply and pipe near the crest of Clarendon Avenue at Dellbrook Avenue. Bid advertisement 7/2019.
5. 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 3/2019.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

6. Mariposa/Terry Francois Boulevard AWSS Pipeline – Install new 12” and 20” AWSS pipe on Mariposa and Terry Francois Boulevard as part of SFPUC contract DB-128R2. Construction completion 5/2019.
7. Pumping Station 1 – Install new diesel engines for seawater pumps. Final completion 4/2019.
8. Pumping Station 2 – Improve the building structure’s seismic performance. Construction completion 4/2020.
9. Street Valve Motorization – Motorize street valves on AWSS pipelines for improved water flow control. Construction completion 12/2019.

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

Office of the Chief Medical Examiner (OCME)



Project Description: The project will relocate the 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.

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:

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.

Project is complete and the facility is occupied.

Project Budget: Project Cost, inclusive of all change orders to date, tracked to within the Total Project Budget of \$75M (GO Bonds and general funds).

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

Traffic Company & Forensic Services Division (ESER 2014)



Aerial Photo of 1995 Evans Avenue Post-Demolition (2018)

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 100,000 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

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

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:

DBI issued the Demolition Permit on May 8, 2018. Additional existing below grade foundation remains were discovered in July, August and September delaying completion of demolition until the fourth quarter of 2018. The Site Permit application was submitted to DBI on December 21, 2017 and was issued on December 5, 2018, inclusive of the various approvals required from Planning, DBI, SFFD, DPH and BSM. A five month review duration was anticipated to obtain the Site Permit, which took nearly 12 months, resulting in further delay to subcontractor procurement and construction activities. Attempts to mitigate these delays include a commitment from DBI to assist in expediting the permit addendum schedule. Some success has been realized, with the deep foundation addendum S1 submitted to DBI on December 14, 2018 and issued by DBI on April 3, 2019. The foundation and superstructure addendum S2 was submitted to DBI on March 7, 2019.

Clark Construction was selected to be the Construction Manager/General Contractor (CM/GC) through a competitive solicitation in July 2017. Clark leads 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. Their Pre-construction initial estimate in January 2018 reported a nearly \$30M over budget amount. Cost reduction efforts were presented to the Capital Planning Committee (CPC) on April 30, 2018. The presentation described that after two separate value-engineering (cost reduction) efforts yielding reductions of \$12.35M + \$14.3M without diminishing adversely the integrity of the program, and inclusive of additional bond generated funding of \$8.7M made available to the TCFSD, the \$6.65M budget deficit remained. When factoring appropriate contingency to this \$6.65 million budget deficit, it has produced an \$8.65 million deficit in funding. The resulting outcome of the CPC meeting, Capital Planning staff directed the ESER Program Manager to suspend four (4) ESER 2014 projects – 2 police and 2 fire – to approximate the \$8.645M. These projects will remain suspended until such time as the trade bid packages are largely bought-out and the true TCFSD budget deficit understood.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

The Executive architect issued 100% Design Development on November 16, 2018, with an update to the previously issued criteria documents. Bids from the CM/GC's Core Trade Subcontractors will be obtained from these documents and are being finalized as of late March 2019. Bids for fire protection and deep foundation will be received in April 2019 with RFPs for additional trades, principally structural steel to follow. Construction is expected to start in spring of 2019 with pile driving activities. Substantial completion is scheduled for summer 2021 and Final Completion for fall 2021.

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 November 30, 2017
- Indicator Pile Program construction Services NTP May/June 2019
- New building construction Services NTP August/September 2019
- Substantial Completion August/September 2021
- Final Completion October 2021

Police Facilities (ESER 2014)

Component 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.

The following is a detailed status per project:

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.

NEW FIREARMS SIMULATOR TRAINING FACILITY at Lake Merced

This project is completed, there are no updates.

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

NORTHERN, RICHMOND, TARAVAL POLICE STATION RENOVATION PROJECT

NORTHERN POLICE STATION

All work is completed at this site.



Finished roof.



Exterior stucco wall patched, repaired, and painted.

TARAVAL POLICE STATION

All work is completed at this site.

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

RICHMOND POLICE STATION



New roof-top supply fan.

The following was completed at Richmond Station:

1. New roof-top supply fan for new generator and fuel tank was installed.
2. New generator and fuel tank pending final sign-off from Fire Marshal.

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

PARK and INGLESIDE POLICE STATION RENOVATION

PARK STATION



New AC unit installed on roof.



New generator and belly tank.



New concrete footing at back of building.



The following was completed at Park Station:

1. New AC unit installed on roof.
2. Duct cleaning is 100% completed.
3. Existing generator has been decommissioned and removed from site; new generator has been installed.
4. Structural scope is 70% completed, formwork and rebar is in progress, and some new footings have been poured.

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

INGLESIDE STATION



New generator and belly tank.



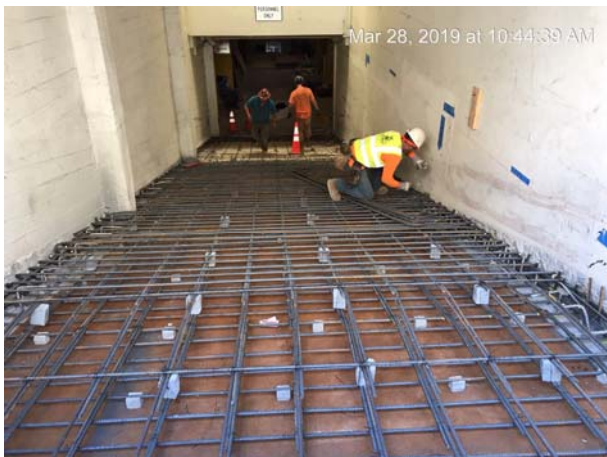
Rafter tail replacement.

The following was completed at Ingleside Station:

1. Rafter tail replacement is 70% completed.
2. Existing generator has been decommissioned and removed from site; new generator has been installed.
3. New steel support for HVAC equipment has been installed.
4. Duct cleaning is 20% completed.

MEP PACKAGE 2 (BAYVIEW, TENDERLOIN)

TENDERLOIN STATION

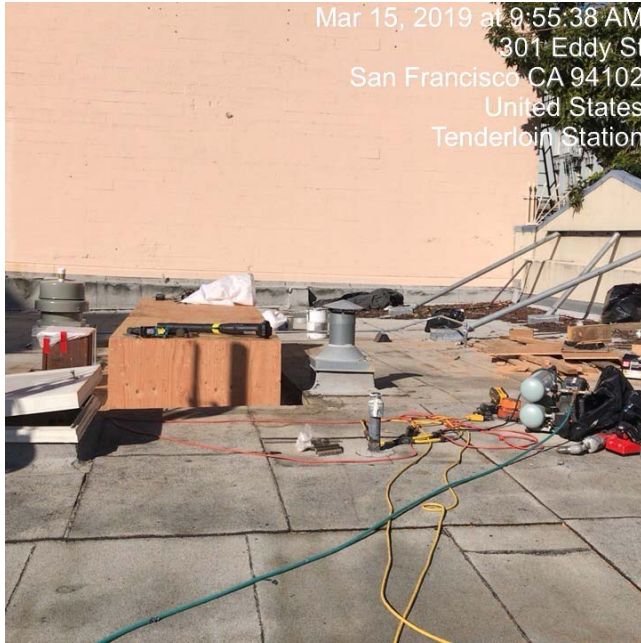


Formwork and rebar for new concrete ramp.



Rebar and dowel for new ramp.

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



New curb for VRV unit.



Finishing sewer upgrade on Eddy St.

The following was completed at Tenderloin Station:

1. Plumbing and sewer repair and upgrade is completed.
2. New concrete wall and footing for new ramp is poured; formwork and rebar for new concrete ramp is completed; new ramp to be poured in April 2019.
3. Roof curbs for new roof-top VRV and CU have been constructed, pending installing of new VRV and CU.
4. Generator permit is approved by DBI.

BAYVIEW STATION

The following was completed at Bayview Station:

1. Duct cleaning is 95% completed.
2. New exhaust fans (total 7) have been installed; new VAV boxes (total 5) have been installed; new AC unit installed in Telecom Rm.
3. Generator permit has been approved by DBI.
4. Demolishing of existing chiller and air handler unit is under progress.

POLICE ACADEMY RENOVATION

This project is still on-hold until May/June 2019 per CPC.

MISSION POLICE STATION RENOVATION

This project is still on-hold until May/June 2019 per CPC.

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 \$415,372,929 which includes interest-earned. The following is a summary of the budget and appropriation per component:

Bond Components and Projects	Bond Authorized Amount	Revised Budget (ii)	Appropriations	Expenditures	Encumbrances	Balances	Expenditures/ Appropriations
Public Safety Building (PSB) (iii)	239,000,000	236,661,975	236,661,975	228,815,421	0	7,846,554	97%
Neighborhood Fire Stations (NFS)	64,000,000	66,906,313	66,906,313	63,351,914	1,233,849	2,320,550	95%
Auxiliary Water Supply System (AWSS)	102,400,000	102,400,001	102,400,001	84,989,150	12,558,792	4,852,059	83%
Oversight, Accountability & Cost of Issuance	6,900,000	2,545,864	2,545,864	2,019,724		526,140	79%
Public Works Program Reserve		2,443,743	2,443,743			2,443,743	0%
Appropriated Unallocated Interest		4,415,033	4,415,033			4,415,033	0%
TOTAL (i)	412,300,000	415,372,929	415,372,929	379,176,209	13,792,641	22,404,079	91%

(i) PeopleSoft financial data thru Q3 FY2019

(ii) Revised budgets based on PeopleSoft appropriations; data subject to change per clean-up efforts

(iii) Estimated savings included in project balance

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

Expenditures and Encumbrances

The ESER 2010 expenditures and encumbrances are \$379,176,209 and \$13,792,641 respectively. Expenditures represent 91% of the total appropriations.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

ESER 2014

The ESER 2014 budget is \$400,000,000 and the total appropriation is \$397,988,157, including a savings from the cost of issuance currently allocated within program components. The following is a summary of the budget and appropriation per component:

Bond Components and Projects	Bond Authorized Amount	Revised Budget (ii)	Appropriations	Expenditures	Encumbrances	Balances	Expenditures/ Appropriations
Office of the Chief Medical Examiner (OCME)	63,895,000	67,533,024	67,533,024	67,352,179	409,439	-228,594	100%
Traffic Company & Forensic Services Division (TC/FSD)	162,195,000	163,375,150	163,375,150	32,811,605	8,087,789	122,475,756	20%
Police Facilities (PF)	29,490,000	29,645,661	29,645,661	17,677,860	4,797,398	7,170,403	60%
Neighborhood Fire Station (NFS)	83,555,000	80,351,381	80,351,381	23,327,690	25,214,568	31,809,123	29%
Emergency Firefighting Water System (EFWS)	54,065,000	54,347,209	54,347,209	19,987,958	10,089,262	24,269,989	37%
Oversight, Accountability & Cost of Issuance	6,800,000	2,284,545	2,284,545	1,434,045	0	850,500	63%
Public Works Program Reserve		451,187	451,187			451,187	0%
TOTAL (i)	400,000,000	397,988,157	397,988,157	162,591,337	48,598,456	186,798,364	41%

(i) PeopleSoft financial data thru Q3 FY2019

(ii) Revised budgets based on PeopleSoft appropriations; data subject to change per clean-up efforts

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

Expenditures and Encumbrances

The ESER 2014 expenditures and encumbrances are \$162,591,337 and \$48,598,456 respectively. The expenditures represent 41% of the total appropriations.

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

Attachment 1 – Contact Information



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Public Utilities Commission					
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Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

