

DEPARTMENT OF PUBLIC WORKS



Earthquake Safety and Emergency Response Bond Program

Citizens General Obligation Bond
Oversight Committee

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EXECUTIVE SUMMARY

In June 2010, 79% of the voters approved the Earthquake Safety and Emergency Response (ESER) bond program in the amount of \$412,300,000. The ESER Program will improve earthquake safety of selected fire stations and ensure firefighters a reliable water supply for fires and disasters, through various projects including: improving deteriorating pipes, hydrants, reservoirs, water cisterns and pumps built after the 1906 earthquake; improving neighborhood fire stations; replacing the seismically-unsafe emergency command center at Hall of Justice with an earthquake-safe Public Safety Building.

In December 2010, the Controller's Office of Public Finance competitively sold \$79.52 million aggregate principal amount of general obligation bonds (Earthquake Safety and Emergency Response Bonds, 2010). This is the first of four bond sales. The first sale of the ESER bond will fund (a) additional design and development of the Public Safety Building (PSB); (b) the first phase of construction of the PSB in the fall of 2011; (c) the analysis of the Auxiliary Water Supply System (AWSS) to define the plan of pipe network repair and replacement; (d) initial design and development of the AWSS core, above-ground facilities; (e) the planning and feasibility study of new cistern locations; and (f) and planning and feasibility studies to replace and/or repair select fire stations.

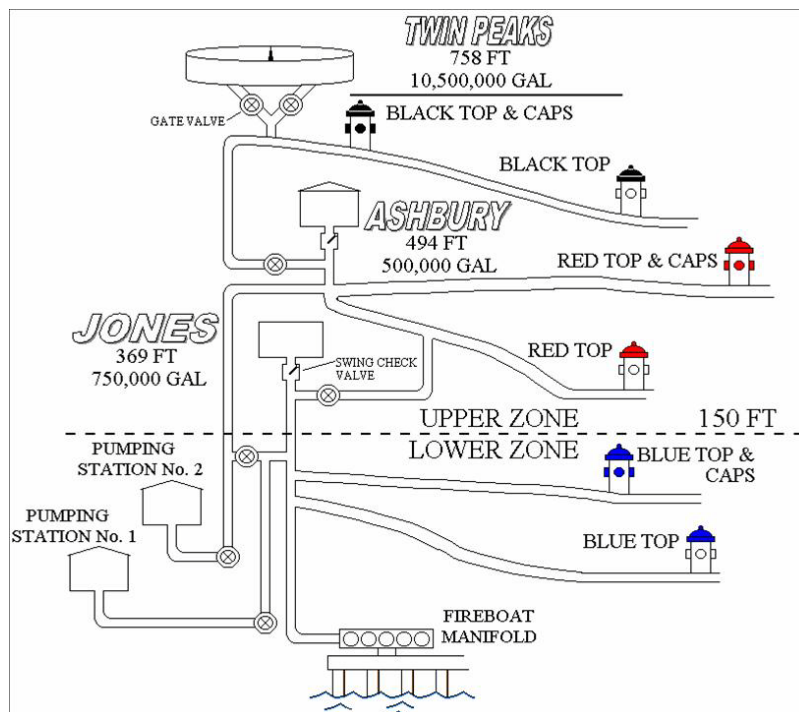
Initial development of the scope, schedule, and budget for each element of the ESER bond occurred prior to the passage of the bond through planning funds made available by the City's Capital Planning process. Among the three major bond elements of Public Safety Building (PSB), Fire Stations and the AWSS, the scope of the PSB alone was developed through Schematic Design in large part owing to the fact that it is a discrete project and the largest among all ESER Bond Program projects with a budget of \$243 million. The balance of the voter-approved bond program established financial program budgets for the fire stations and the AWSS, but the specific projects and scope of individual projects have not yet been defined. The financial program budgets were developed to a conceptual level, sufficient to assemble rough-order-of-magnitude cost estimates, which along with prudent contingencies to account for the absence of detailed design, are expected to be sufficient to accomplish the planned first phase of what is expected to be a series of capital programs to improve the City's fire stations and AWSS.

Baseline budgets and schedules are not provided for the fire stations and AWSS projects owing to the need to sufficiently develop the projects to a level where baseline budgets and schedules can be reliably offered and will serve as the basis for measuring accountability going forward. Baseline budgets and schedules are provided in this report for the Public Safety Building.

PROGRAM SUMMARY AND STATUS

Auxiliary Water Supply System (AWSS)

Background: Following an earthquake, the San Francisco Auxiliary Water Supply System (AWSS) is vital for protecting against the loss of life, as well as the loss of homes and businesses. The AWSS is used throughout the year for the suppression of multiple-alarm fires. It provides an additional layer of fire protection, in addition to the domestic water system, in the event of a major earthquake. The AWSS delivers water at high pressure and includes two pump stations, two storage tanks, one reservoir, and approximately 135 miles of pipes. Additionally, the system includes 52 suction connections along the northeastern waterfront, which allow fire engines to pump water from San Francisco Bay, and two fireboats that supply seawater by pumping into any of the five manifolds connected to the AWSS pipes. The AWSS also includes 1,600 hydrants and 3,828 valves.



Projects' Description: The Earthquake Safety and Emergency Response Bond will improve and seismically upgrade the Auxiliary Water Supply System (AWSS) Core Facilities, - two pump stations, two storage tanks, and the primary reservoir, as well as associated s cisterns, pipe network and tunnels and is budgeted as follows:

AWSS Core Facilities	\$35.0 M
Cisterns	\$36.6 M
Pipe Network and Tunnels	\$32.6 M
Total	\$104.2 M

These budget numbers should not to be construed as the baseline budget. Further delineation of the specific improvements to each element of the AWSS is required to establish the baseline budgets that will be appropriate for monitoring the financial status of each project.

Projects' Status: The AWSS Core Facilities have been developed through a conceptual level of development, including the historic evaluation that was necessary to collect environmental clearance for all five sites. The Cisterns and Pipe Network and Tunnels elements for the AWSS were not specifically identified, i.e. particular locations or scope of work, so no environmental clearance was possible prior to the bond measure being placed on the ballot.

The transfer of the AWSS from the Fire Department to the SFPUC has created a new working relationship between DPW serving as the ESER bond program's manager and the SFPUC who will provide the project management and engineering resources necessary to deliver the various AWSS projects. Upon receipt of funds of the first bond sale, and the selection of the project manager to be dedicated to the AWSS projects (expected in February 2011), a work plan will be developed by DPW and SFPUC that will serve to define the project list, the scope of individual projects and the baseline budgets and schedules for the ESER 1 AWSS projects.

Neighborhood Fire Stations

Background: There are 42 fire stations in San Francisco located strategically in every neighborhood. Hundreds of firefighters inhabit these fire stations every day. While the stations may look updated on the outside, many of the fire stations have structural, seismic, and other deficiencies. Some may not be operational after a large earthquake or disaster; threatening the ability of the firefighters to respond to an emergency.

Project Description: This bond will renovate or replace fire stations to provide improved safety and a healthy work environment for the firefighters. Neighborhood fire stations will be selected for repair, rehabilitation, improvement, or replacement based on the criteria described below.

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

Projects' Status: Prior to approval of the bond program, the majority of the City's fire stations and related facilities were assessed for their respective condition and to identify vulnerabilities or deficiencies that could compromise their essential role as venues for first responders. The assessments provided a basis for the Fire Department to objectively prioritize capital improvement projects to most effectively preserve the Department's capacity to deliver timely emergency response services.

The assessment reports were reviewed by cost estimators who prepared estimates of the cost of correcting the conditions noted in the assessments. During the Assessment Phase, a cost estimate for any particular deficiency was based on a number of assumptions, including the estimated scope of work to correct the deficiency, additional work that may be triggered by the repairs, and the context for performing the work, the project delivery method, and whether the building will remain occupied or not during construction. The cost estimates indicate only the overall "order of magnitude" of the various facility deficiencies and relative proportions of various types of work. The usefulness of the estimates in establishing total project costs to correct deficiencies at particular facilities is limited to planning purposes.

Fire Stations Capital Improvement Plan: A detailed Fire Stations Capital Improvements Plan (CIP) is under development in consultation with the San Francisco Fire Department. A key consideration of the Fire Stations CIP has been identification of work that can be performed without impairing station operations, and determination of an acceptable sequence of temporary facility deactivations to expedite safe execution of the work while maintaining sufficient Fire Department capacity to respond to emergencies. Another key consideration will be the ratio of planned project benefits to project cost. Candidate projects were assigned point scores reflecting their capacity to achieve the types of improvements listed below.

1. Seismic safety improvements
2. Emergency systems improvements, including emergency power generators
3. Americans with Disabilities Act (ADA) requirements
4. Boiler and facility heating improvements
5. Indoor air quality improvements
6. Water-proofing and infiltration protection improvements

Project scores took into consideration the probability and consequences of potential health and property losses in the adjacent neighborhood, and the cost of the improvement projects. Projects with higher scores were assigned higher priority in the development of the Fire Stations CIP.

A list of projects to be completed by the ESER bond was identified by DPW and the Fire Administration, and accepted by the Fire Commission at their meeting of September 23, 2010. More detailed investigations and development of conceptual designs will be performed during the first six months of 2011 to clearly define the scope of work, cost and schedule at each individual facility.

Accordingly, baseline budgets and schedules are expected to be developed by DPW in consultation with the Fire Department by June, 2011.

The ESER bond program is anticipated to complete improvements to 16 of the 42 neighborhood fire stations, as well as the Fire Boat Station and the Equipment Logistics Center, which will consolidate the Bureau of Equipment (currently at 2501 25th Street) with the Emergency Medical Services and Arson Task Force at 1415 Evans, and the corresponding budget of \$64M is preliminarily budgeted as follows:

Category	Fire Stations	Preliminary Budget
Programming and Project Development		\$1.5M
Seismic Improvement Projects	05, 22, 43, Fire Boat Station; Equipment Logistics Center	\$52.0M
Comprehensive Renovation projects	02, 36	\$6.3M
Focused Scope Projects	06, 13, 15, 17, 18, 28, 38, 40, 41 ,42, 44	\$4.2M
Total		\$64.0M

These budget numbers should not to be construed as the baseline budget. Further delineation of the specific improvements at each fire station is required to establish the baseline budgets that will be appropriate for monitoring the financial status of each project.

Public Safety Building



View from corner of Third Street and Mission Rock Street

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

Background: The functionality of the entire police department in the event of a major catastrophe relies on the ability of the police leadership 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. Services they provide include being the first to arrive at a crime scene, maintaining the peace during difficult situations, assisting in the investigation of criminal activity; providing support to other first responders including the Fire Department and the Medical Examiner.

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.

Project Description: The project of approximately 290,000 square feet includes, a police station, a police command center headquarters, a fire station, and adaptive reuse of Fire Station # 30 to provide for multi-use by the fire and police departments 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.

Projects' Status: The Public Safety Building total project budget is \$243 million with a bid-day construction budget of \$164 million; related other construction pertinent costs, such as change order contingency, art enrichment, and inflation reserve, total approximately \$36 million for an approximate \$200 million construction total. The balance of approximately \$43 million is attributable to the project's development costs, including all consulting fees, City project management and construction management services.

The resumption of the Schematic Phase restarted in November and is expected to conclude in February 2011. The San Francisco Arts Commission's Civic Design Review committee voted to recommend the approval of the Phase 1 review of the project to the full commission at its first meeting in February 2011. The balance of the design and documents' development will occur through July of 2012 and construction will begin in October of 2011, with substantial completion expected November 2013 and occupancy within 4 months of this date..

BUDGET AND FUNDING

• BUDGET

The amounts shown below indicate order-of-magnitude budgets for projects for which the scope of work and baseline budgets and schedules have not yet been established, except for those elements shown in **BOLD**, which indicate the financial program-level budget commitments and the baseline budget for the Public Safety Building.

Description	Budget	Schedule	
	Total	Start	Completion
NEIGHBORHOOD FIRE STATIONS	64,000,000	1/1/2011	9/30/2016
Fire Boat Station	19,526,085	11/1/2010	9/30/2016
Equipment Logistics Center	11,715,856	11/1/2010	9/30/2016
Stations 6, 13, 28, 38, 41, 42	1,941,530	11/1/2010	3/31/2012
Station 5	6,919,461	11/1/2010	1/31/2014
Station 2	3,703,576	11/1/2010	4/31/2013
Station 36	2,631,272	7/1/2012	9/30/2015
Station 44	582,562	11/1/2010	9/30/2012
Station 17	776,407	10/1/2011	7/31/2013
Stations 15, 18 40	970,252	10/1/2011	7/31/2013
Station 43	8,325,616	1/1/2012	2/28/2015
Station 22	5,360,492	10/1/2011	12/31/2014
Programming and Project Development	1,546,893		
PUBLIC SAFETY BUILDING	239,000,000	10/1/2010	12/31/2013
SUBTOTAL	303,000,000	10/1/2010	9/30/2016
AUXILIARY WATER SUPPLY SYSTEM (AWSS)	34,400,000	1/1/2011	12/31/2016
Jones Street Tank	6,500,000	1/1/2011	3/31/2014
Ashbury Heights Tank	5,900,000	1/1/2011	12/31/2015
Twin Peaks Reservoir	4,300,000	1/1/2011	6/30/2017
Pump Station No. 2	14,200,000	1/1/2011	9/30/2014
Pump Station No. 1	3,500,000	1/1/2011	3/31/2016

Description	Budget	Schedule	
	Total	Start	Completion
FIREFIGHTING CISTERNS	36,000,000	1/1/2011	6/30/2017
Contract No. 1	3,600,000	1/1/2011	12/31/2013
Contract No. 2	10,800,000	5/1/2012	6/30/2016
Contract No. 3	10,800,000	2/1/2013	12/31/2016
Contract No. 4	10,800,000	7/1/2013	6/30/2017
FIREFIGHTING PIPES AND TUNNELS	32,000,000	2/1/2011	8/31/2017
AWSS Modernization CIP Study	3,000,000	2/1/2011	6/30/2012
Contract No. 1	9,570,070	5/1/2012	8/31/2016
Contract No. 2	9,570,070	5/1/2012	2/28/2017
Contract No. 3	9,859,860	5/1/2012	8/31/2017
SUBTOTAL	102,400,000	1/1/2011	8/31/2017
BOND OVERSIGHT/ACCOUNTABILITY/COI	6,900,000	2/1/2011	8/31/2017
Neighborhood Fire Stations	1,100,000	2/1/2011	6/30/2012
Public Safety Building	4,000,000	5/1/2012	8/31/2016
AWSS	1,800,000	5/1/2012	2/28/2017
TOTAL ESER BUDGET	412,300,000	10/1/2010	8/31/2017

Last reporting quarter, the budgets for the Neighborhood Fire Stations, Public Safety Building, and AWSS included the Bond Oversight/Accountability and Cost of Issuance (COI) amounts. This reporting period the budgets were reduced accordingly: Neighborhood Fire Stations was reduced by \$1.1M from \$65.1M to \$64.M; Public Safety Building was reduced by \$4M from \$243M to \$239M; and AWSS was reduced by \$1.8M from \$104.2M to \$102.4M.

• FUNDING

Based on the projected budgets and schedules, a plan has been developed to break funding into four sales. The strategy for sales is as follows:

Date	Direct Project Costs	Bond Oversight / Accountability Cost of Issuance	Total
December 2010	78,620,610	1,289,390	79,910,000
July 2011	134,904,068	2,145,932	137,050,000
July 2012	117,811,322	1,963,678	119,775,000
July 2014	74,064,000	1,501,000	75,565,000
Total Bond Program	405,400,000	6,900,000	412,300,000

In December 2010, the City competitively sold \$79.52 million aggregate principal amount of general obligation bonds (Earthquake Safety and Emergency Response Bonds, 2010) (the "Bonds") to finance the construction, acquisition and improvements of facilities and infrastructure relating to Earthquake Safety and Emergency Response Program.

The planned distribution of bond sales between DPW and PUC is as follows:

Sale	DPW	PUC	Total
First	70,223,681	8,396,929	78,620,610
Second	133,281,997	1,622,071	134,904,068
Third	71,928,322	45,883,000	117,811,322
Fourth	27,566,000	46,498,000	74,064,000
Total	303,000,000	102,400,000	405,400,000

EXPENDITURE REPORT

The ESER Program Management Team has incurred \$7,396,109 in pre-bond costs through the month of December 2010. The pre-bond were funded through General Fund monies which will be reimbursed in January 2011 from the proceeds of the General Obligation Bond funds received in December.

Refer to Attachment 1 – Program Budget Report for a detailed breakdown of the expenditures.

ATTACHMENT 1 – PROGRAM BUDGET REPORT

Earthquake Safety & Emergency Response Bond Program
Program Budget Reports - Expenditures as of 12/31/10

The amounts under the "Baseline Budget" for the Neighborhood Fire Stations and the Auxiliary Water Supply System (AWSS) projects are place holders owing to the need to sufficiently develop the projects to a level where baseline budgets can be reliably offered and will serve as the basis for measuring accountability going forward.

Status	Project	Category	Baseline Budget	Appropriated	FAMIS			
					Reserve	Expended	Encumbrance	Balance
<u>PUBLIC SAFETY BUILDING</u>								
SCHEMATIC	PUBLIC SAFETY BUILDING							
		Soft Costs	41,619,000	\$66,596,284		\$5,063,476		61,532,808
		Construction	168,100,000					-
		Project Contingency	29,281,000					-
		Subtotal	239,000,000	66,596,284	0	5,063,476	0	61,532,808
<u>NEIGHBORHOOD FIRE STATIONS</u>								
PLANNING	Fire Boat Headquarters							
		Soft Costs	4,146,085					0
		Construction	15,380,000					0
		Project Contingency	TBD					0
		Subtotal	19,526,085	0	0	0	0	0
PLANNING	Equipment Logistics Center							
		Soft Costs	2,485,856					0
		Construction	9,230,000					0
		Project Contingency	TBD					0
		Subtotal	11,715,856	0	0	0	0	0
PLANNING	Stations 6, 13, 28, 38, 41, 42							
		Soft Costs	511,530					0
		Construction	1,430,000					0
		Project Contingency	TBD					0
		Subtotal	1,941,530	0	0	0	0	0
PLANNING	Stations 5							
		Soft Costs	1,579,461					0
		Construction	5,340,000					0
		Project Contingency	TBD					0
		Subtotal	6,919,461	0	0	0	0	0
PLANNING	Station 2							
		Soft Costs	843,576					0
		Construction	2,860,000					0
		Project Contingency	TBD					0
		Subtotal	3,703,576	0	0	0	0	0
PLANNING	Station 36							
		Soft Costs	601,272					0
		Construction	2,030,000					0
		Project Contingency	TBD					0
		Subtotal	2,631,272	0	0	0	0	0

Status	Project	Category	Baseline Budget	Appropriated	FAMIS			
					Reserve	Expended	Encumbrance	Balance
PLANNING	Station 44	Soft Costs	152,562					0
		Construction	430,000					0
		Project Contingency	TBD					0
		Subtotal	582,562	0	0	0	0	0
PLANNING	Station 17	Soft Costs	206,407					0
		Construction	570,000					0
		Project Contingency	TBD					0
		Subtotal	776,407	0	0	0	0	0
PLANNING	Station 15, 18 40	Soft Costs	260,252					0
		Construction	710,000					0
		Project Contingency	TBD					0
		Subtotal	970,252	0	0	0	0	0
PLANNING	Station 43	Soft Costs	1,935,616					0
		Construction	6,390,000					0
		Project Contingency	TBD					0
		Subtotal	8,325,616	0	0	0	0	0
PLANNING	Station 22	Soft Costs	1,220,492					0
		Construction	4,140,000					0
		Project Contingency	TBD					0
		Subtotal	5,360,492	0	0	0	0	0
PLANNING	Programming & Development	Soft Costs	1,546,893	\$3,627,397		\$1,015,669		2,611,728
		Construction						0
		Project Contingency						0
		Subtotal	1,546,893	3,627,397	0	1,015,669	0	2,611,728
PLANNING	NEIGHBORHOOD FIRE STATIONS SUMMARY	Soft Costs	15,490,000	3,627,397	0	1,015,669	0	2,611,728
		Construction	48,510,000	0	0	0	0	0
		Project Contingency		0	0	0	0	0
		Subtotal	64,000,000	3,627,397	0	1,015,669	0	2,611,728
AUXILIARY WATER SUPPLY SYSTEM (AWSS)								
PLANNING	AUXILIARY WATER SUPPLY SYSTEM (AWSS) Jones Street Tank	Soft Costs	1,800,000					0
		Construction	4,700,000					0
		Project Contingency						0
		Subtotal	6,500,000	0	0	0	0	0
PLANNING	Ashbury Heights Tank	Soft Costs	1,600,000					0
		Construction	4,300,000					0
		Project Contingency						0
		Subtotal	5,900,000	0	0	0	0	0
PLANNING	Twin Peaks Reservoir	Soft Costs	1,200,000					0

Status	Project	Category	Baseline Budget	Appropriated	FAMIS			
					Reserve	Expended	Encumbrance	Balance
PLANNING	Pump Station No. 2	Construction	3,100,000					0
		Project Contingency					0	
		Subtotal	4,300,000	0	0	0	0	0
PLANNING	Pump Station No. 1	Soft Costs	3,900,000					0
		Construction	10,300,000					0
		Project Contingency					0	
	AUXILIARY WATER SUPPLY SYSTEM (AWSS)	Subtotal	14,200,000	0	0	0	0	0
		Soft Costs	1,000,000					0
		Construction	2,500,000					0
		Project Contingency					0	
		Subtotal	3,500,000	0	0	0	0	0
		Soft Costs	9,500,000					0
		Construction	24,900,000					0
		Project Contingency					0	
		Subtotal	34,400,000	0	0	0	0	0
<u>FIREFIGHTING CISTERNs</u>								
PLANNING	FIREFIGHTING CISTERNs							
		Soft Costs	10,000,000					0
		Construction	26,000,000					0
		Project Contingency					0	
		Subtotal	36,000,000	0	0	0	0	0
<u>FIREFIGHTING PIPES AND TUNNELs</u>								
PLANNING	FIREFIGHTING PIPES AND TUNNELs							
		Soft Costs	10,195,000					0
		Construction	21,805,000					0
		Project Contingency					0	
	AUXILIARY WATER SUPPLY SYSTEM (AWSS)	Subtotal	32,000,000	0	0	0	0	0
		Soft Costs	29,695,000	\$8,396,929		\$1,316,964		7,079,965
		Construction	72,705,000				-	
		Project Contingency					-	
		Subtotal	102,400,000	8,396,929	0	1,316,964	0	7,079,965
		<u>ESER</u>						
		Soft Costs	86,804,000	78,620,610	0	7,396,109	0	71,224,501
		Construction	289,315,000	0	0	0	0	0
		Project Contingency	29,281,000	0	0	0	0	0
		Subtotal	405,400,000	78,620,610	0	7,396,109	0	71,224,501
Bond Oversight/Accountability; Cost of Issuance			6,900,000	\$1,289,390				\$1,289,390
TOTAL BOND PROGRAM			412,300,000	79,910,000	0	7,396,109	0	72,513,891

Prepared by the Department of Public Works, revised 01/07/11

ATTACHMENT 2 – TIMELINE AND SCHEDULE

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													
		Start	Completion	2010		2011		2011		2012		2012		2013		2013		2014		2014		2015		2015		2016		2016		2017											
				1st Qtr. 9/30/10	2nd Qtr. 12/31/10	3rd Qtr. 3/1/11	4th Qtr. 6/30/11	1st Qtr. 9/30/11	2nd Qtr. 12/31/11	3rd Qtr. 3/31/12	4th Qtr. 6/30/12	1st Qtr. 9/30/12	2nd Qtr. 12/31/12	3rd Qtr. 3/31/13	4th Qtr. 6/30/13	1st Qtr. 9/30/13	2nd Qtr. 12/31/13	3rd Qtr. 3/31/14	4th Qtr. 6/30/14	1st Qtr. 9/30/14	2nd Qtr. 12/31/14	3rd Qtr. 3/31/15	4th Qtr. 6/30/15	1st Qtr. 9/30/15	2nd Qtr. 12/31/15	3rd Qtr. 3/31/16	4th Qtr. 6/30/16	1st Qtr. 9/30/16	2nd Qtr. 12/31/16	3rd Qtr. 3/31/17	4th Qtr. 6/30/17										
DEPARTMENT OF PUBLIC WORKS / NEIGHBORHOOD FIRE STATIONS AND PUBLIC SAFETY BUILDING																																									
PUBLIC SAFETY BUILDING																																									
Original/Baseline Budget	239,000,000	10/01/10	12/31/13	6,880,000		programming/schematic design phase																																			
						22,360,000										design phase																									
						209,760,000																										construction and construction administration phase									
Current/Approved																																									
Current/Projected																																									
Actual				5,063,476																																					
NEIGHBORHOOD FIRE STATIONS																																									
Original/Baseline	64,000,000	10/01/10	09/30/16			The amounts under the "Budget" for the Neighborhood Fire Stations and the Auxiliary Water Supply System (AWSS) projects are place holders owing to the need to sufficiently develop the projects to a level where baseline budgets can be reliably offered and will serve as the basis for measuring accountability going forward.																																			
Current/Approved																																									
Current/Projected																																									
Actual				1,015,669																																					
PUBLIC UTILITIES COMMISSION / AUXILIARY WATER SUPPLY SYSTEM (AWSS)																																									
AWSS																																									
Original/Baseline Budget	34,400,000																																								
Current/Approved																																									
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Actual				1,316,964																																					
FIREFIGHTING CISTERNS																																									
Original/Baseline Budget	36,000,000																																								
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FIREFIGHTING PIPES AND TUNNELS																																									
Original/Baseline Budget	32,000,000																																								
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Actual																																									
BOND OVERSIGHT AND ACCOUNTABILITY																																									
Original/Baseline Budget	6,900,000																																								
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Current/Projected																																									
Actual																																									

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			
				2010		2011		2011		2012		2012		2013		2013		2014		2014		2015		2015		2016		2016		2017	
		Start	Completion	1st Qtr. 9/30/10	2nd Qtr. 12/31/10	3rd Qtr. 3/1/11	4th Qtr. 6/30/11	1st Qtr. 9/30/11	2nd Qtr. 12/31/11	3rd Qtr. 3/31/12	4th Qtr. 6/30/12	1st Qtr. 9/30/12	2nd Qtr. 12/31/12	3rd Qtr. 3/31/13	4th Qtr. 6/30/13	1st Qtr. 9/30/13	2nd Qtr. 12/31/13	3rd Qtr. 3/31/14	4th Qtr. 6/30/14	1st Qtr. 9/30/14	2nd Qtr. 12/31/14	3rd Qtr. 3/31/15	4th Qtr. 6/30/15	1st Qtr. 9/30/15	2nd Qtr. 12/31/15	3rd Qtr. 3/31/16	4th Qtr. 6/30/16	1st Qtr. 9/30/16	2nd Qtr. 12/31/16	3rd Qtr. 3/31/17	4th Qtr. 6/30/17
ESER TOTAL																															
Original/Baseline Budget	412,300,000	10/01/10	08/31/17		412,300,000																										
Current/Approved																															
Current/Projected																															
Actual	7,396,109			7,396,109																											

Legend:

Programming/Schematic Design Phase

Design Development Phase

Construction and Construction Administration

Prepared by the Department of Public Works
Revised 12/31/10

ATTACHMENT 3 – CONTACT INFORMATION

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