



Earthquake Safety and Emergency Response Bond Program 2010 & 2014

Quarterly Status Report September 2017

Edwin M. Lee
Mayor

Mohammed Nuru
Director

Edgar Lopez
Deputy Director
and City Architect

Building Design & Construction
30 Van Ness Ave., 4th floor
San Francisco, CA 94102
tel 415-557-4700

sfpublicworks.org
[facebook.com/sfpublicworks](https://www.facebook.com/sfpublicworks)
twitter.com/sfpublicworks

OCME SE Building view from OCME SE Building view from Jennings



FS 5 Drilling and Placement of Micropiles

FS 16 Placement of Shotcrete at East Wall

Prepared for the:

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

Submitted by
Charles Higuera, FAIA
Program Manager

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

Table of Contents

Table of Contents.....	1
Executive Summary	1
ESER 2010.....	1
ESER 2014.....	3
Program Summary and Status	6
Public Safety Building	6
Neighborhood Fire Stations (ESER 2010)	8
Neighborhood Fire Stations (ESER 2014)	14
Emergency Firefighting Water System	21
Office of the Chief Medical Examiner (OCME) (ESER 2014)	25
Traffic Company & Forensic Services Division (ESER 2014)	28
Police Facilities	30
Budget, Funding and Expenditures	34
ESER 2010.....	34
ESER 2014.....	35
Attachment 1 – Contact Information	
Attachment 2 – Financial Summary	
Attachment 3 – Gantt Chart	

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.

Neighborhood Fire Stations & Support Facilities

Seismic Projects: Station 16 and Station 5

Station 16: Notice to Proceed was issued to Roebuck Construction on August 22, 2016. Demolition of station began on October 11, 2016 and is complete. Shoring and underpinning of adjacent properties occurred as scheduled during the months of March and April 2017. Foundation and column concrete formwork and pours proceeded during the months of May and June 2017. Concrete column and wall installation continued in July and August 2017. Underground utilities and ground floor slab placement followed in September 2017.

Station 5: Station and Hose Tower demolition and underground fuel tank removal proceeded as scheduled in May and June 2017. Shoring and Mass excavation and recompaction of native soil occurred during July 2017. Footing shoring, excavation and formwork proceeded in August and September 2017.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Comprehensive Projects: Station 36

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

Focused Scope Projects

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

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

Additional Focused Scope Projects

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

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

Construction continued for Cisterns F (WD-2747), and Pumping Station 1 (WD-2686) contracts. The Cisterns E (WD-2746) contract is at final completion. Pumping Station 2 (WD-2687R) construction contract was awarded.

Budget

To date, the ESER 2010 has received the proceeds of six bond sales totaling \$412,300,000. The expenditures through June 2017 are \$344,581,279 of which \$228,617,073 is for the Public Safety Building; \$36,282,260 is for the Neighborhood Fire Stations; \$76,368,674 is for the Auxiliary Water Supply System; and \$3,313,271 is for Bond Cost of Issuance, Bond oversight and accountability expenses. The expenditures are through June 30, 2017 due to the City wide financial system transition. The breakdown of the proceeds received to-date is discussed in the [Budget, Funding and Expenditures](#) section of this report.

Executive Summary

ESER 2014

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

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

Office of the Chief Medical Examiner

KMD Architects are providing A/E services.

Clark Construction is providing CM/GC services for the OCME project. Final Completion is scheduled at the end of October 2017.

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

Safety – no reportable accidents.

The project is anticipated to achieve LEED Gold certification.

Traffic Company & Forensic Services Division

HOK Architects are providing A/E services.

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

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

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

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

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, is anticipated for October 2017.

The project is obliged to LEED Gold certification.

Neighborhood Fire Stations

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

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

New Fireboat Station 35 – RFP was issued to the five pre-qualified proposers on February 2, 2017. Three proposers participated in the RFP Step 1 Design Competition, which was evaluated on March 23, 2017. Shortlist notification was issued on March 31, inviting the two highest scoring teams to participate in RFP Step 2. One responsive proposal was received in response to RFP Step 2 on May 31, from Swinerton-Power, a Joint Venture. Public Works awarded the contract for Design-Build Services to Swinerton-Power on August 2.

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, 2017, except for fencing and electrical work. The fencing design was approved by SF Port and will be installed when the contractor returns to the site for the electrical work. Electrical design review comments were received by PG&E in June 2017. Contractor is proceeding with ordering long-lead electrical components.

Police Facilities

ADA Package 1: Construction Completed.

ADA Package 2: Construction Completed.

Northern, Richmond, and Taraval Police Station Renovation: Issued NTP on 7/28/2017.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Ingleside Station Renovation: Project was combined with Park Police Station Renovation Project and advertised in August 2017; (3) bids were received.

Park Police Station Renovation: See above under “Ingleside Station Renovation”.

New Firearms Simulator Training Facility: Coastal Zone Permit was approved by Planning Department in September; the General Plan Referral was determined to be unnecessary by Planning Department.

Police Academy Renovation Project: EEA was submitted to Planning Department in August; 90% design documents were completed in September.

MEP Package 2: EEA was submitted to Planning Department in August; 90% design was completed in September.

Mission Station Renovation: Design began in July and a structural scoping document was completed, the document is equivalent to 35% design level.

Emergency Firefighting Water System

The Mariposa/Terry Francois Boulevard AWSS Pipeline Project was initiated. Irving Street notice-to-proceed was issued.

Budget

The ESER 2014 budget is \$400,000,000 with an authorized appropriation \$210,251,181. The expenditures through June 2017 are \$103,597,419 of which \$57,943,296 is for the Office of the Chief Medical Examiner; \$23,178,512 is for the Traffic Company & Forensic Services Division; \$6,329,113 is for the Police Facilities; \$10,052,443 is for the Neighborhood Fire Stations; \$4,214,793 is for Emergency Firefighting Water System (EFWS); and \$1,879,260 is for Oversight, Accountability & Cost of Issuance. The expenditures are through June 30, 2017 due to the City wide financial system transition.

The breakdown of the proceeds received is discussed in the [Budget, Funding and Expenditures](#) section of this report.

Other Information

For more information, visit the ESER web site at www.sfearthquakesafety.org.

Program Summary and Status

Public Safety Building (ESER 2010)



Photo © Tim Griffith, 2015

Location: Block 8 in the Mission Bay South Redevelopment Area. The block is bounded by Mission Rock, Third, and China Basin Streets.

Project Description: The Public Safety Building (PSB) is meant to provide a new venue for the SFPD Headquarters – effectively the command and control administration of the City’s police department-including the relocation of Southern District Station and a new Mission Bay Fire Station. Included in the project is the reuse of Fire Station #30, which will serve as a multi-purpose facility for the Fire Department and the community. Historic resource consultants have determined that the existing fire station is eligible for the National Register of Historic Places. Consistent with the Mission Bay SEIR Addendum No. 7, Mitigation Measures, Item D.02, this facility will be retained and reused in a manner that preserves its historic integrity. The other components of the project will be designed to be respectful of the historic integrity of the existing fire station.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Both the Police Headquarters and the Southern District Police station are located at 850 Bryant also known as the Hall of Justice. This facility is over 50 years old and does not meet current seismic codes and requirements. In the event of a major earthquake, this building is not expected to be operational. The PSB will provide a new venue for these two police elements that are a part of a larger strategy to replace the Hall of Justice, established in the City's Capital Plan as the *Justice Facilities Improvement Program (JFIP)* Police Investigations and associated property and evidence storage will remain at the Hall until they are relocated.

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

Project Status:

HOK Architects as executive architect provided the A/E services.

Project Schedule:

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

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

Neighborhood Fire Stations (ESER 2010)

Project Description: The ESER bond will renovate or replace selected fire stations to provide improved safety and a healthy work environment for the firefighters. The selected stations are determined according to their importance for achieving the most effective delivery of fire suppression and emergency medical services possible.

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

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

For budget planning purposes, the assessment reports were reviewed by cost estimators who prepared estimates of the cost of correcting the conditions noted in the assessments. The cost estimates indicate only the overall "order of magnitude" of the various facility deficiencies and relative proportions of various types of work.

Preliminary assessment of the neighborhood fire stations indicate that the sum of all existing deficiencies would require a budget exceeding \$350M to correct, significantly more funds than are available in this bond for such purposes. Therefore, additional detailed planning is required to focus the expenditures of this bond towards the most beneficial and cost effective immediate rehabilitation and/or improvement projects.

A list of projects to be completed by the ESER 2010 bond was identified by Public Works and the Fire Administration, and accepted by the Fire Commission at their meeting of September 23, 2010.

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

Project Status:

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

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

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

Seismic Projects: Stations 16 and 5

Station 16:

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

Notice to Proceed was issued to Roebuck Construction on August 22, 2016. Underground utilities and ground floor concrete slab placement took place during the months of August and September 2017.



Fire Station 16 – 1st Floor Lower Level Concrete Slab (September 25, 2017)

Station 5:

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

Placement of permanent micropile and soils anchors is complete. Installation of formwork for concrete footings at perimeter and elevator pit is complete, and upon completion of concrete pour in these areas the temporary shoring system will be removed.

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

A budget revision increase to reflect the delay in project construction start due to the termination of the CM/GC contractor and the rebid of the low bid contract is complete. Refer to Appendix 2 – Time and Schedule.



Fire Station 5 – Drilling and Placement of Soil Micropiles (August 15, 2017)

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

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

Equipment Logistics Center (ELC):

The ELC project was identified after the passage of the bond – it was suggested as a project combining the Bureau of Equipment (BOE) and Emergency Medical Services (EMS). In this configuration, the sum total of functional program area makes it infeasible to occur at the current EMS venue at 1415 Evans; more significantly, the budget for such a project is not available within the ESER 2010 NFS funding.

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

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

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

Focused Scope Projects

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

Roofs – 15 Stations

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

Detail: All work is complete.

Exterior Envelope (BBR) – 16 Stations

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

Detail: All work is complete.

Emergency Generator Replacement – 5 Stations

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

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

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Detail: All work is complete.

Showers 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

Summary: Additional Focused Scope includes Apparatus Bay Door Replacement 8 Fire Stations (FS 8, 14, 18, 25, 28, 33, 39 & 43), Leak Repair at FS 31, and Headquarter Painting. In addition, in July 2017, SFFD requested that 10 Fire Stations receive Additional Generator Replacement: (by SFFD priority: FS 2, 18, 37, 44, 23, 19, 24, 26, 13 and 7).

Detail: Project Management will procure the services of an AE by end of 2017 to develop a needs scope at each Fire Station to determine the budget feasibility of providing some or

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

all of the Generator Replacements at 10 Fire Stations. Project Management will procure the services of a JOC contractor by fall of 2017 to repair the leak at FS 31, and Project Management is working with Contract Administration to procure a JOC for the Apparatus Bay Door Replacement at 8 Fire Stations. Headquarter Painting was Substantially Completed by BBR on 9.5.17, and Final Completion is expected on 10.20.17.

Historic Evaluation and Environmental Review

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

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

Project Budget:

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

Neighborhood Fire Stations (ESER 2014)



FS 3 Roofing, HVAC, and Generator Replacement

Projects' Description:

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

Project Status:

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

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

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

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Seismic Projects:

Fire Boat Station 35

Notice of Award for Design-Build Services was awarded to Swinerton-Power on August 2, 2017 and the Notice to Proceed (NTP) is to be issued the week of October 9, 2017. Preliminary staff meetings with the regulatory authorities of BCDC and the Army Corps of Engineers as well as the first public informational meeting, are anticipated in October 2017.

Pier 26 Fire Boat Berths

Design services are being provided by COWI Engineering.

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

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.

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

Apparatus Bay Doors: Design has been completed by Public Works BDC Architecture for the Apparatus Bay Door Replacement projects at 33 fire stations.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

- Package 1 (FS 15; including Ancillary Work)
Project achieved final completion on 11/7/2016.
- Package 2 Ancillary (not used; grouped with Package 4)
Ancillary work is now tracked under "Package 4".
- Package 3 App Bay Door Replacement (Telescoping doors at FS 2, 3, 11, 13, 19, 24, 31, 34, 40, 41):
This project bid on August 30, 2017, resulting in a responsive low bid from DW Nicholson for \$1,065,414. A NTP is expected from PW contract administration in mid - November.
- 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, and BBR will commence with the ancillary work, tentatively in mid to end of November 2017, pending an approved service order by accounting.
- Package 5 & 6 (previously "package 4 TBD")
Twenty Five Fire Stations are impacted by these 2 packages. The scope is to replace and install new overhead app bay doors at (8) Fire Stations (FS 8, 14, 18, 25, 28, 33, 39, and 43), and to replace and install existing app bay doors with new 4-Fold doors at (17) Fire Stations (FS 6, 9, 10, 11, 12, 14, 17, 20, 21, 22, 23, 26, 32, 37, 38, 42, 44), comprising all remaining scope of work under App Bay Door Replacement category in the Focused Scope program. Project Management is working with Contract Administration to prepare two JOC Invitations to Bid for advertisement in late 2017. 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

- 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 close-out.
- Package 2 (FS 40 - Roof Replacement In-kind):

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

The scope calls for replacing the roof in-kind at Station 40. Project closed out.

- Package 3 (FS 3 & 17 immediate repair):
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 (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.

Showers

- 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 November-December 2017.

Windows: 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):

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

FS 14, 37 and 43 are completed. BBR commenced work on FS 43 on 3/15/17 and completed work by 5/1/17. FS 33 is the final window project in the Focused Scope Program. Project management approved FS33 proposal at fiscal year-end but due to the City wide financial system transition, funding the project was delayed. FS 33 will commence in December 2017 and be completed by year end 2017.

- Package 6 (FS 11, 12 & 23):
Package 6 is closed-out.

Exterior Envelope

- Package 1 (FS 8, 20, 23 & 29):
The scope includes power wash and new paint to exterior facade of the stations. BBR was selected to perform the work per SFFD direction. SFFD directed Public Works on 4/25/16 to put FS 8 Exterior Envelope on hold until the commercial mid-rise building that is under construction currently adjacent to FS 8 is complete which may delay the commencement of work at FS 8 until spring 2018. FS 20, 23 & 29 are on hold until Pkg 5 Roof Replacement project is substantially complete, fall of 2017, and winter rains subside and spring 2018 weather allows for the work to commence.
- Package 2 (FS 24 & 34):
The scope of work consists of historic restoration of select exterior façade elements including brick re-pointing and limited replacement, lintel repair and re-coating, replacement of damaged glazing, repainting of stucco in select areas, replacement of parapet finishes (FS 24 only). The Historical Conservation Consultant provided review and recommendations for BDC Architecture's design and repairs of the brickwork and windows. CEQA is complete and plans were submitted to DBI for permitting at the end of September.
- Package 3 (FS 11):
The scope of work includes repair deficiencies at the exterior envelope, power wash all surfaces, and prepare substrates required to receive new paint at the exterior façade. This project is on hold until the seismic hose tower removal project is complete at this station. No work shall proceed until further notice.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

- Package 4 (FS 22):
The scope includes roofing, exterior envelope, waterproofing, and window repairs. BDC Architecture has completed 90% CDs incorporating the waterproofing consultant's recommendations. This project The CatEx was provided Planning, and the project was permitted in July of 2017. The Invitation to Bid is anticipated to advertise November/ December. Because this project includes re-roofing, work will commence in spring 2018, during optimal weather for re-roofing projects.

Mechanical

- 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. 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 2018

Emergency Generators

- Package 1 (FS 31, 14, 24, & 37):
The scope is to replace the existing emergency generator and ancillary work at FS 31, and repair housing and vent on 14, 24 & 37. PM review and procurement of as-needed AEs is underway.
- Package 2 (FS 14), Package 3 (FS 24), and Package 4 (FS 37) :
Stations combined with Package 1.

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.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Access Control Systems

- 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.

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

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

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

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

Emergency Firefighting Water System



Laguna Honda Hospital cistern



18th Avenue & Moraga Street cistern



5th Avenue & Cabrillo Street cistern

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Emergency Firefighting Water System

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

Program Background: The Emergency Firefighting Water System is vital for protecting against the loss of life, homes, and businesses from fire following an earthquake. It is also used for the suppression of non-earthquake multiple-alarm fires.

Status:

Design services are being provided by Public Works IDC in combination with the SFPUC.

Planning and Design

1. 19th Avenue Pipeline – Install new 20” Auxiliary Water Supply System (AWSS) pipe on 19th Avenue from Irving Street to Kirkham Street as part of Public Works’ 19th Avenue Roadway Improvements, Contract 2652J. Bid advertisement 10/2017.
2. Clarendon Supply – Provide a new AWSS water supply and pipe near the crest of Clarendon Avenue at Dellbrook Avenue. Design completion 3/2018. Work to be included in the pending Street Valve Motorization contract.
3. Fireboat Manifold – Install new fireboat manifold and pipeline at Fort Mason Pier 2. Planning completion 2/2018.
4. Ingleside Pipeline – Install new 20” AWSS pipe from Ocean Avenue towards Lake Merced. Alternatives analysis report completion 10/2017.
5. Lake Merced Pipeline– Install new 20” AWSS pipe from Lake Merced Pump Station to Vidal Drive / Higuera Avenue intersection. Conceptual engineering report completion 2/2018.
6. Pipeline Investigation and Remediation – Assess the 135-mile AWSS pipeline network condition using field investigations and probabilistic analysis. Recommend a long-term pipeline repair, replacement, and abandonment capital plan. Completed 7/2017.
7. Sunset Pipeline – Install new potable co-benefits pipeline from Sunset Reservoir. Planning completion 12/2017.
8. 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.
9. University Mound Pump – Install new pump at University Mound Reservoir in conjunction with the University Mound Pipeline project. Conceptual engineering report completion 12/2017.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Construction

1. Ashbury Bypass Pipeline – Install new 20” AWSS pipe near Ashbury Heights Tank as part of Public Works’ Clayton St, Clipper St, and Portola Dr. Pavement Renovation, Sewer Replacement and Water Installation, Contract 2500J. Bids due 10/2017.
2. Cisterns – See following table.
3. Control System – Improve the AWSS control and telecommunications systems. Completion 12/2017.
4. Irving Street Pipeline – Install new 20” AWSS pipe on Irving Street from 7th Avenue to 19th Avenue as part of Public Works’ Irving Streetscape & MUNI Forward, Contract 2541J. Notice-to-Proceed issued 8/2017.
5. Mariposa/Terry Francois Boulevard – Notice-to-Proceed expected 10/2017.
6. Pumping Station 1 – Install new diesel engines for seawater pumps. Substantial completion 12/2017.
7. Pumping Station 1 Tunnel – Install resilient inserts to improve Pumping Station 1 seawater tunnel seismic performance. Bid and award pending.
8. Pumping Station 2 – Improve the building structure’s seismic performance. Contract awarded 9/2017.
9. Street Valve Motorization – Motorize street valves on AWSS pipelines for improved water flow control. Bid advertisement expected 4/2018. Contract to include Clarendon Supply project.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Cisterns

Cisterns E (WD-2746) construction is substantially completed and Cisterns F (WD-2747) construction continued. Twenty-six of the thirty planned cisterns are functional.

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

Office of the Chief Medical Examiner (OCME)

(ESER 2014)



Project Description: The \$65M project will relocate Office of the Chief Medical Examiner (OCME) to One Newhall Street in the India Basin Industrial Park. The new facility will house about 50 employees who are organized into the four units of the OCME: Field Investigations, Medical/Autopsy, Laboratory, and Administration.

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

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

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

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Project Status:

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

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

Vanir/Saylor, JV is in the **Construction Management Supplemental Service (CMSS)** role, and has been providing numerous services including, but not limited to, change order reviews, review of construction schedules, participation in OAC meetings, review and analysis of budget, drawings, FF&E list, etc.

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
 - Final Completion October 26, 2017
- Move-in October – November 2017
- Completed construction from NTP – 98%

LOCAL HIRING

- Total Work Hours – 30% requirement
- Actual – 26.95%
- Apprentice Work Hours – 50% requirement
- Actual – 44.57%

Both local hiring requirements are projected to be met or exceeded based on the implementation of the corrective actions such as hiring a member of ABU (Helix), hiring from two sheet metal workers (Control Air), applying some of the local hire labor hours from other San Francisco projects (Conco), and in one case obtaining a waiver (Anning-Johnson).

LBE Participation

- LBE Goal – 20%
- Total LBE Commitment is 26.54%

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

- Invoiced Amount through August – 25.54%

SAFETY

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

PARTNERING

- Final Session #7 was held on April 28, 2017



L2 - Installing Refrigerator @ Room 223 (left), and L1 Tele-Com wiring @ Autopsy (right)

Traffic Company & Forensic Services Division (ESER 2014)

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

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

Project Background: The SFPD Traffic Company is currently located at the Hall of Justice (HOJ) at 850 Bryant Street. The SFPD FSD is currently located at two facilities. The FSD Administration, Crime Scene Investigations, and Identification units, with approximately 60 employees, are housed at HOJ. The FSD Crime Lab, with approximately 25 employees, is housed at Building 606 in the Hunters Point Shipyard.

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

The Hunters Point Shipyard is being transferred from the U.S. Navy to the City. The City plans to develop the Shipyard as a residential area. The area in which Building 606 is located is planned to be public open space as an amenity for nearby residences. Prior to the transfer of the property, the Navy is obligated to remove and mitigate hazardous materials in the soil. To fulfill that obligation, the Navy may have to demolish Building 606.

Project Status:

HOK Architects as executive architect is providing the A/E services.

Clark Construction Group after a process of solicitation/bid is the selected CM/GC who will lead the CM/GC Team comprised of design-build Core Trade Subcontractors, specifically: *C/S Erectors* for the exterior building envelope, *Southland Industries* for mechanical and plumbing, and *Rosendin Electric* for electrical. The notice to proceed to the CM/GC Team for pre-construction services will coincide with HOK's start of the Design Development phase, expected to begin in October 2017.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Azul Works, after a process of solicitation/bid, will under contract apart from Clark Construction Group, deliver on the required hazardous materials abatement and demolition of the existing facilities at 1995 Evans Avenue. The notice to proceed to Azul Works is also anticipated for October 2017, however a delay in vacating the 1995 Evans Avenue facility (until completion of the Central Shops facility on Jerrold Avenue) will also delay the start of the abatement work until mid to late November 2017. Abatement is anticipated to require a one month duration followed by approximately three months of demolition.

Police Facilities (ESER 2014)

Projects' Description:

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

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

Budget:

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

Projects' Status

ADA PACKAGE 1

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

ADA PACKAGE 2

The project addresses accessibility issues at the following stations: Ingleside, Park, Taraval, Richmond, and Police Academy. Construction is completed, 95% of remaining punchlist work was completed. A total of \$87,772 was approved as change order. Public Works is working with the General Contractor to close out the contract and make final payments.

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



Park Police Station (ADA Package 2)



Ingleside Police Station (ADA Package 2)



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

Public Works issued an NTP for the contract on July 28, 2017, with a construction duration of 300 calendar days for substantial completion. Public Works continues to work with MH

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Construction (project GC) to review pre-construction submittals, project schedule, and schedule of value. Mobilization is anticipated in October/November of 2017.

NEW FIREARMS SIMULATOR TRAINING FACILITY

Package #1: Demo existing trailer

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

Package #2: Modular Building

The modular building was fabricated in Oregon, Portland. However, due to the delay experienced in obtaining construction permit for the site and utility package, the final destination for the building was not ready to receive the building, therefore the modular building was transported from Oregon to Dixon, CA in September. The temporary site in Dixon, CA is a secured location and owned by the modular builder. The building will be delivered to the project site when the site is ready.

Package #3: Site and Utility Improvement

The Coastal Zone Permit application was approved by Planning Department in September, the final building permit is anticipated to be received by October 2017.

The site and utility will be constructed by a JOC Contractor; an agreement package was signed for a total amount of \$266,397.74 with a construction duration of 90 calendar days. The construction cost is within budget.

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

The Ingleside and Park Station Renovation project was advertised under one contract, a total of 3 bids were received on September 06, 2017, bid results were as follows:

Wickman Development and Construction:	\$3,000,500
E.F. Brett and Company:	\$3,980,000
Roebuck Construction :	\$3,259,500

Wickman Construction was the lowest responsible bidder. However, Roebuck Construction filed a bid protest on 9/15/2017, which was 2 calendar days past the deadline to file bid protests. Public Works responded to Roebuck Construction's protest letter on 9/19/2017 to inform the contractor of the untimely protest.

Wickman Construction provided experience statements to verify the company and their major sub-contractors meet all experience and qualification requirements per specifications; CMD also verified that the bid meets LBE goals. Public Works Project Manager and CMD officer recommended the contract to be awarded to Wickman Construction.

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

POLICE ACADEMY RENOVATION

The Environmental Evaluation Application was submitted to the Planning Department in August. 90% design was completed in September and is currently being reviewed by an outside consultant to renew the 90% construction cost estimate. The project is ready to apply for a building permit once approval from Planning Department is received.

MEP PACKAGE 2 (BAYVIEW, TENDERLOIN, LAKE MERCED RANGE)

The Environmental Evaluation Application was submitted to the Planning Department in August. 90% design was completed in September and is currently being reviewed by an outside consultant to renew the 90% construction cost estimate. The project is ready to apply for a building permit once approval from Planning Department is received.

MISSION POLICE STATION RENOVATION

Public Works IDC Structural Engineer developed a scoping document for the structural alteration work at Mission Police Station to address moment frame connection deficiency issues. Structural testing was recommended by the structural engineer to understand the existing weld at the moment frame connections. Public Works is working with an outside consultant for perform the structural test.

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. The following is a summary of the budget and appropriation per component:

Components/Projects	Original Budget	Revised Budget (1)	GENERAL OBLIGATION BONDS				Encumbrance+ Expenditures / Revised Budget	Encumbrance+ Expenditures / Appropriation
			Appropriation	Expenditures	Encumbrance	Balance		
Public Safety Building (PSB)	239,000,000	236,661,976	236,661,976	228,617,073	311,224	7,733,679	97%	97%
Neighborhood Fire Stations (NFS)	64,000,000	71,067,175	66,906,318	36,282,260	22,425,258	8,198,800	83%	88%
Auxiliary Water Supply System (AWSS)	102,400,000	102,684,472	102,400,000	76,368,674	4,061,821	21,969,505	78%	79%
Oversight, Accountability & Cost of Issuance	6,900,000	4,006,906	3,965,935	3,313,271	175,433	477,231	87%	88%
Controller's Reserve		2,338,024	2,338,024	0	0	2,338,024	0%	0%
TOTAL	412,300,000	416,758,553	412,272,253	344,581,279	26,973,736	40,717,239	89%	90%

(1) Pending Approval

The revised budget and appropriation for PSB is \$236,661,976 of which all funding has been appropriated.

The revised budget for NFS is \$71,067,175. The appropriation will reflect the budget revision once it is approved.

The budget and appropriation for AWSS is \$102,684,472. The appropriation will reflect the budget revision once it is approved.

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 appropriation will reflect the budget revision once it is approved.

There is a Controller's Reserve for \$2,338,024 which reflects the savings from the PSB.

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 are \$344,581,279 and \$26,973,736 respectively. The combined totals represent 89% of the appropriation of and 90% 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 approved appropriation is \$210,251,174. The following is a summary of the budget and appropriation per component:

Components/Projects	Original Budget	Revised Budget (1)	GENERAL OBLIGATION BONDS				Encumbrance+ Expenditures / Revised Budget	Encumbrance+ Expenditures / Appropriation
			Appropriation	Expenditures	Encumbrance	Balance		
Office of the Chief Medical Examiner (OCME)	63,895,000	66,233,024	66,233,024	57,943,296	1,615,369	6,674,359	90%	90%
Traffic Control & Forensic Services Division (TC/FSD)	162,195,000	162,195,000	46,703,200	23,178,512	1,812,165	21,712,523	15%	54%
Police Facilities (PF)	29,490,000	29,490,000	17,077,654	6,329,113	4,577,444	6,171,096	37%	64%
Neighborhood Fire Station (NFS)	83,555,000	81,216,976	23,793,513	10,052,443	2,060,667	11,680,402	15%	51%
Emergency Firefighting Water System (EFWS)	54,065,000	54,065,000	54,065,000	4,214,793	1,463,504	48,386,704	11%	11%
Oversight/Accountability & Cost of Issuance	6,800,000	6,800,000	2,378,790	1,879,260	284,968	214,561	32%	91%
TOTAL	400,000,000	400,000,000	210,251,181	103,597,419	11,814,117	94,839,645	29%	55%

(1) Pending Approval

The OCME revised budget is \$66,233,024 of which all funding has been appropriated.

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

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

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

The Oversight, Accountability and Cost of Issuance budget is \$6,800,000 of which \$2,378,790 has been appropriated.

Expenditures and Encumbrances

Total expenditures and encumbrances through June 30, 2017 are \$103,597,419 and \$11,814,117 respectively. The combined totals represent 29% of the appropriation of and 55% 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 | sfpw.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@swater.org

Earthquake Safety and Emergency Response Bond Program

(ESER 2010 & 2014)

Attachment 2 – Financial Summary

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

Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures as of 06/30/2017									
Status	Project	Category	Baseline Budget	Revised Budget*	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
PUBLIC SAFETY BUILDING									
CLOSE-OUT	PUBLIC SAFETY BUILDING (CESER1 PS; 7400A & 7410A)	Soft Costs	44,066,886	(282,613)	43,784,273		43,405,973	208,906	169,394
		Construction	194,933,114	(2,055,408)	192,877,706		185,211,100	102,318	7,564,288
		Project Contingency	0	0	0		0	0	0
		Subtotal	239,000,000	(2,338,024)	236,661,979	0	228,617,073	311,224	7,733,682
NEIGHBORHOOD FIRE STATIONS									
COMPLETED	FOCUSED SCOPE Stations: 2, 6, 10, 12, 13, 15, 17, 18, 21, 25, 26, 28, 31, 32, 38, 40, 41, 42, 49 (CESER1 FS 31, 32, 34, 35, 36, 37, 39)	Soft Costs	3,028,431	(556,888)	2,471,543		2,471,543	0	0
		Construction	9,190,145	(944,474)	8,245,672		8,245,672	0	0
		Construction Contingency	0	0	0		0	0	0
		Subtotal	12,218,577	(1,501,361)	10,717,215	0	10,717,215	0	0
PLANNING	ADDITIONAL FOCUSED SCOPE Exterior Envelope HQ, Misc. FS 49; Additional projects TBD	Soft Costs		3,065,058	3,065,058		85,867	0	2,979,191
		Construction		0	0		0	0	0
		Construction Contingency		0	0		0	0	0
		Subtotal	0	3,065,058	3,065,058	0	85,867	0	2,979,191
PLANNING	ADDITIONAL FOCUSED SCOPE App Bay Doors	Soft Costs		2,338,025	2,338,025		0	0	2,338,025
		Construction		0	0		0	0	0
		Construction Contingency		0	0		0	0	0
		Subtotal	0	2,338,025	2,338,025	0	0	0	2,338,025
COMPLETED	COMPREHENSIVE: STATION 44 (CESER1 FS38; Job Order 7438A)	Soft Costs	263,255	116,904	380,159		380,157	0	2
		Construction	1,304,010	(303,197)	1,000,813		1,000,813	0	0
		Construction Contingency	0	0	0		0	0	0
		Subtotal	1,567,265	(186,294)	1,380,972	0	1,380,970	0	2
CLOSE-OUT	COMPREHENSIVE: STATION 36 (CESER1 FS27; Job Order 7427A)	Soft Costs	1,336,140	(141,755)	1,194,385		1,170,656	8,423	15,306
		Construction	3,161,311	1,229,604	4,390,915		4,390,914	0	1
		Construction Contingency	300,766	(98,766)	202,000		0	0	202,000
		Subtotal	4,798,217	989,083	5,787,300	0	5,561,570	8,423	217,307
CONSTRUCTION	SEISMIC: STATION 5 (New 2-story) (CESER1 FS40; Job Order 7440A)	Soft Costs	2,526,299	1,712,878	4,239,177		2,882,987	187,978	1,168,212
		Construction	10,313,908	4,943,348	15,257,256		1,221,967	14,005,220	30,069
		Construction Contingency	998,550	393,800	1,392,350		0	0	1,392,350
		Subtotal	13,838,757	7,050,026	20,888,783	0	4,104,954	14,193,198	2,590,631

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

Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures as of 06/30/2017									
Status	Project	Category	Baseline Budget	Revised Budget*	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
PLANNING	SEISMIC: STATION 9 UTILITY ISOLATION (CESER1 FS41; Job Order 7441A)	Soft Costs	80,000	0	80,000		0	0	80,000
		Construction	96,000	0	96,000				96,000
		Construction Contingency	24,000	0	24,000				24,000
		Subtotal	200,000	0	200,000	0	0	0	200,000
CONSTRUCTION	SEISMIC: STATION 16 (New 2-story) (CESER1 FS42; Job Order 7442A)	Soft Costs	1,802,919	1,964,554	3,767,473		2,857,197	59,249	851,028
		Construction	6,421,770	3,071,527	9,493,297		1,620,614	7,593,835	278,848
		Construction Contingency	616,968	347,332	964,300		0		964,300
		Subtotal	8,841,656	5,383,414	14,225,070	0	4,477,811	7,653,084	2,094,176
CEQA UNDER ESER 2014	NEW PIER FIRE BOAT HEADQUARTERS (CESER1 FS24; Job Order 7424A)	Soft Costs	4,133,301	(3,406,852)	726,450		258,820	430,392	37,238
		Construction	4,903,309	(4,903,309)	0		0		0
		Project Contingency	956,525	(956,525)	0				0
		Subtotal	9,993,136⁽¹⁾	(9,266,686)⁽¹⁾	726,450	0	258,820	430,392	37,238
PLANNING	EQUIPMENT LOGISTICS CENTER (CESER1 FS26; Job Order 7425A)	Soft Costs	589,000	(571,320)	17,680		8,179	0	9,501
		Construction							0
		Project Contingency							0
		Subtotal	589,000	(571,320)	17,680	0	8,179	0	9,501
	PROGRAM-WIDE SOFT COSTS & PROGRAM RESERVE (CESER1 FS20; CESER1 FS30 Job Orders 7420A; 7429A, 7430A)	Soft Costs	11,217,709	291,039	11,508,748		9,686,874	140,161	1,681,713
		Construction		0					0
		Program Reserve	735,682	(523,812)	211,870				211,870
		Subtotal	11,953,391	(232,773)	11,720,618	0	9,686,874	140,161	1,893,583
	NEIGHBORHOOD FIRE STATIONS SUMMARY (CESER1 FS)	Soft Costs	24,977,055	4,811,643	29,788,698	0	19,802,280	826,203	9,160,215
		Construction	35,390,454	3,093,499	38,483,953	0	16,479,980	21,599,055	404,918
		Project Contingency	3,632,490	(837,970)	2,794,520	0	0	0	2,794,520
		NFS GOB Proceeds	0	0	0	0	0	0	0
		Subtotal	64,000,000	7,067,173	71,067,171	0	36,282,260	22,425,258	12,359,653

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

Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures as of 06/30/2017									
Status	Project	Category	Baseline Budget	Revised Budget*	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
AUXILIARY WATER SUPPLY SYSTEM (AWSS)									
PRE-BOND PLANNING AND DEVELOPMENT									
Program	Pre-Bond Planning and Development	Soft Costs	1,316,964	0	1,316,964		1,316,964	0	0
		Construction	0	0	0		0	0	0
		Project Contingency		0				0	0
		Subtotal	1,316,964	0	1,316,964	0	1,316,964	0	0
AUXILIARY WATER SUPPLY SYSTEM (AWSS)									
Complete	Jones Street Tank	Soft Costs	2,438,589	103,037	2,541,626		2,518,123	0	23,503
		Construction	3,964,463	-85,354	3,879,109		3,879,109	0	0
		Project Contingency		0				0	0
		Subtotal	6,403,052	17,683	6,420,735	0	6,397,232	0	23,503
Complete	Ashbury Heights Tank	Soft Costs	1,414,827	-48,128	1,366,699		1,366,699	0	0
		Construction	3,316,960	-36,298	3,280,662		3,280,662	0	0
		Project Contingency		0				0	0
		Subtotal	4,731,787	-84,426	4,647,361	0	4,647,361	0	0
Complete	Twin Peaks Reservoir	Soft Costs	1,195,104	5,256	1,200,360	0	1,200,360	0	0
		Construction	1,459,927	-7,403	1,452,524		1,452,524	0	0
		Project Contingency		0				0	0
		Subtotal	2,655,031	-2,147	2,652,884	0	2,652,884	0	0
Bid & Award	Pump Station No. 2	Soft Costs	6,600,000	-509,542	6,090,458	0	4,335,496	132,041	1,622,921
		Construction	16,000,000	575,003	16,575,003		89,001	269,690	16,216,312
		Project Contingency		0				0	0
		Subtotal	22,600,000	65,461	22,665,461	0	4,424,497	401,731	17,839,233
Construction	Pump Station No. 1	Soft Costs	4,931,807	-674,755	4,257,052	0	4,342,097	86,843	-171,888
		Construction	9,018,714	398,844	9,417,558		8,744,579	659,136	13,843
		Project Contingency		0				0	0
		Subtotal	13,950,521	-275,911	13,674,610	0	13,086,676	745,979	-158,045

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

Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures as of 06/30/2017									
Status	Project	Category	Baseline Budget	Revised Budget*	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
Complete	FIREFIGHTING CISTERNS Contract No. 1	Soft Costs	508,057	0	508,057		508,057	0	0
		Construction	0	0	0		0	0	0
		Project Contingency	0	0					0
		Subtotal	508,057	0	508,057	0	508,057	0	0
Construction/Close out	New Cisterns	Soft Costs	10,092,176	-1,476,112	8,616,064	0	8,560,960	3,460	51,644
		Construction	24,509,682	2,660,431	27,170,113		24,474,128	2,600,258	95,727
		Project Contingency	0	0					0
		Subtotal	34,601,858	1,184,319	35,786,177	0	33,035,088	2,603,718	147,371
Complete	Contract No. 3	Soft Costs	50,718	0	50,718		50,718	0	0
		Construction	0	0	0		0	0	0
		Project Contingency	0	0					0
		Subtotal	50,718	0	50,718	0	50,718	0	0
Complete	Contract No. 4	Soft Costs	124,191	0	124,191		124,191	0	0
		Construction	0	0	0		0	0	0
		Project Contingency	0	0					0
		Subtotal	124,191	0	124,191	0	124,191	0	0

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

Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures as of 06/30/2017									
Status	Project	Category	Baseline Budget	Revised Budget*	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
Planning	FIREFIGHTING PIPES AND TUNNELS AWSS Modernization CIP Study	Soft Costs	2,739,289	0	2,739,289		2,739,289	0	0
		Construction	0	0	0		0	0	0
		Project Contingency	0	0					0
		Subtotal	2,739,289	0	2,739,289	0	2,739,289	0	0
Various	Pipes/Tunnels (Projects 11 thru 19)	Soft Costs	8,011,693	-1,023,411	6,988,282		5,649,849	232,221	1,106,212
		Construction	3,922,304	241,294	4,163,598		1,155,878	26,838	2,980,882
		Project Contingency	0	0					0
		Subtotal	11,933,997	-782,117	11,151,880	0	6,805,727	259,059	4,087,094
Program	CUW AWS 01	Soft Costs	784,535	-122,861	661,674	0	579,990	51,333	30,351
		Construction	0	0	0				0
		Project Contingency	0	0					0
		Subtotal	784,535	-122,861	661,674	0	579,990	51,333	30,351
AUXILIARY WATER SUPPLY SYSTEM (AWSS)	Soft Costs	40,207,949	-3,746,515	36,461,434	0	33,292,793	505,898	2,662,743	
	Construction	62,192,050	3,746,516	65,938,566		43,075,881	3,555,922	19,306,763	
	Project Contingency	0	284,472	284,472 (5)	0	0	0	0	
	Subtotal	102,400,000	284,472	102,684,472	0	76,368,674	4,061,820	21,969,506	

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

Earthquake Safety & Emergency Response Bond Program ESER 2010 Program Budget Report - Expenditures as of 06/30/2017									
Status	Project	Category	Baseline Budget	Revised Budget*	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
SUMMARY									
		Soft Costs	109,251,890	782,515	110,034,405	0	96,501,047	1,541,007	11,992,351
		Construction	292,515,618	4,784,606	297,300,225	0	244,766,961	25,257,295	27,275,969
		Project Contingency	3,632,490	-553,498	3,078,992	0	0	0	2,794,520
		Subtotal	405,400,000	5,013,623	410,413,623	0	341,268,007	26,798,302	42,062,840
		Controller's Reserve (Ordinance 60-15)	0	2,338,024	2,338,024				
		BOND OVERSIGHT/ACCOUNTABILITY	1,216,200	22,755	1,238,955		685,562	175,430	377,963
		BOND COST OF ISSUANCE	5,683,800	-2,915,849	2,767,951		2,627,709 ⁽²⁾	0	140,242
		TOTAL ESER 2010 (CESER1)	412,300,000 ⁽³⁾	4,458,553 ⁽³⁾	416,758,553	0	344,581,279	26,973,732	42,581,045

As of 7/1/2017, the FAMIS fiscal month 12 2017, actual expenditures are \$418,825,656. The variances from the report are

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

(a) less \$76,368,674 for actuals per FAMIS Project Structure CUW AWS AW as of 7/1/2017.

(b) less \$76,505 for actuals Controller's Audit Fund (CUW AWS 081C4) and CGOBOC (CUW AWS 081GO) as of 7/1/2017.

\$102,568,217

(\$76,368,674)

(\$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)			

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

(5) Sixth Bond Sale & Interest Earned Allocation

Total (CESER1)

6,343,891

5,721,909

\$465,571,829

6,343,891

5,029,980

\$418,825,656

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

Earthquake Safety & Emergency Response Bond Program ESER 2014 Program Budget Report - Expenditures as of 6/30/2017									
Status	Project	Category	Baseline Budget	Revised Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
CONSTRUCTION	*OFFICE OF THE CHIEF MEDICAL EXAMINER								
		Soft Costs	17,217,350	16,508,898	16,508,898		14,610,302	698,951	1,199,645
		Construction	54,115,864	58,669,546	58,669,546		44,031,249	2,069,639	12,568,658
		Construction Contingency	1,507,206	0	0		0	0	0
		Subtotal	72,840,420	75,178,444	75,178,444	0	58,641,551	2,768,590	13,768,303
DESIGN	TRAFFIC COMPANY & FORENSIC SERVICES DIVISION								
		Soft Costs	51,575,648	45,195,000	44,556,700		23,140,008	1,812,165	19,604,527
		Construction	110,619,352	110,700,000	2,146,501		38,504	0	2,107,997
		Construction Contingency	0	6,300,000	0		0	0	0
		Subtotal	162,195,000	162,195,000	46,703,201	0	23,178,512	1,812,165	21,712,524
VARIOUS	POLICE FACILITIES								
	Focused Scope Subtotal								
		Soft Costs	3,634,955	5,548,669	4,319,383		2,409,556	179,588	1,730,227
		Construction	13,462,798	14,305,980	6,024,505		1,247,844	4,314,123	583,889
		Construction Contingency	2,019,420	1,968,561	211,854		0	0	90,504
		Subtotal	19,117,173	21,823,210	10,555,743	0	3,657,400	4,493,711	2,404,619
VARIOUS	Special Projects Subtotal								
		Soft Costs	0	125,984	125,984		108,683	17,302	0
		Construction	0	96,120	97,592		97,317	0	276
		Construction Contingency	0	0	0		0	0	0
		Subtotal	0	222,104	223,576	0	205,999	17,302	276
	Police Facilities Program Wide	Soft Costs	5,832,658	4,724,327	2,933,692		2,465,703	66,430	401,559
	PF Reserve	Program Reserve	4,540,169	2,720,359	-		-	-	-
		Unappropriated Bond Proceeds	-	-	3,364,640		-	-	3,364,640
	POLICE FACILITIES SUMMARY								
		Soft Costs	9,467,613	10,398,980	7,379,060		4,983,942	263,320	2,131,785
		Construction	13,462,798	14,402,100	6,122,098		1,345,160	4,314,123	584,164
		Construction Contingency	6,559,589	4,688,920	3,576,494		-	-	3,455,144
		Subtotal	29,490,000	29,490,000	17,077,651	0	6,329,103	4,577,443	6,171,094

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

Earthquake Safety & Emergency Response Bond Program ESER 2014 Program Budget Report - Expenditures as of 6/30/2017

Status	Project	Category	Baseline Budget	Revised Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
NEIGHBORHOOD FIRE STATIONS									
SEISMIC IMPROVEMENTS									
DESIGN	*9635A NFS 35 Fire Boat	Soft Costs	15,139,310	5,042,143	2,089,580		1,262,325	478,893	348,361
		Construction	22,708,967	31,917,500	2,400,000		0	0	2,400,000
		Construction Contingency	0	2,990,000	0		0	0	0
		Subtotal	37,848,277	39,949,643	4,489,580	0	1,262,325	478,893	2,748,361
CONSTRUCTION	*9535A NFS Pier 26 Fire Boat Berthing	Soft Costs	250,000	565,416	590,700		421,005	29,704	139,991
		Construction	1,850,000	2,076,665	2,110,616		1,786,926	323,690	0
		Construction Contingency	0	410,282	45,934		0	0	45,934
		Subtotal	2,100,000	3,052,363	2,747,250	0	2,207,931	353,394	185,925
COMPLETE	*7848A NFS 48 Treasure Island	Soft Costs	371,544	302,718	302,718		302,718	0	0
		Construction	2,628,456	2,557,478	2,557,478		2,557,478	0	0
		Construction Contingency	0	0	0		0	0	0
		Subtotal	3,000,000	2,860,195	2,860,195	0	2,860,195	0	0
DESIGN	9660A Hose Tower Removal & Roofing (Moving to Public Health & Safety Bond)	Soft Costs	384,996	0	0		0	0	0
		Construction	1,099,989	0	0		0	0	0
		Construction Contingency	0	0	0		0	0	0
		Subtotal	1,484,985	0	0	0	0	0	0
COMPREHENSIVE RENOVATIONS									
PROJECT DEV.	9663A NFS 3	Soft Costs	2,074,078	994,500	726,268		162,933	81,423	481,911
		Construction	5,152,976	4,005,000	0		0	0	0
		Construction Contingency	772,946	400,500	0		0	0	0
		Subtotal	8,000,000	5,400,000	726,268	0	162,933	81,423	481,911
DESIGN	9607A NFS 7	Soft Costs	538,946	466,000	329,615		160,861	6,250	162,504
		Construction	1,399,847	1,940,000	0		0	0	0
		Construction Contingency	139,985	194,000	0		0	0	0
		Subtotal	2,078,778	2,600,000	329,615	0	160,861	6,250	162,504

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

Earthquake Safety & Emergency Response Bond Program ESER 2014 Program Budget Report - Expenditures as of 6/30/2017										
Status	Project	Category	Baseline Budget	Revised Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance	
	NEIGHBORHOOD FIRE STATIONS									
	FOCUSED SCOPE PROJECTS									
VARIOUS	*Focused Scope Projects Subtotal									
		Soft Costs	5,115,777	6,067,333	2,524,651		1,530,938	98,233	895,480	
		Construction	15,406,358	14,543,994	5,627,608		2,743,913	1,826,378	1,057,317	
		Focused Scope Reserve	182,640	1,452,952	0		0	0	0	
		Subtotal	20,704,776	22,064,279	8,152,259	0	4,274,851	1,924,611	1,952,797	
	STUDIES, PROGRAM MANAGEMENT & REQUIRED COSTS		Soft Costs	10,773,502	10,693,981	4,956,542	0	4,311,948	48,382	596,212
	NFS Reserve		Program Reserve	6,301,511	3,990,343	0	0	0	0	
		Unappropriated Bond Proceeds	0	0	8,925,632	0	0	0	8,925,632	
	NEIGHBORHOOD FIRE STATIONS SUMMARY		Soft Costs	34,648,153	24,132,091	11,520,073		8,152,728	742,886	2,624,459
		Construction	50,246,593	57,040,637	12,695,702		7,088,317	2,150,068	3,457,317	
		Contingency	7,397,083	9,438,083	8,971,566		0	0	8,971,566	
		Subtotal	92,291,830	90,610,810	33,187,340	0	15,241,045	2,892,954	15,053,341	

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

Earthquake Safety & Emergency Response Bond Program ESER 2014 Emergency Firefighting Water System - Expenditures as of 06/30/17								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
EMERGENCY FIREFIGHTING WATER SYSTEM								
PRE-BOND PLANNING AND DEVELOPMENT								
Program	Pre-Bond Planning and Development							
		Soft Costs	0	0		0	0	0
		Construction	0	0		0	0	0
		Project Contingency						0
		Subtotal	0	0	0	0	0	0
AUXILIARY WATER SUPPLY SYSTEM (AWSS)								
Complete	Twin Peaks Reservoir - ESER 2014							
	CUWAW2AW23	Soft Costs		59,786	0	0	0	59,786
		Construction	643,518	682,000	0	643,518	0	38,482
		Project Contingency						0
		Subtotal	643,518	741,786	0	643,518	0	98,268
Bid & Award	Pumping Station 2 (ESER 2014 Partial Funding)							
	CUWAW2AW24	Soft Costs	1,000,000	1,000,000		0	0	1,000,000
		Construction	4,000,000	1,000,000		0	0	1,000,000
		Project Contingency						0
		Subtotal	5,000,000	2,000,000	0	0	0	2,000,000
Design	Clarendon Supply (ESER 2014 Partial Funding)							
	CUWAW2AW29	Soft Costs	514,841	1,000,000		46,838	38,224	914,937
		Construction	2,000,000	0		0	0	0
		Project Contingency						0
		Subtotal	2,514,841	1,000,000	0	46,838	38,224	914,937
Complete	ESER 2014 Assessments							
	CUWAW2AW30	Soft Costs	1,185,004	1,199,551	0	1,164,752	497	34,302
		Construction		30,000	0	18,462	1,752	9,786
		Project Contingency						0
		Subtotal	1,185,004	1,229,551	0	1,183,214	2,249	44,088

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

Earthquake Safety & Emergency Response Bond Program ESER 2014 Emergency Firefighting Water System - Expenditures as of 06/30/17								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
Closeout	Candlestick Point Pipeline CUWAW2AW31	Soft Costs	60,261	0	0	0	0	0
		Construction	380,570	1,000,000	0	440,831	0	559,169
		Project Contingency						0
		Subtotal	440,831	1,000,000	0	440,831	0	559,169
Bid & Award	19th Avenue Pipeline CUWAW2AW32	Soft Costs	1,341,222	391,508	0	300,506	0	91,002
		Construction	3,129,518	10,000	0	5,241	0	4,759
		Project Contingency						0
		Subtotal	4,470,740	401,508	0	305,747	0	95,761
Bid & Award	Irving St Pipeline CUWAW2AW33	Soft Costs	1,571,460	8,318,875	0	67,130	0	8,251,745
		Construction	8,086,313	520,000	0	0	0	520,000
		Project Contingency						0
		Subtotal	9,657,772	8,838,875	0	67,130	0	8,771,745
Bid & Award	Ashbury Bypass Pipeline CUWAW2AW34	Soft Costs	1,016,616	158,000		19,048	0	138,952
		Construction	2,372,103	0		0	0	0
		Project Contingency						0
		Subtotal	3,388,719	158,000	0	19,048	0	138,952
Closeout	Columbus Avenue Pipeline CUWAW2AW35	Soft Costs	300,000	1,098,503		808,443	0	290,060
		Construction	700,000	0		0	0	0
		Project Contingency						0
		Subtotal	1,000,000	1,098,503	0	808,443	0	290,060
Design	Lake Merced Pipeline CUWAW2AW36	Soft Costs	731,404	1,020,000		133,547	1,650	884,803
		Construction		0		0	0	0
		Project Contingency						0
		Subtotal	731,404	1,020,000	0	133,547	1,650	884,803

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

Earthquake Safety & Emergency Response Bond Program ESER 2014 Emergency Firefighting Water System - Expenditures as of 06/30/17								
Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
Closeout	Columbus Avenue Pipeline							
	CUWAW2AW35	Soft Costs	300,000	1,098,503		808,443	0	290,060
		Construction	700,000	0		0	0	0
		Project Contingency						0
		Subtotal	1,000,000	1,098,503	0	808,443	0	290,060
Design	Lake Merced Pipeline							
	CUWAW2AW36	Soft Costs	731,404	1,020,000		133,547	1,650	884,803
		Construction		0		0	0	0
		Project Contingency						0
		Subtotal	731,404	1,020,000	0	133,547	1,650	884,803
Cancelled	McLaren Tank Flexible System							
	CUWAW2AW37	Soft Costs	25,503	200,000		25,503	111,754	62,744
		Construction		0		0	0	0
		Project Contingency						0
		Subtotal	25,503	200,000	0	25,503	111,754	62,744
Cancelled	Sunset Reservoir Flexible System							
	CUWAW2AW38	Soft Costs	50,214	50,214		49,255	959	0
		Construction		0		0	0	0
		Project Contingency						0
		Subtotal	50,214	50,214	0	49,255	959	0
Planning/Design	University Mound East Pipeline							
	CUWAW2AW39	Soft Costs	3,655,904	1,056,838		239,449	268,779	548,610
		Construction	8,530,444	0		0	0	0
		Project Contingency						0
		Subtotal	12,186,348	1,056,838	0	239,449	268,779	548,610
Cancelled	Repairs - Pipeline (2014)							
	CUWAW2AW40	Soft Costs	0	0		0	0	0
		Construction	0	0		0	0	0
		Project Contingency						0
		Subtotal	0	0	0	0	0	0

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

Earthquake Safety & Emergency Response Bond Program ESER 2014								
Emergency Firefighting Water System - Expenditures as of 06/30/17								
Cancelled	FWSS Crossings CUWAW2AW41	Soft Costs	0	0	0	0	0	
		Construction	0	0	0	0	0	
		Project Contingency					0	
		Subtotal	0	0	0	0	0	
Planning	Ingleside Pipeline CUWAW2AW42	Soft Costs	855,000	400,000	0	0	400,000	
		Construction	1,995,000	0	0	0	0	
		Project Contingency		0			0	
		Subtotal	2,850,000	400,000	0	0	0	400,000
Bid & Award	Mariposa Pipeline CUWAW2AW43	Soft Costs	1,500,000	200,000	0	0	200,000	
		Construction	3,500,000	2,000,000	0	0	855,076	1,144,924
		Project Contingency		0				0
		Subtotal	5,000,000	2,200,000	0	0	855,076	1,344,924
Planning	Sunset Pipeline CUWAW2AW44	Soft Costs	455,000	200,000	0	0	121,392	78,609
		Construction	1,995,000	0	0	0	0	0
		Project Contingency		0				0
		Subtotal	2,450,000	200,000	0	0	121,392	78,609
Program	CUWAW200	Soft Costs	2,470,106	32,469,725	0	252,269	63,421	32,154,035
		Construction		0	0			0
		Project Contingency		0				0
		Subtotal	2,470,106	32,469,725	0	252,269	63,421	32,154,035
AUXILIARY WATER SUPPLY SYSTEM (AWSS)	Soft Costs	16,732,535	48,823,000	0	3,106,741	606,675	45,109,584	
	Construction	37,332,465	5,242,000	0	1,108,052	856,828	3,277,120	
	Project Contingency	0	0	0	0	0	0	
	Subtotal	54,065,000	54,065,000	0	4,214,793	1,463,503	48,386,704	

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

Earthquake Safety & Emergency Response Bond Program ESER 2014 Program Budget Report - Expenditures as of 6/30/2017									
Status	Project	Category	Baseline Budget	Revised Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
ESER 2014 SUMMARY									
		Soft Costs	129,641,299	112,967,503	128,787,731	0	53,993,721	4,123,997	70,670,000
		Construction	265,777,073	278,144,748	84,875,846	0	53,611,282	9,390,658	21,995,256
		Contingency	15,463,877	20,426,998	12,548,060	0	0	0	12,426,710
		Subtotal	410,882,249	411,539,249	226,211,637	0	107,605,003	13,514,656	105,091,966
		BOND OVERSIGHT/ACCOUNTABILITY/COI	6,800,000	6,800,000	2,378,790	-	1,879,260	284,968	214,561
		SUBTOTAL	417,682,249	418,339,249	228,590,427	-	109,484,264	13,799,624	105,306,527

* Other funding sources include:

(a) OCME (General Funds)	(8,945,420)	(8,945,420)	(8,945,420)	(698,253)	(1,153,222)	(7,093,944)
(b) NFS (General Funds, 1992 Fire Facility Funds, CIP Funds)	(8,736,829)	(9,393,829)	(9,393,830)	(5,188,601)	(832,288)	(3,372,941)
TOTAL (CESER2)	400,000,000	400,000,000	210,251,178	103,597,409	11,814,114	94,839,642

As of July 1, 2017, the FAMIS Fiscal Month 12 2017 (June 2017), the budget is \$225,626,073 and the actual expenditures are \$168,938,256. The variances are as follows:

(1) Bond Sale Premiums			15,361,072	15,361,072	-	-
(2) Project Structure CESER2MP0000, Subobj 06700 (interest earned)			13,823	-	-	13,827
(3) The transfer out to PUC EFWS shows as actual, Subobj 0935W (OTO TO 5W-WATER)			-	54,227,613	-	-
(a) Less PUC actuals per FAMIS Project Structure CUWAW2 AW			-	(4,214,793)	(1,463,504)	(48,386,704)
(b) Less actuals for Controller's Audit Fund and CGOBOC (CUWAW2; 081C4, 081GO)			-	(35,022)	(74,483)	(53,108)
(4) Due to additional allocation of \$2.3M under ESER 2010 NFS, an equivalent amount is re-allocated from ESER 2014 NFS to fund OCME			-	-	-	-
(5) Project Structure CESER2MP0000, Subobj 07499 (debt service & fiscal charges)			-	1,977	-	(1,977)
PROGRAM TOTAL (CESER2)			800,000,000	800,000,000	435,877,250	272,535,665
					22,090,241	141,251,322

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

Attachment 3 – Schedule

ESER 2010 – Active 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	4,798,218	03/01/12	09/05/14																																						
Current/Projected	5,787,300	03/01/12	09/05/14																																						
SEISMIC: STATION 5 (New 2-story)																																									
Baseline Budget	13,838,757	03/01/12	05/01/17																																						
Current/Approved	13,838,757	03/01/12	09/30/17																																						
Current/Projected	21,027,983	03/01/12	01/28/19																																						
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	8,841,656	03/01/12	01/04/16																																						
Current/Projected	14,175,070	03/01/12	03/24/18																																						

7/25/2017

Prepared by San Francisco Public Works
Revised 07/25/2017

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

EARTHQUAKE SAFETY EMERGENCY RESPONSE BOND PROGRAM Timeline and Schedule

Description	BUDGET	Schedule		FY 10/11		FY 11/12				FY 12/13				FY 13/14				FY 14/15				FY 15/16				FY 16/17				FY 17/18				FY 18/19				FY 19/20				FY 20/21			
		Start	Completion	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.						
				9/30/10	12/31/10	3/31/11	6/30/11	9/30/11	12/31/11	3/31/12	6/30/12	9/30/12	12/31/12	3/31/13	6/30/13	9/30/13	12/31/13	3/31/14	6/30/14	9/30/14	12/31/14	3/31/15	6/30/15	9/30/15	12/31/15	3/31/16	6/30/16	9/30/16	12/31/16	3/31/17	6/30/17	9/30/17	12/31/17	3/31/18	6/30/18	9/30/18	12/31/18	3/31/19	6/30/19	9/30/19	12/31/19	3/31/20	6/30/20	9/30/20	12/31/20
PUBLIC UTILITIES COMMISSION / AUXILIARY WATER SUPPLY SYSTEM (AWSS)																																													
PRE-BOND PLANNING AND DEVELOPMENT																																													
Original/Baseline Budget	1,316,964	07/01/09	12/31/10	1,316,963																																									
Current/Approved	1,316,964	07/01/09	12/31/10	1,316,964																																									
Current/Projected	1,316,964	07/01/09	12/31/10	1,316,964																																									
AWSS JONES STREET TANK																																													
Original/Baseline Budget	6,403,052	04/01/11	05/31/17	6,403,052																																									
Current/Approved	6,403,052	04/01/11	05/31/17	6,403,052																																									
Current/Projected	6,403,052	04/01/11	05/31/17	6,403,052																																									
AWSS ASHBURY HEIGHTS TANK																																													
Original/Baseline Budget	4,731,787	04/01/11	05/31/17	4,731,787																																									
Current/Approved	4,731,787	04/01/11	05/31/17	4,731,787																																									
Current/Projected	4,731,787	04/01/11	05/31/17	4,731,787																																									
AWSS TWIN PEAKS RESERVOIR																																													
Original/Baseline Budget	2,655,031	04/01/11	05/31/17	2,655,031																																									
Current/Approved	2,655,031	04/01/11	05/31/17	2,655,031																																									
Current/Projected	2,655,031	04/01/11	05/31/17	2,655,031																																									
AWSS PUMP STATION NO. 2																																													
Original/Baseline Budget	22,600,000	04/01/11	12/31/20	22,600,000																																									
Current/Approved	22,600,000	04/01/11	12/31/20	22,600,000																																									
Current/Projected	22,600,000	04/01/11	12/31/20	22,600,000																																									
AWSS PUMP STATION NO. 1																																													
Original/Baseline Budget	13,950,520	04/01/11	08/08/18	13,950,520																																									
Current/Approved	13,950,520	04/01/11	08/08/18	13,950,520																																									
Current/Projected	13,950,520	04/01/11	08/08/18	13,950,520																																									
FIREFIGHTING CISTERNS - NEW CISTERNS (Projects 6-9)																																													
Original/Baseline Budget	35,284,824	04/01/11	03/30/18	35,284,824																																									
Current/Approved	35,284,824	04/01/11	03/30/18	35,284,824																																									
Current/Projected	35,284,824	04/01/11	03/30/18	35,284,824																																									
FIREFIGHTING PIPES AND TUNNELS - AWSS MODERNIZATION CIP STUDY																																													
Original/Baseline Budget	2,739,289	04/01/11	06/30/14	2,739,289																																									
Current/Approved	2,739,289	04/01/11	06/30/14	2,739,289																																									
Current/Projected	2,739,289	04/01/11	06/30/14	2,739,289																																									
FIREFIGHTING PIPES AND TUNNELS (Projects 11-20)																																													
Original/Baseline Budget	11,933,997	04/01/11	06/04/20	11,933,997																																									
Current/Approved	11,933,997	04/01/11	06/04/20	11,933,997																																									
Current/Projected	11,933,997	04/01/11	06/04/20	11,933,997																																									
CUW AWS 01 (Administration)																																													
Original/Baseline Budget	784,535	04/01/11	12/31/20	784,535																																									
Current/Approved	784,535	04/01/11	12/31/20	784,535																																									
Current/Projected	784,535	04/01/11	12/31/20	784,535																																									
AUXILIARY WATER SUPPLY SYSTEM (AWSS) SUB-TOTAL																																													
Original/Baseline Budget	102,400,000																																												
Current/Approved	102,400,000																																												
Current/Projected	102,400,000																																												

EARTHQUAKE SAFETY EMERGENCY RESPONSE BOND PROGRAM

Timeline and Schedule

Description	BUDGET	Schedule		FY 14/15				FY 15/16				FY 16/17				FY 17/18				FY 18/19				FY 19/20				FY 20/21			
				July 1, 2014		June 30, 2015		July 1, 2015		June 30, 2016		July 1, 2016		June 30, 2017		July 1, 2017		June 30, 2018		July 1, 2018		June 30, 2019		July 1, 2019		June 30, 2019		July 1, 2020		June 30, 2021	
				1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
PUBLIC UTILITIES COMMISSION / AUXILIARY WATER SUPPLY SYSTEM (AWSS)																															
AWSS TWIN PEAKS RESERVOIR - ESER 2014																															
Original/Baseline Budget	643,518	11/06/14	05/31/17					643,518																							
Current/Approved	643,518	11/06/14	05/31/17					643,518																							
Current/Projected	643,518	11/06/14	05/31/17					643,518																							
AWSS PUMP STATION NO. 2 - ESER 2014																															
Original/Baseline Budget	5,000,000	05/01/17	12/31/20																	5,000,000											
Current/Approved	5,000,000	05/01/17	12/31/20																	5,000,000											
Current/Projected	5,000,000	05/01/17	12/31/20																	5,000,000											
AWSS ESER 2014 ASSESSMENT																															
Original/Baseline Budget	1,185,004	11/13/14	01/31/17					1,185,004																							
Current/Approved	1,185,004	11/13/14	01/31/17					1,185,004																							
Current/Projected	1,185,004	11/13/14	01/31/17					1,185,004																							
PIPELINES (Multiple Projects)																															
Original/Baseline Budget	44,766,372	02/23/15	12/31/20																	44,766,372											
Current/Approved	44,766,372	02/23/15	12/31/20																	44,766,372											
Current/Projected	44,766,372	02/23/15	12/31/20																	44,766,372											
CUW AW 200 (Administration)																															
Original/Baseline Budget	2,470,106	11/06/14	12/31/20																	2,470,106											
Current/Approved	2,470,106	11/06/14	12/31/20																	2,470,106											
Current/Projected	2,470,106	11/06/14	12/31/20																	2,470,106											
AUXILIARY WATER SUPPLY SYSTEM (AWSS) SUB-TOTAL																															
Original/Baseline Budget	54,065,000																														
Current/Approved	54,065,000																														
Current/Projected	54,065,000																														