



Earthquake Safety and Emergency Response Bond Program 2014

Accountability Report February 16, 2018

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Office of the Chief Medical Examiner



Prepared for the

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Traffic Company and Forensic Services Division



Aerial view of site location

Fire Station 35 – Proposed concept



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EXECUTIVE SUMMARY

The Earthquake Safety and Emergency Response 2014 (ESER 2014) Bond Program has five components: the Office of the Chief Medical Examiner (OCME), the Traffic Company & Forensic Services Division (TCFSD), the Police Facilities (PF), the Neighborhood Fire Stations (NFS), and Emergency Firefighting Water Systems (EFWS), with a combined budget of \$400,000,000. Public Works is responsible for managing four components – the OCME, FSD, PF, and NFS. The San Francisco Public Utilities Commission (SFPUC) manages the EFWS component.

Public Works is requesting approval for a third bond sale and corresponding appropriation in the amount of \$189,735,000, which includes cost of issuance, accountability and General Obligation Bond Oversight Committee (GOBOC) costs. The third bond sale would increase the authorized appropriation from \$210,265,000 to \$400,000,000, which will fully fund the ESER 2014 Bond Program.

BUDGET, FUNDING & EXPENDITURES

Budget

The Earthquake Safety and Emergency Response 2014 (ESER 2014) Bond Program has five components: the Office of the Chief Medical Examiner (OCME), the Traffic Company & Forensic Services Division (TCFSD), the Police Facilities (PF), the Neighborhood Fire Stations (NFS), and Emergency Firefighting Water Systems (EFWS), with a combined budget of \$400,000,000. Public Works is responsible for managing four components – the OCME, TCFSD, PF, and NFS. The San Francisco Public Utilities Commission (SFPUC) manages the EFWS component.

Public Works revised budgets for the NFS and OCME components. The OCME budget increased by \$2,338,024 from \$63,895,000 to \$66,233,024 to fund preferred scope items proposed by the Chief Medical Examiner that were not within the original budget and the NFS budget decreased by the same from \$83,555,000 to \$81,216,976. . To mitigate the impact of this budget change, the budget for the NFS under ESER 2010 increased to include \$2,338,024 using savings from cost of issuance and interest-earned under this Program. No scope of work was deleted from NFS as a result of this budget adjustment. The following table, Table A – Budget Revision, reflects the revised budget:

Table A – Budget Revision

ESER 2014 Components/Projects	Bond Authorization	Bond Budget	Revised Budget
Office of Chief Medical Examiner (OCME)	\$65,000,000	\$63,895,000	\$66,233,024
Traffic Company & Forensic Services Division (TCFSD)	\$165,000,000	\$162,195,000	\$162,195,000
Police Facilities (PF)	\$30,000,000	\$29,490,000	\$29,490,000
Neighborhood Fire Stations (NFS)	\$85,000,000	\$83,555,000	\$81,216,976
Emergency Firefighting Water System (EFWS)	\$55,000,000	\$54,065,000	\$54,065,000
Other Costs	\$0	\$6,800,000	\$6,800,000
Total	\$400,000,000	\$400,000,000	\$400,000,000

Funding

The ESER 2014 Bond Program has received proceeds from two prior bond sales totaling \$210,265,000. Due to project timing and cash flow needs of other bond component projects, Public Works is reallocating \$4 million in cash proceeds from TC&FSD. This transaction will not affect TC&FSD’s project timing and will be replenished from the proceeds of the third bond sale. The following table, Table B – General Obligation Bond (GOB) Funding, shows the proceeds of each bond sale and the reallocation between program components.

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Table B – GOB Funding

ESER 2014 Components/Projects	FY 2014-2015	FY 2015-2016	Total Proceeds	Funding Reallocation
	Series 2014A o0193-14	Series 2014B o49-16		
Office of Chief Medical Examiner (OCME)	\$34,252,621 (1)	\$31,980,403	\$66,233,024	
Traffic Company & Forensic Services Division (TCFSD)	\$30,319,674 (1)	\$16,383,526	\$46,703,200	(\$4,000,000)
Police Facilities (PF)	\$6,882,939	\$10,194,715	\$17,077,654	\$4,000,000
Neighborhood Fire Stations (NFS)	\$8,150,606	\$15,642,907	\$23,793,513	
Emergency Firefighting Water System (EFWS)	\$20,000,000	\$34,065,000	\$54,065,000	
Other Costs	\$1,064,160	\$1,328,449	\$2,392,609	
Total	\$100,670,000	\$109,595,000	\$210,265,000	\$0

(1) The initial discussion with the Controller’s Office of Public Finance showed a different amount for OCME \$50.3 million and TC&FSD \$14.3 million. Subsequently, the amount for OCME was reduced to \$34.2 million and TC&FSD increased to \$30.3 million to fund the site acquisition for TC&FSD. This adjustment did not affect OCME funding needs. The amounts reflected on Table B were presented to Capital Planning Committee on July 21, 2014.

Public Works is requesting a third and final bond sale in the amount of \$189,735,000 which will fully fund Traffic Company & Forensic Services Division, Police Facilities and Neighborhood Fire Stations bond components. The following table, Table C- Third Bond Sale Request, shows the amounts that will be allocated to each component.

Table C- Third Bond Sale Request

ESER 2014 Components/Projects	Total Appropriation	Current Request	Total
Office of Chief Medical Examiner (OCME)	\$66,233,024	\$0	\$66,233,024
Traffic Company & Forensic Services Division (TCFSD)	\$42,703,200	\$119,491,800	\$162,195,000
Police Facilities (PF)	\$21,077,654	\$8,412,346	\$29,490,000
Neighborhood Fire Stations (NFS)	\$23,793,513	\$57,423,463	\$81,216,976
Emergency Firefighting Water System (EFWS)	\$54,065,000	\$0	\$54,065,000
Other Costs	\$2,392,609	\$4,407,391	\$6,800,000
Total	\$210,265,000	\$189,735,000	\$400,000,000

For TC&FSD, the proceeds will fund constructions costs, the Public Art Program, project management costs, permitting, construction management fees, and testing & special inspection expenses.

For Police Facilities, the proceeds will fund design services and construction for Mission Station and the construction for Mechanical, Electrical and Plumbing (MEP) Package 2, Ingleside Station, the Police Academy, and Park Station.

For NFS, the proceeds will fund Fire Station 35 (remainder of the design-build contract, construction, permits, city administrative services, in house architectural, engineering, and construction management services, Public Art Program, and Materials Testing and Special Inspection services (MTSI), Program Management, Focused Scope projects (fund remaining construction costs for the exterior envelope packages 1 and 2, heating, ventilation, and air conditioning (HVAC) package 1, fully fund remaining construction for the Apparatus Bay doors packages 4 and 5, remaining stations with Access Control needs, and replenish the NFS program reserves.

Any savings related to the cost of issuance, which will be determined prior to bond issuance, will be proportionally distributed to each component.

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Expenditures

Effective July 1, the City transitioned to a new financial system. Due to project conversion issues, expenditure reporting is only available through fiscal year-end 2017. Public Works and Public Utilities Commission are working with the Controller’s Office to resolve the project conversion issues and resume regular financial reporting.

As of June 30, 2017, the expenditures total \$106,632,255 and the encumbrance are \$10,089,136, representing 56% of the appropriation and 29% of the budget respectively. The following table summarizes budget, appropriation, encumbrances, and expenditures by component:

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

REGULATORY APPROVALS

The project and California Environmental Quality Act (CEQA) status are summarized in Table C, shown below.

Table C – CEQA Status

Project	CEQA Status
OCME	Approved May 2014
TCFSD	Completed
PF	Completed
NFS	Completed
Focused Scope Projects	Completed
Fireboat Station 35	In progress
EFWS	
Twin Peaks Reservoir - ESER 2014	Completed
Clarendon Supply (ESER 2014 Partial Funding)	Completed
ESER 2014 ASSESSMENT	Not applicable
Pipeline Repair & Abandonment	Not applicable
19 th Avenue Pipeline	Completed
Ashbury Bypass Pipeline	Completed
Candlestick Point Pipeline	Completed
Columbus Avenue Pipeline	Completed
FWSS Street Crossings	Project canceled
FWSS Lake Merced	Project canceled
FWSS McLaren Tank	Project canceled
FWSS Sunset Reservoir	Project canceled
Ingleside Pipeline	Completed
Irving Street Pipeline	Completed
Lake Merced Pipeline	In progress
Mariposa Pipeline	Completed
Sunset Pipeline	In progress
University Mount East Pipeline	In progress
University Mound Pump	In progress

Further detail and the status of each component are discussed in the following report.

PROGRAM SUMMARY AND STATUS

Office of the Chief Medical Examiner (OCME)



Location: One Newhall Street, San Francisco, CA 94124

Project Description: The project will relocate Office of the Chief Medical Examiner (OCME) to One Newhall Street in the India Basin Industrial Park. The new facility is organized into the four units of the OCME: Field Investigations, Medical/Autopsy, Laboratory, and Administration. One Newhall Street is an existing 28,000 gsf industrial warehouse which will be renovated to add a second floor 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.

Project Status:

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

The project is anticipated to achieve LEED Gold certification.

Schedule:

- Construction NTP November 17, 2015
- Substantial Completion October 10, 2017
- Facility open for business November 6, 2017
- Final Completion February 2018

Local Hiring:

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

LBE Participation:

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

Traffic Company & Forensic Services Division (TCFSD)



Location: 1995 Evans Avenue, San Francisco, CA 94124

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

The project is being developed to support a Full Time Employee (FTE) forecast for 2020 FSD demand of approximately 109 for the Forensic Services Division, 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 at the eastern edge if required.

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

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

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

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

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

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

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

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

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

The project is anticipated to achieve LEED Gold certification.

Schedule:

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

Police Facilities (PF)



Project Description: The project includes various focused scope upgrades at 12 police facilities (9 district stations and 3 support facilities) located across the City. Establishment of facilities' needs was derived from a series of onsite investigations, observations, and professional evaluations of different building systems to include mechanical, electrical, plumbing, fire protection, and structural safety and includes professional assessments of building envelope (i.e. integrity of roof, doors, windows, and walls), accessibility requirements, as well as other site improvements that ensure health, safety, and security.

Project Background: Many police facilities are compromised in a variety of ways, including being seismically unsafe, any of which could hamper emergency response after a major disaster. When people are injured, we count on our first responders to arrive quickly and get people into the trauma centers to save their lives. By upgrading outdated police facilities, San Francisco can quickly help restore the City back to working order. The scoping of work at each location was informed by this understanding of conditions and through active discussion with the Police Department command staff to identify priorities that support operational effectiveness.

Projects' Status: From various facilities condition assessments performed after the passage of ESER Bond 2014 a total of 15 projects were identified, of which 10 were focused scope projects; 4 were special projects; and 1 project was cancelled.

FOCUSED SCOPE PROJECTS:

ADA Package 1

The project addresses accessibility issues at the Bayview, Mission, Tenderloin, Central, and Northern District Police Stations from the street curb to the public transaction window. The scope includes installation of new door operators and automatic door actuators in main public entrances, new accessible counters under the public transaction window, new public phone with volume control features, and new accessible signage in public areas including restrooms. The project is completed.

ADA Package 2

The project addresses accessibility issues at the Richmond, Taraval, Ingleside, Park District Police Stations, and the Police Academy from the street curb to the public transaction window. The scope includes installation of new door operators and automatic door actuators in main public entrances, new accessible counters under the public transaction window, new public phone with volume control features, new gender-neutral restrooms at the Police Academy, and new accessible signage in public areas including restrooms. The project is completed.

Northern Police Station Renovation

The project scope of work includes structural alteration, emergency generator replacement, chiller and other critical HVAC component replacement, roofing replacement, and the separation of an existing combined sewer and storm drainage system. The project was awarded to MH Construction as the General Contractor in July 2017 and is currently under construction.

MEP Package 2 – Richmond and Taraval Station Renovation

The project scope of work includes emergency generator and fuel tank replacement, chiller and other critical HVAC component replacement, selective roofing replacement, and the separation of an existing combined sewer and storm drainage system. The project was awarded to MH Construction as the General Contractor in July 2017 and is currently under construction.

New Firearms Simulation Training Facility in Lake Merced Range

The project will provide a brand new facility at Lake Merced Range for firearms simulation training purposes. The building is a single story modular structure of roughly 30' wide x 70' long and 14' tall set on a permanent concrete foundation. The program includes a classroom, a simulation training room, and an accessible restroom. The contract for site and utility construction was awarded to GIRON Construction in November 2017 and is currently

under construction. The contract for the fabrication of the modular structure was awarded to Design Space Modular, Inc. (DSM), fabrication was completed.

Park Police Station Renovation

The project scope of work includes emergency generator and fuel tank replacement, new AC system in selected spaces, HVAC work, structural alteration, and selected window replacement. The project was awarded to Wickman Development and Construction as the General Contractor in December 2017 and is currently in construction phase.

Ingleside Police Station Renovation

The project scope of work includes emergency generator and fuel tank replacement, new AC system in selected spaces, HVAC work, gutter and selective roofing finish replacement, and selected window replacement. The project was awarded to Wickman Development and Construction as the General Contractor in December 2017 and is currently in construction phase.

MEP Package 2 – Tenderloin and Bayview Station Renovation

The project scope of work includes emergency generator and fuel tank replacement, chiller replacement, new AC system in selected spaces plus other HVAC work. Scope of work also includes a concrete vehicular ramp and roll-up door at Tenderloin Police Station. The project completed design and had begun advertisement phase in January 2018.

Police Academy Renovation

The project scope of work includes structural alteration, roofing replacement, new AC system in selected classroom and office spaces, and other critical HVAC component replacements. The project scope of work also includes the replacement of an outdated switchgear. The project completed design and is currently under review by DBI.

Mission Police Station

The project will address structural deficiencies in the building and architectural finish replacements at affected areas. Concept design was completed in December 2018 and will begin the construction document phase in February 2018.

SPECIAL PROJECTS:

Pistol Range Roof Repairs

The existing roof at the pistol range was poorly deteriorated and in need of an immediate replacement. ESER funded for the roofing replacement project in 2016, the project is completed.

Park Exterior Wall Repairs

ESER funded for an emergency repair project to address an existing failing exterior concrete wall at Park Station. This was completed in 2016.

Central Expansion Feasibility Study

Based on a report produced by RDC Architects in 2013, Central Police Station is in need for a replacement facility due to the lack of operating space and other building deficiencies. While a replacement facility at a different location poses economic and political challenges, Public Works explored the possibility of a programmatic and space expansion at the existing site. The feasibility study was completed by Public Works BDC and IDC group in 2016.

ID Bureau & Property Control Study

SFPD ID Bureau and Property & Evidence storage are required to be relocated from the Hall of Justice and Building 606 at Hunters Point within the next few years. The purpose of the study is to evaluate existing property and evidence storage and retention protocols, existing space capacity, and recommend future space needs prior to relocation. The study was completed by RDC Architects in 2016.

CANCELLED PROJECT:

Golden Gate Stables Renovation

The project scope would include structural alteration, windows replacement, doors replacement, and exterior wall repairs. The project was cancelled due to the re-allocation of funds to procure the New Firearms Simulation Training Facility at Lake Merced, which emerged as a more immediate need per the San Francisco Police Department (SFPD). This change was documented via the "Program Revision Acceptance Form" dated 10/14/2016, with approval from the SFPD.

Neighborhood Fire Stations (NFS)



Project Description: The ESER 2014 bond program will continue the work of ESER 2010 bond program, categorizing projects according to the three categories of work: *Focused Scope*, *Comprehensive*, and *Seismic*. The ESER 2014 bond program will address identified and prioritized needs at Fire Stations that were previously not addressed under the ESER 2010 bond program.

Project Status: 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, windows, exterior envelope, sidewalk, emergency generator, mechanical projects, and card access security. ESER 2014 Focused Scope projects impact 35 Fire Stations.

Completed Focused Scope Projects:

- Apparatus Bay Door Replacement: Stations 15, 3
- Roof/HVAC/Generator project: Station 3, 17, 40
- Shower repair projects: Stations 13, 20, 22, 34 and 17
- Windows Restoration: Stations 8, 9, 11, 12, 14, 19, 20, 21, 23, 24, 25, 29, 37, 43
- Side walk replacement projects: Stations 13, 20, 26, & 31
- Card Access Security: Stations 1,2,4,7,8,10,12,13,14,15,18,19,20,21,22,23,,25,28,31,34,36, 39, 40, 41,42,43, 44, 49

Focused Scope Projects in Pre-Design & Design Phase

- Card Access Security: Stations 3, 6, 9, 11, 17, 24, 26, 29, 32, 33, 37, 38
- Generators: Stations 31, 2, 24, 41, 18, 14, 19 and tbd
- HVAC: Station 8, & tbd
- Side walk replacement projects: Station 49

Focused Scope Projects in Pre Bid Prep or Bid Phase:

- Apparatus Bay Door Replacements: at 24 stations
- Shower Repair Package 2: Stations 17, 19, 33
- Exterior envelope repair projects: Stations 8, 11, 20, 22, 23, 24, 29, 34

Focused Scope Projects in Pre-NTP or Construction Phase:

- Apparatus Bay Door Replacements: Stations 2, 11, 13, 19, 24, 31, 34, 40 41
- Roof Replacement Package 5: Stations 9, 20, 23, 24, 29, 43
- Windows Restoration: Station 33

Station #35 Fire Boat



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

meeting on October 12th. Project's Informational Meetings were held on October 24th and December 7th.

Project Schedule: Current schedule for Early Focused Scope projects and Station #35 Fire Boat are listed below.

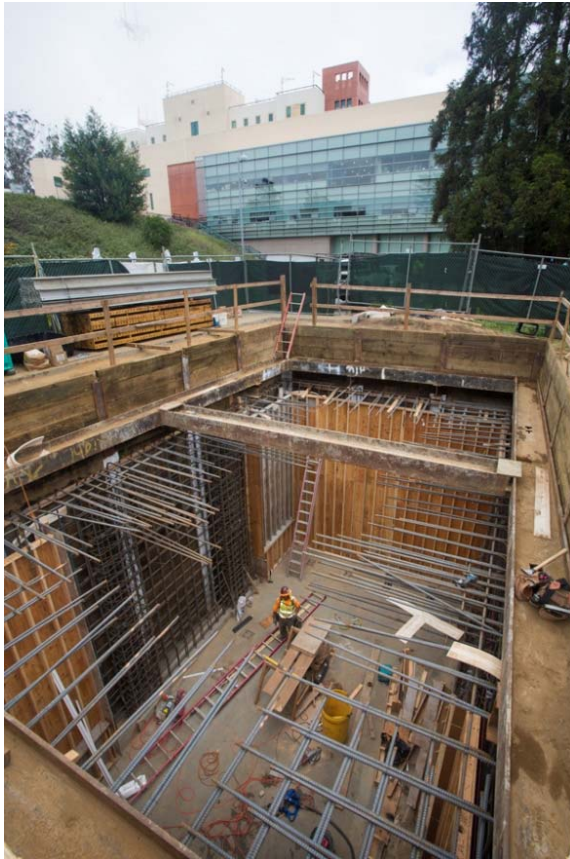
Focused Scope Projects:

- As needed consultants Page & Turnbull Architects, for historic evaluations are completed.
- BDC / IDC completed design of all Focused Scope projects, with the exception of Generators. In July of 2017, SFFD requested new generators in a prioritized list. An engineering consultant has been selected, and solicitation of fees, procurement of contracts, and assessments are underway.
- Seismic structural assessments have been completed at Fire Stations 2, 6, 7, 8, 9, 11, 15, 21, 25, 31, 36, 38, and 40.

Station #35 Fire Boat:

- Completion of Programming and Conceptual Design - January 2018
- Start of Schematic Design Phase – February 2018
- Environmental Evaluation Application (CEQA) Process – September 2017 - November 2018
- Construction Phase – December 2018 – November 2020

EMERGENCY FIREFIGHTING WATER SYSTEM (EFWS)



Project Description:

The 2014 Earthquake Safety and Emergency Response Bond will seismically improve the historic Auxiliary Water Supply System (AWSS) pipelines, tunnels, and physical plant. The Emergency Firefighting Water System (EFWS) has been adopted as the overarching title that describes the AWSS, cisterns, and related water supply.

The EFWS delivers AWSS high-pressure water and cistern water storage for fire suppression in several areas of the City. The EFWS is vital for protecting against the loss of life, homes, and businesses from fire following an earthquake. It is also used for the suppression of non-earthquake multiple-alarm fires.

Project Status/Schedule:

Planning and Design

1. 19th Avenue Pipeline – Install new 20" AWSS pipe on 19th Avenue from Irving Street to Kirkham Street.
2. Clarendon Supply – Provide a new AWSS water supply and pipe near Clarendon Avenue and Dellbrook Avenue.

3. Ingleside Pipeline – Install new 20” AWSS pipe from existing Ocean Avenue AWSS pipe towards Lake Merced.
4. Lake Merced Pipeline – Install new 20” AWSS pipe from Lake Merced Pump Station to the intersection of Vidal Drive and Higuera Avenue.
5. Sunset Pipeline – Install new Potable AWSS pipeline from Sunset Reservoir
6. University Mound Pipeline – Install new 20” AWSS pipe from the University Mound Reservoir to the existing 20” AWSS pipe at Third Street and Salinas Avenue.

Construction

1. Ashbury Bypass Pipeline – Install new 20” AWSS pipe near Ashbury Heights Tank.
2. Irving Street Pipeline – Install new 20” AWSS pipe on Irving Street from 7th Street to 19th Street.
3. Mariposa/Terry Francois Boulevard AWSS Pipeline – Install new AWSS pipeline from Terry A. Francois Boulevard/South Street to Mariposa Street/3rd Street via Mariposa Street and Terry A. Francois Boulevard
4. Pumping Station 1 – Install new diesel engines for seawater pumps.
5. Pumping Station 2 – Improve the building structure’s seismic performance.

ACCOUNTABILITY MEASURES

The ESER 2014 Bond Program has a comprehensive series of accountability measures including public oversight and reporting by the following governing bodies:

- The Citizens' General Obligation Bond Oversight Committee (CGOBOC) which reviews audits and report on the expenditures of bond proceeds in accordance with the expressed will of the voters. The Department of Public Works (DPW) has prepared four quarterly reports thus far and has presented in front of the City's Citizens' General Obligation Bond Oversight Committee (CGOBOC) twice. A program web-site, <http://sfearthquakesafety.org/>, has been developed that contains information about the Bond Program, status of each component, as well as copies of the Quarterly Reports.
- Monthly meetings with the client departments, San Francisco Police Department and San Francisco Fire Department.
- MOUs have been drafted with each client department and are under consideration. Nonetheless, the terms and conditions are guiding the conduct of the inter-department relationships and the work.
- 60 days prior to the issuance of any portion of the bond authority, the Department of Public Works must submit a bond accountability report to the Clerk of the Board, the Controller, the Treasurer, the Director of Public Finance, and the Budget Analyst describing the current status of the Rebuild and whether it conforms to the expressed will of the voters. The report before you is intended to satisfy the reporting requirement.
- Two committees are established to review the Emergency Firefighting Water System work. These committees are the Management Oversight Committee, consisting of executive management from San Francisco Fire Department, Department of Public Works, and the San Francisco Public Utilities Commission, and the Technical Steering Committee, consisting of technical and operations managers from the same organizations.

ATTACHMENT 1 – PROGRAM BUDGET REPORT

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

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Earthquake Safety & Emergency Response Bond Program ESER 2014 Program Budget Report - Expenditures Thru Fiscal Year End 2017									
Status	Project	Category	Baseline Budget	Revised Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
NEIGHBORHOOD FIRE STATIONS									
SEISMIC IMPROVEMENTS									
DESIGN	*9635A NFS 35 Fire Boat	Soft Costs	15,139,310	5,042,143	2,089,580		1,302,697	478,522	308,361
		Construction	22,708,967	32,307,500	2,400,000		0	0	2,400,000
		Construction Contingency	0	2,600,000	0		0	0	0
		Subtotal	37,848,277	39,949,643	4,489,580	0	1,302,697	478,522	2,708,361
CONSTRUCTION	*9535A NFS Pier 26 Fire Boat Berthing	Soft Costs	250,000	491,864	590,700		422,680	28,929	139,091
		Construction	1,850,000	2,076,665	2,110,616		1,786,926	323,690	0
		Construction Contingency	0	483,835	45,934		0	0	45,934
		Subtotal	2,100,000	3,052,364	2,747,250	0	2,209,606	352,619	185,025
COMPLETE	*7848A NFS 48 Treasure Island	Soft Costs	371,545	302,718	302,718		302,718	0	0
		Construction	2,628,455	2,557,478	2,557,478		2,557,478	0	0
		Construction Contingency	0	0	0		0	0	0
		Subtotal	3,000,000	2,860,195	2,860,195	0	2,860,195	0	0
	9660A Hose Tower Removal & Roofing (Moved to Public Health & Safety Bond)	Soft Costs	384,996	0	0		0	0	0
		Construction	1,099,989	0	0		0	0	0
		Construction Contingency	0	0	0		0	0	0
		Subtotal	1,484,985	0	0	0	0	0	0
	Seismic Improvement Subtotal		44,433,262	45,862,202	10,097,025	0	6,372,499	831,140	2,893,386
VARIOUS	COMPREHENSIVE RENOVATIONS								
	9663A NFS 3	Soft Costs	2,074,078	994,500	726,268		163,355	81,423	481,489
		Construction	5,152,976	4,005,000	0		0	0	0
		Construction Contingency	772,946	400,500	0		0	0	0
		Subtotal	8,000,000	5,400,000	726,268	0	163,355	81,423	481,489
	9607A NFS 7	Soft Costs	538,946	466,000	329,615		161,081	6,250	162,284
		Construction	1,399,847	1,940,000	0		0	0	0
		Construction Contingency	139,985	194,000	0		0	0	0
		Subtotal	2,078,778	2,600,000	329,615	0	161,081	6,250	162,284

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Status	Project	Category	Baseline Budget	Revised Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
		NEIGHBORHOOD FIRE STATIONS							
VARIOUS		FOCUSED SCOPE PROJECTS							
		Roofing							
		Soft Costs	1,278,738	1,313,094	1,219,003		965,592	0	253,411
		Construction	3,470,897	3,334,754	3,686,537		1,458,502	1,818,436	409,599
		Construction Contingency	182,640	431,223	0		0	0	0
		Subtotal	4,932,275	5,079,071	4,905,540	0	2,424,094	1,818,436	663,009
		Exterior Envelope							
		Soft Costs	835,945	1,478,109	475,588		184,275	68,876	222,436
		Construction	2,388,421	3,298,612	189,576		2,551	0	187,025
		Construction Contingency	0	2,335	0		0	0	0
		Subtotal	3,224,366	4,779,056	665,164	0	186,826	68,876	409,462
		Emergency Generators							
		Soft Costs	33,466	201,244	126,825		13,834	0	112,991
		Construction	94,427	591,893	324,013		0	0	324,013
		Construction Contingency	0	0	0		0	0	0
		Subtotal	127,893	793,137	450,838	0	13,834	0	437,004
		Shower Replacement							
		Soft Costs	163,089	370,053	236,972		214,229	0	22,742
		Construction	465,968	753,356	183,775		183,772	0	3
		Construction Contingency	0	0	0		0	0	0
		Subtotal	629,057	1,123,409	420,746	0	398,001	0	22,745
		HVAC Improvements							
		Soft Costs	129,125	129,125	42,859		9,621	0	33,239
		Construction	370,875	370,875	6,336		0	0	6,336
		Construction Contingency	0	0	0		0	0	0
		Subtotal	500,000	500,000	49,196	0	9,621	0	39,575
		Window Replacement							
		Soft Costs	106,266	57,993	55,678		48,384	3,186	4,108
		Construction	305,792	271,763	288,578		270,061	0	18,518
		Construction Contingency	0	0	0		0	0	0
		Subtotal	412,058	329,756	344,257	0	318,445	3,186	22,626

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Earthquake Safety & Emergency Response Bond Program ESER 2014 Program Budget Report - Expenditures Thru Fiscal Year End 2017									
Status	Project	Category	Baseline Budget	Revised Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
NEIGHBORHOOD FIRE STATIONS									
Other Focused Scope Projects									
Sidewalk									
		Soft Costs	44,262	46,663	15,483		15,483	0	0
		Construction	166,464	164,063	104,010		104,010	0	0
		Construction Contingency	0	0	0		0	0	0
		Subtotal	210,726	210,726	119,493	0	119,493	0	0
Apparatus Bay Doors & Apparatus Bay Doors Access Control									
		Soft Costs	2,524,886	2,471,052	352,737		113,076	0	239,661
		Construction	8,143,514	5,758,678	844,782		731,749	1,211	111,823
		Construction Contingency	0	0	0		0	0	0
		Subtotal	10,668,400	8,229,730	1,197,519	0	844,825	1,211	351,483
Focused Scope Projects Subtotal									
		Soft Costs	5,115,777	6,067,333	2,525,145		1,564,495	72,062	888,588
		Construction	15,406,358	14,543,994	5,627,608		2,750,644	1,819,647	1,057,317
		Focused Scope Reserve	182,640	1,452,952	0		0	0	0
		Subtotal	20,704,776	22,064,279	8,152,753	0	4,315,139	1,891,709	1,945,904
STUDIES, PROGRAM MANAGEMENT & REQUIRED COSTS									
		Soft Costs	10,773,502	10,693,981	4,956,542	0	4,362,047	46,540	547,955
NFS Reserve									
		Program Reserve	6,301,511	3,990,343	0		0	0	0
		Unappropriated Bond Proceeds	0	0	8,925,132		0	0	8,925,132
*NEIGHBORHOOD FIRE STATIONS SUMMARY									
		Soft Costs	34,648,154	24,058,539	11,520,566		8,279,073	713,725	2,527,768
		Construction	50,246,592	57,430,637	12,695,702		7,095,048	2,143,337	3,457,317
		Contingency	7,397,082	9,121,631	8,971,066		0	0	8,971,066
		Subtotal	92,291,829	90,610,806	33,187,334	0	15,374,122	2,857,062	14,956,150

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Status	Project	Category	Baseline Budget	Appropriated	Reserve	Expended	FAMIS Encumbrance	Balance
EMERGENCY FIREFIGHTING WATER SYSTEM								
PRE-BOND PLANNING AND DEVELOPMENT								
Program	Pre-Bond Planning and Development							
		Soft Costs	0	0		0	0	0
		Construction	0	0		0	0	0
		Project Contingency						0
		Subtotal	0	0	0	0	0	0
AUXILIARY WATER SUPPLY SYSTEM (AWSS)								
Complete	Twin Peaks Reservoir - ESER 2014 CUWAW2AW23							
		Soft Costs		59,786	0	0	0	59,786
		Construction	643,518	682,000	0	643,518	0	38,482
		Project Contingency						0
		Subtotal	643,518	741,786	0	643,518	0	98,268
Construction	Pumping Station 2 (ESER 2014 Partial Funding) CUWAW2AW24							
		Soft Costs	1,000,000	1,000,000		0	0	1,000,000
		Construction	4,000,000	1,000,000		0	0	1,000,000
		Project Contingency						0
		Subtotal	5,000,000	2,000,000	0	0	0	2,000,000
Complete	ESER 2014 Assessments CUWAW2AW30							
		Soft Costs	1,185,004	1,199,551	0	1,165,249	0	34,302
		Construction		30,000	0	18,462	1,752	9,786
		Project Contingency						0
		Subtotal	1,185,004	1,229,551	0	1,183,711	1,752	44,088
Various	Pipelines (Projects 29; 31-44)							
		Soft Costs	12,077,425	14,098,416		2,345,085	488,700	11,264,632
		Construction	32,688,947	3,530,000		446,072	855,076	2,228,852
		Project Contingency					0	0
		Subtotal	44,766,372	17,628,416	0	2,791,157	1,343,776	13,493,484
Program	CUWAW200							
		Soft Costs	2,470,106	32,465,247	0	259,504	56,186	32,149,557
		Construction		0	0	0	0	0
		Project Contingency		0				0
		Subtotal	2,470,106	32,465,247	0	259,504	56,186	32,149,557
AUXILIARY WATER SUPPLY SYSTEM (AWSS)								
		Soft Costs	16,732,535	48,823,000	0	3,769,838	544,885	44,508,276
		Construction	37,332,465	5,242,000	0	1,108,052	856,828	3,277,120
		Project Contingency	0	0	0	0	0	0
		Subtotal	54,065,000	54,065,000	0	4,877,890	1,401,713	47,785,396

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

* Other funding sources include:

(a) OCME (General Funds)

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

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

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

TOTAL

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

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

(1) Bond Sale Premiums

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

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

- 54,227,613 - -

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

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

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

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

(3) Due to additional allocation of \$2.3M under ESER 2010 NFS, an equivalent amount is re-allocated from ESER 2014 NFS to fund OCME

- - - -

PROGRAM TOTAL

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

ATTACHMENT 2 – CONTACT INFORMATION

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Public Utilities Commission					
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