

Earthquake Safety & Emergency Response Bond Program 2010, 2014, and 2020

July 18, 2022



San Francisco
Water Power Sewer
Services of the San Francisco Public Utilities Commission



ONESF
Building Our Future

ESER 2010 Bond Overview

- **Scope:** A comprehensive program to enhance earthquake safety and emergency response by ensuring that police and fire facilities and infrastructure remain uncompromised in the mission to ensure public safety, particularly after a major earthquake or disaster.
- **Bond Authorization Total:** \$412,300,000
- **Amount Issued to Date:** \$416,758,554

Bond Components and Projects	Appropriations (i)	Expenditures	Encumbrances	Balances	Expenditures/ Appropriations
Public Safety Building (PSB)	229,379,359	229,241,959	0	137,400	100%
Neighborhood Fire Stations (NFS)	80,941,986	75,549,672	387,472	5,004,841	93%
Auxiliary Water Supply System (AWSS)	102,400,001	101,971,898	428,102	0	100%
Oversight, Accountability & Cost of Issuance (ii)	3,931,489	3,491,335	0	440,154	89%
Public Works Program Reserve	105,719	0	0	105,719	0%
TOTAL	416,758,554	410,254,864	815,575	5,688,115	98%

Financial data as of 7/01/2022

(i) Includes appropriated interest \$4.4M

(ii) Cost of issuance includes manual adjustment for underwriter fees \$1.38M

ESER 2010 Status Update

Bond Component	Accomplishments/Milestones
Public Safety Building	Completed April 2015
Neighborhood Fire Stations – Major Projects	Fire Station 16 Replacement completed January 2019 Fire Station 5 Replacement completed April 2019
Neighborhood Fire Stations – Focused Scope	Completed replacement of Apparatus Bay Doors at 12 Fire Stations Replacement of Emergency Generator at Fire Station 14 will be bid in mid FY 22-23
Auxiliary Water Supply System	Completed projects: thirty cisterns, Twin Peak Reservoir, Ashbury Tank, Jones Street Tank and Valves, and controls improvements, probabilistic analysis and field investigations of existing pipeline, Ashbury Bypass pipeline, Irving Street pipeline, and Pumping Station 1. Pumping Station 2 in construction, expected completion by end of 2022.

ESER 2014 Bond Overview

- **Scope:** ESER 2014 builds on the ESER 2010 Bond Program. A comprehensive program to enhance earthquake safety and emergency response by ensuring that first responders' facilities and infrastructure remain uncompromised in the mission to ensure public safety, particularly after a major earthquake or disaster.
- **Bond Authorization Total:** \$400,000,000
- **Amount Issued to Date:** \$400,000,000

Bond Components and Projects	Appropriations	Expenditures	Encumbrances	Balances	Expenditures/ Appropriations
Office of the Chief Medical Examiner (OCME)	67,533,024	67,470,731	0	62,293	100%
Traffic Company & Forensic Services Division (TCFSD)	178,895,790	170,460,257	867,025	7,568,508	95%
Police Facilities (PF)	26,845,661	25,987,699	73,327	784,635	97%
Neighborhood Fire Station (NFS)	67,630,741	61,419,658	255,285	5,955,797	91%
Emergency Firefighting Water System (EFWS)	54,347,209	48,864,633	3,519,518	1,963,059	90%
Oversight, Accountability & Cost of Issuance (i)	4,296,388	3,659,949	0	636,440	85%
Public Works Program Reserve	451,188	0	0	451,188	0%
TOTAL	400,000,000	377,862,927	4,715,154	17,421,919	94%

Financial data as of 7/01/2022

(i) Cost of issuance includes manual adjustment for underwriter fees \$2M

ESER 2014 Status Update

Bond Component	Accomplishments/Milestones
Office of the Chief Medical Examiner	Project is complete and the facility opened for business on November 6, 2017
Traffic Company & Forensic Services Division (TCFSD)	<ul style="list-style-type: none"> • Notice To Proceed for New Construction issued on 10/7/19; Substantial Completion achieved on 8/27/21; 25 days ahead of schedule Final Completion achieved on 10/21/21 • Phased move-in by SFPD and RED began in November 2021 & the Crime Lab began in February 2022 • SFAC Public Art installation scheduled for summer 2023
Neighborhood Fire Stations – Major Projects	Fireboat Station 35 at Pier 22½: Substantial Completion achieved on 2/28/2022; final Completion projected in July 2022
Neighborhood Fire Stations – Focused Scope	<ul style="list-style-type: none"> • FS 2 Generator Replacement Substantial Completion projected on July 18, 2022 • Completed replacement of Apparatus Bay Doors at 25 Fire Stations in 2018-2021 • Completed replacement of Emergency Generator at Fire Station 31 in July 2020 • Completed Exterior Envelope Improvements at 3 Fire Stations (FS 8, 20, 29) in 2018-2020 • Completed Shower Renovations at Fire Stations 17, 19, and 33 in September 2019
District Police Stations	<ul style="list-style-type: none"> • 3 Focused Scope projects completed at 7 stations (Northern, Richmond, Taraval, Park, Ingleside, Bayview, Tenderloin) • 2 Focused Scope projects cancelled (Police Academy and Mission Station)
Emergency Firefighting Water Supply (EFWS)	<p>Completed projects: Candlestick Point pipeline, Columbus Avenue pipeline, Fillmore/Haight pipeline, and Mariposa/Terry Francois Blvd. Pipeline, Mission Street pipeline, and Terry Francois Blvd./Mission Rock Street/Warriors Way pipeline.</p> <p>In construction: 19th Avenue pipeline, Clarendon Supply pipeline.</p>

ESER 2020 Bond Overview

- **Scope:** ESER 2020 builds on the Earthquake Safety and Emergency Response Bonds approved by San Francisco voters in 2010 and 2014. A comprehensive program to enhance earthquake safety and emergency response by ensuring that first responders' facilities and infrastructure remain uncompromised in the mission to ensure public safety, particularly after a major earthquake or disaster.
- **Bond Authorization Total:** \$628,500,000
- **Amount Issued to Date:** \$167,805,000 ¹
- **Anticipated Future Issuances:** \$460,695,000
- **Anticipated Date of Next Issuance:** Q3 FY2023

¹ Includes underwriter fees \$329K

ESER 2020 Bond Issuance and Expenditure Summary

Bond Components and Projects	Bond Authorized Amount	Adjusted Budget (i)	Appropriations	Expenditures	Encumbrances	Balances	Expenditures/ Appropriations
Emergency Firefighting Water System	153,500,000	151,170,852	35,000,000	2,426,174	8,242,761	24,331,065	7%
Neighborhood Fire Stations & Support Facilities	275,000,000	270,827,260	74,416,188	41,301,472	426,105	32,688,611	56%
District Police Stations & Support Facilities	121,000,000	119,163,994	32,022,200	3,779,107	659,076	27,584,017	12%
Disaster Response Facilities (Kezar Pavilion)	70,000,000	68,937,848	15,855,705	1,119,867	134,541	14,601,297	7%
9-1-1 Response Facilities	9,000,000	8,863,438	8,863,438	1,360,963	340,823	7,161,651	15%
Oversight, Accountability & Cost of Issuance (ii)		9,536,608	1,647,469	1,045,196	0	602,273	63%
TOTAL	628,500,000	628,500,000	167,805,000	51,032,778	9,803,307	106,968,915	30%

Financial data as of 7/01/2022

(i) Adjusted budget net of Oversight, Accountability, & Cost of Issuance

(ii) Includes manual addition \$329K to account for Underwriter Fee, paid prior to depositing bond proceeds

ESER 2020 Status Update & Key Changes

Component	Accomplishments/Milestones
Emergency Firefighting Water Supply (EFWS)	<p>In planning and design phase: Fireboat Manifolds project Potable Emergency Firefighting Water System (PEFWS) planning expected to be completed December 2022</p> <p>In construction: PEFWS pipeline on Vicente Street from 19th Avenue to 26th Street, and PEFWS pipeline on 19th Avenue from Vicente Street to Sloat Boulevard</p>
Neighborhood Fire Stations & Support Facilities	<p>Fire Training Facility (FTF)</p> <ul style="list-style-type: none"> • Programming Phase, Architect/Engineer Team Interviews, Construction Mgr./Gen'l Contractor (CM/GC) Request for Qualifications – placed on hold at SFFD's request in October 2021; • MOU draft submitted to SFFD in April 2021; comments provided by the SFFD in June 2022 • CEQA Initial Study completed; Board of Supervisors approved Final Mitigated Negative Declaration in February 2022 <p>Fire Station 7 Replacement: <i>On hold pending budget determination for FTF project</i></p>
District Police Stations & Support Facilities	<ul style="list-style-type: none"> • Mission Structural Improvement: Building permit was approved and ready for issuance. Contract to EVRA Construction, Inc. was awarded on 6/9/22; targeting Notice To Proceed by end of July 2022. • Ingleside Replacement: 50% Schematic Design Phase achieved. Request for Proposals for CM/GCs to be issued in August 2022 to a list of firms prequalified in December 2021 through a competitive Request for Qualifications solicitation. • Surge Facility (Make-Ready project for Ingleside): Concept Design complete for installation of a Surge Facility at 1828 Egbert. • Pistol Range Replacement & Taraval Seismic Upgrade: projects were not selected to proceed under the ESER2020 Bond Program due to bond funding capacity.
Disaster Response Facilities (Kezar Pavilion)	<ul style="list-style-type: none"> • Refining conceptual plans to submit to City Planning for historic resource evaluation and review • Hazardous material testing for structures and site soils commissioned. Maher testing completed • Conceptual site development work proceeding and being refined • Plan to initiate formal public outreach process in late winter/ early spring
911 Call Center Renovation	<ul style="list-style-type: none"> • Building permit was approved April 2022 • Project was advertised in May 2022; three (3) bids were received in June 2022; bid protest received; Notice To Proceed is to be determined

ESER 2020 Program Schedule Overview

Component	Planning / Design / Permits	Bid Award	Construction
Emergency Firefighting Water Supply (EFWS)	In progress – 12/24	1/21 – 6/25	6/21 – 12/27
Neighborhood Fire Stations & Support Facilities	FTF: 09/22 - 09/25	FTF: 03/25 - 03/27	FTF: 06/25 - 06/28
District Police Stations & Support Facilities	04/21 – 05/24	10/21 – 09/24	07/22 – 06/27
Disaster Response Facilities (Kezar Pavilion)	04/21 – 4/24	4/24 – 09/24	09/24 – 9/26
911 Call Center	05/21 – 04/22	05/22 – 09/22	09/22 – 09/23

ESER 2020 Upcoming Challenges and Risks

Component	Challenges & Risks
Emergency Firefighting Water Supply (EFWS)	Unforeseen field conditions may delay project schedule and increase cost
Neighborhood Fire Stations & Support Facilities	Fire Training Facility <ul style="list-style-type: none">• Securing the Port of SF property through State Lands process• Aligning completion of facility with the target exit from Treasure Island
District Police Stations & Support Facilities	Ingleside Police Station situated in a site located within Balboa Park and adjacent to an underground BART tunnel.
Disaster Response Facilities (Kezar Pavilion)	<ul style="list-style-type: none">• Historic Resource Evaluation may impact project schedule and cost pending Planning Departments final recommendations• Structural destructive testing may uncover unanticipated, unforeseen conditions.
911 Call Center	<ul style="list-style-type: none">• Construction in an existing facility while maintaining uninterrupted client department operation in the same building.

ESER2020 Police Facilities Component

Budget Forecast, December 2021

BOND AUTHORIZATION BUDGET 121,000,000

	ALL PROJECTS	INGLESIDE	SURGE FACILITY	MISSION	PISTOL RANGE	TARAVAL
PROGRAM BUDGET FORECAST	214,129,000					
PROJECT TOTAL	200,197,000	94,855,000	12,272,000	1,399,000	55,598,000	36,073,000
Project Controls Subtotal	57,160,000	26,180,000	3,516,000	819,000	16,225,000	10,420,000
Design	24,792,000	11,413,000	1,484,000	142,000	7,092,000	4,661,000
Other Proj. Controls Costs	32,368,000	14,767,000	2,032,000	677,000	9,133,000	5,759,000
Total Construction Subtotal	130,653,000	63,403,000	8,243,000	476,000	35,460,000	23,071,000
Principal Construction Contract	107,694,000	53,507,000	6,500,000	321,000	28,155,000	19,211,000
Other Construction Costs	22,959,000	9,896,000	1,743,000	155,000	7,305,000	3,860,000
Contingencies/ Reserves	12,384,000	5,272,000	513,000	104,000	3,913,000	2,582,000
OTHER PROGRAM COSTS	13,932,000					
Program-wide Reserves	10,706,000					
Pre-bond Facilities Studies	1,390,000					
Bond Finance Costs	1,836,000					

Ingleside District Police Station Replacement



Location:

1 Sgt. John V. Young Lane

Project Background

- Existing police station was built in 1910
- A major seismic event would impair the ability to perform its service function
- Major deficits pertaining to basic functions, security and life safety

Ingleside District Police Station Replacement

Project Objectives and Goals

1. Expand the facility to meet modern policing needs and enhance operational efficiencies
2. Allow for continuous operation after a major earthquake
3. Save the historic building structure
4. Build a sustainable, energy-efficient, and durable facility
5. Provide a secured, safe and healthy work environment
6. Provide a welcoming community experience

Project Scope

1. Altering and rehabilitating the historic building structure
2. Constructing a new three-story support building on site
3. Constructing a new one-story community meeting pavilion
4. Installation of the Surge Facility – a Make-Ready project for the construction of Ingleside Police Station Replacement

Ingleside District Police Station Replacement

June 2022

Budget Forecast	95,384,000
Project Controls Subtotal	26,544,000
Architecture and Engineering	11,413,000
Other Project Controls Costs	15,131,000
Total Construction Costs	63,403,000
Principal Construction Contract	53,507,000
Other Construction Costs	9,896,000
Contingencies/Reserves	5,437,000

Ingleside District Police Station Replacement

Project Delivery

1. Solicitation underway for a CM/GC (Construction Manager/ General Contractor)
2. Notice To Proceed for Construction targeted November 2024

Issues related to spending and scope changes

1. Local market construction escalation and supply chain issues
2. Unforeseeable conditions associated with rehabilitation of historic building
3. Unknown conditions working within Balboa Park and adjacent BART tunnel structure

Kezar Pavilion- Disaster Response Facility



Location

755 Stanyan Street
Golden Gate Park

Project Background

- Pavilion constructed in 1926 and the annex addition in phases between 1935-1964
- Pavilion is an historic structure and on the national registrar of historic places
- A major seismic event would impair the structure's ability to perform its service function and would create public life/safety issues.
- Facility will serve as a post-disaster response facility (i.e shelter, command center, resource staging, etc) and will function as a community recreation facility in non-disaster times.



Kezar Pavilion- Disaster Response Facility

Project Objectives and Goals

1. Seismically strengthen the pavilion and augment spaces for multi purpose function
2. Pavilion designed to accommodate both disaster response needs and requirements as well as public recreation
3. Remove annex structure and construct new multi-purpose addition. New addition will continue to house SF Rec Park Rangers
4. Maintain historic structure/elements
5. Build a sustainable, energy-efficient, and code compliant facility
6. Provide a welcoming and safe community experience

Project Scope

1. Altering and rehabilitating the historic building structure (Pavilion)
2. Significant seismic structural work
3. Renovated and new structures will be designed as multi-purpose, flexible functioning spaces
4. Constructing a new three-story annex building replacing old structure.
5. Improve pedestrian and vehicle circulation around the building

Kezar Pavilion- Disaster Response Facility

July 2022

Budget Forecast	88,000,000
Project Controls Subtotal	19,245,000
Architecture and Engineering	9,112,500
Other Project Controls Costs	10,132,500
Total Construction Costs	58,027,100
Principal Construction Contract	55,553,920
Other Construction Costs	2,473,180
Contingencies/Reserves	10,727,900

Notes:

- Revised construction cost estimate in progress, expected August 2022
- ESER Bond: \$70M
- 2020 Health and Recovery Bond: \$5M
- Grants/Philanthropic: \$13M

Kezar Pavilion- Disaster Response Facility

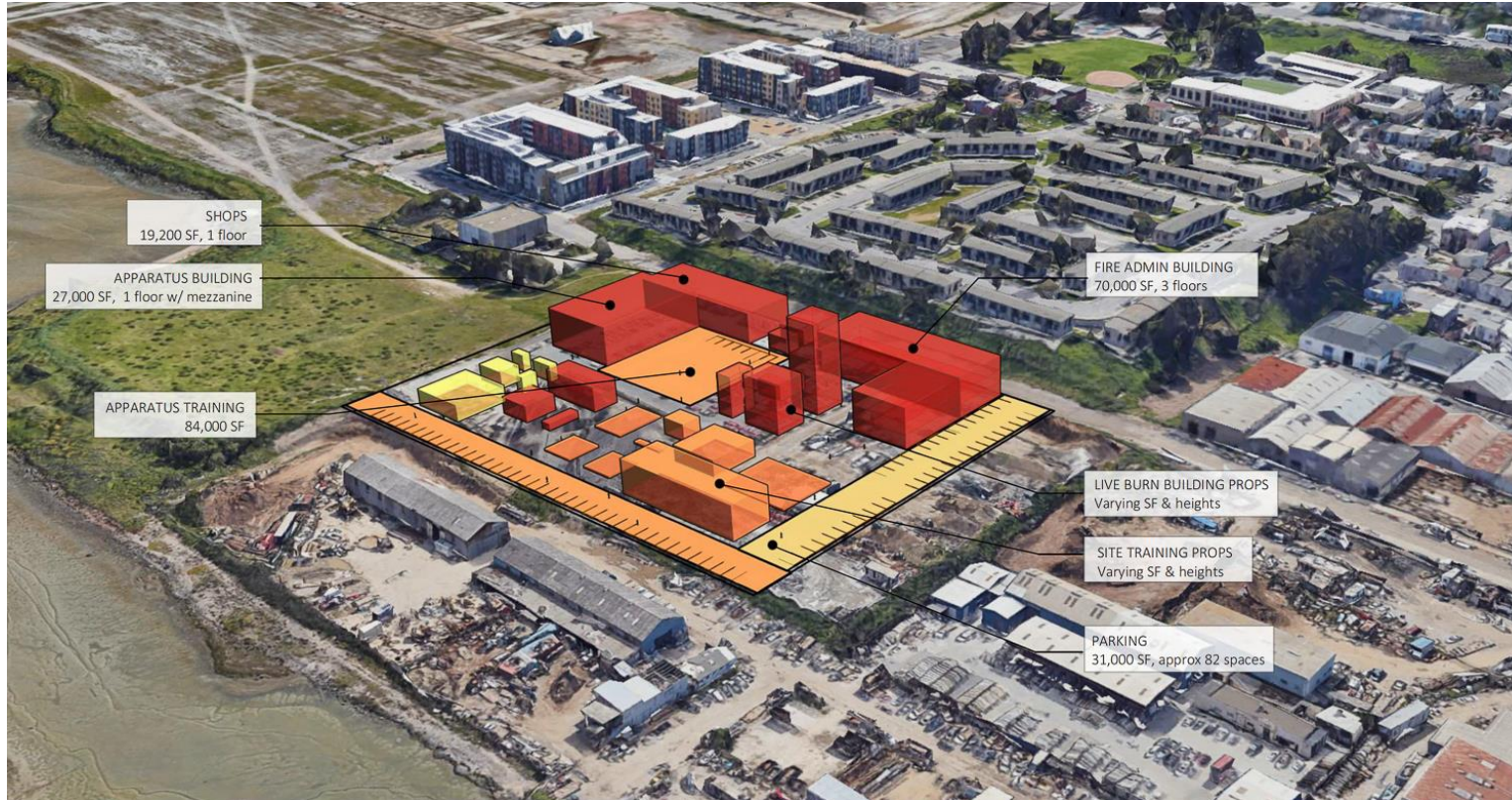
Project Delivery

1. Beginning process for a CM/GC (Construction Manager/ General Contractor)
2. Notice to Proceed for Construction targeted Summer 2024

Issues related to spending and scope changes

1. Local market construction escalation and supply chain issues
2. Unforeseeable conditions associated with rehabilitation of historic building
3. CEQA planning process on an historic building

Fire Training Facility Replacement



Location:

1236 Carroll Avenue

Project Background

- FTF at Treasure Island obliged to depart TI for emerging development
- Dept of Training Facility at Station 7 to join TI functions at 1236 Carroll
- BOS approval of CEQA in Feb 2022
- 1236 Carroll secured; Port property/State Lands approval in Fall 2022

Fire Training Facility

Project Objectives and Goals

1. Provide a facility to meet modern firefighter training needs
2. Allow for continuous operation after a major earthquake
3. Build a sustainable, energy-efficient, and durable facility
4. Provide a secured, safe and healthy work environment

Project Scope

Consolidate all training functions at single site including:

1. Administrative Bldg. w/ classrooms
2. Apparatus training and storage building
3. Shop/Maintenance Building
4. Props:
 - a. Training Tower
 - a. Condo/Apartment
 - b. Victorian House'
 - c. Burn rooms
 - d. Vehicle fire apparatus training hill
 - e. Mock BART platform

Fire Training Facility

	July 2020	July 2022
Budget Forecast	256,688,000	274,880,000
Project Controls Subtotal	47,028,000	50,890,000
Architecture and Engineering	17,681,000	19,214,000
Other Project Controls Costs	29,347,000	31,676,000
Total Construction Costs	158,040,000	171,430,000
Principal Construction Contract	151,690,000	165,080,000
Other Construction Costs	6,350,000	6,350,000
Contingencies/Reserves	10,620,000	11,560,000
Land Cost	41,000,000	41,000,000

- Budget delta attributable to midpoint of construction shifting from January 2025 to July 2026

Fire Training Facility

Project Delivery - Key Next Steps

1. Executive Architect interviews scheduled for July 20, 2022
2. Resume Functional Program reiteration – September 2022
3. Price next test-fit to site – December 2022
4. Next major contract solicitation – CM/GC Request for Qualifications (Construction Mgr./ Gen. Contractor) – November 2022

Issues related to spending and scope changes

1. Avoidance of further project delays – shorten up on this midpoint
2. Construction Mgr./Gen. Contractor (CM/GC) entry at completion of Schematic Design Phase
3. Major trade contractors' pricing
4. Supply chain delays (equipment, materials)



ESER Webpage:
www.sfearthquakesafety.org