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# EARTHQUAKE SAFETY AND EMERGENCY RESPONSE BOND PROGRAM

STATUS REPORT  
PRESENTED TO THE

CITIZENS GENERAL OBLIGATION  
BOND OVERSIGHT COMMITTEE

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SEPTEMBER 30, 2010

PREPARED BY THE  
DEPARTMENT OF PUBLIC WORKS

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## **EXECUTIVE SUMMARY**

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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.

The Department of Public Works will request Capital Planning Committee consideration and approval of a supplemental appropriation of \$85,000,000 in Earthquake Safety and Emergency Response (ESER) bond proceeds.

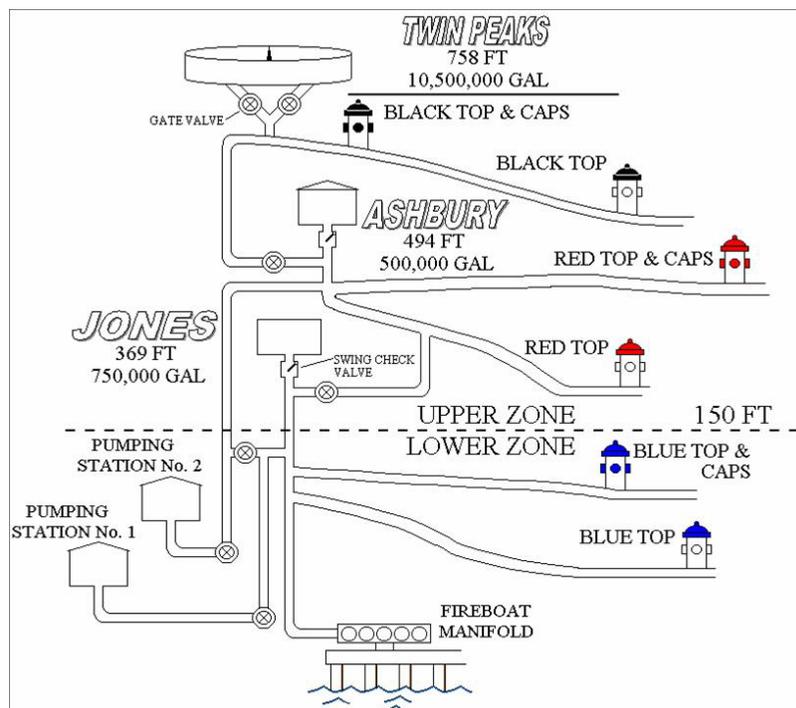
The proposed legislation will appropriate \$85,000,000 from the first ESER bond. The bond proceeds will be placed on Controller's reserve pending completion of the sale. The first sale of the ESER bond will fund (a) additional design and development of the Public Safety Building (PSB); (b) the first 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.

## 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 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
<b>Total</b>	<b>\$104.2 M</b>

These budget numbers should not to be construed as the baseline budget; further delineation – made possible from the first bond sale’s funds- of each category of work is required to more reliably indicate the 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, 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 \$400 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.

**Fire Stations Capital Improvement Plan:** A detailed Fire Stations Capital Improvements Plan (CIP) was developed 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. This bond program is anticipated to complete designated improvements to 17 of the 42 neighborhood fire stations as indicated and the corresponding budget of \$104.2M is preliminarily budgeted as follows:

<b>Seismic Improvement Projects</b>	<b>\$54.0 M</b>
<b>Comprehensive Renovation projects</b>	<b>\$7.0 M</b>
<b>Focused Scope Projects</b>	<b>\$4.1 M</b>
<b>Total</b>	<b>\$65.1 M</b>

**These budget numbers should not to be construed as the baseline budget; further delineation – made possible from the first bond sale’s funds- of each category of work- is required to more reliably indicate the budgets that will be appropriate for monitoring the financial status of each project.**

**Projects' Status:** 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 provide 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 is 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.

From this level of consideration a list of projects 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 project designs will be performed during subsequent phases of work to clearly define the scope of work, cost and schedule at each individual facility.

Accordingly, the matter of budgets and schedules will evolve over the coming months (under the direction of a DPW project manager assigned to the work) such that upon the arrival of bond funds, a work plan will be developed that will begin to define the baseline budgets and schedules.

## Public Safety Building

**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 300,000 square feet would include, 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 project has been developed substantially through approximately 60% of the Schematic Design Phase expected iteration. This level of completion created a pricing package that was cost estimated for the purpose of assembling the budget of the ESER bond program. 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, CCSF project management and construction management services.

The resumption of the Schematic Phase is expected to occur in November and conclude in January 2011. The balance of the design and documents' development will be occur through July of 2012 and construction will begin on October of 2011, with substantial completion expected October 2013.

## 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	
		Start	Completion
<b>NEIGHBORHOOD STATIONS</b>	<b>65,100,000</b>	<b>1/1/2011</b>	<b>9/30/2016</b>
Mission Bay Fire Station			
Fire Boat Headquarters	20,341,000	11/1/2010	9/30/2016
Equipment Logistics Center	12,209,000	11/1/2010	9/30/2016
Stations 6, 13, 28, 38, 41, 42	2,033,000	11/1/2010	3/31/2012
Stations 5	7,221,000	11/1/2010	1/31/2014
Station 2	3,866,000	11/1/2010	4/31/2013
Station 36	2,744,000	7/1/2012	9/30/2015
Station 44	611,000	11/1/2010	9/30/2012
Station 17	811,000	10/1/2011	7/31/2013
Station 15, 18 40	1,022,000	10/1/2011	7/31/2013
Station 43	8,643,000	1/1/2012	2/28/2015
Stations 22	5,599,000	10/1/2011	12/31/2014
<b>PUBLIC SAFETY BUILDING</b>	<b>243,000,000</b>	<b>10/1/2010</b>	<b>12/31/2013</b>
<b>SUBTOTAL</b>	<b>308,100,000</b>	<b>10/1/2010</b>	<b>9/30/2016</b>
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>	35,000,000	1/1/2011	12/31/2016
Jones Street Tank	6,614,000	1/1/2011	3/31/2014
Ashbury Heights Tank	6,002,000	1/1/2011	12/31/2015
Twin Peaks Reservoir	4,378,000	1/1/2011	6/30/2017
Pump Station No. 2	14,446,000	1/1/2011	9/30/2014
Pump Station No. 1	3,560,000	1/1/2011	3/31/2016

Description	BUDGET	Schedule	
		Start	Completion
<b>FIREFIGHTING CISTERNS</b>	36,600,000	1/1/2011	6/30/2017
Contract No. 1	3,660,000	1/1/2011	12/31/2013
Contract No. 2	10,980,000	5/1/2012	6/30/2016
Contract No. 3	10,980,000	2/1/2013	12/31/2016
Contract No. 4	10,980,000	7/1/2013	6/30/2017
<b>FIREFIGHTING PIPES AND TUNNELS</b>	32,600,000	2/1/2011	8/31/2017
AWSS Modernization CIP Study	3,000,000	2/1/2011	6/30/2012
Contract No. 1	9,768,070	5/1/2012	8/31/2016
Contract No. 2	9,768,070	5/1/2012	2/28/2017
Contract No. 3	10,063,860	5/1/2012	8/31/2017
<b>AWSS SUBTOTAL</b>	<b>104,200,000</b>	<b>1/1/2011</b>	<b>8/31/2017</b>
<b>TOTAL ESER BUDGET</b>	<b>412,300,000</b>	<b>10/1/2010</b>	<b>8/31/2017</b>

## FUNDING AND APPROPRIATIONS

### Funding

In June 2010, 79% of the voters approved the ESER bond in the amount of \$412,300,000, of which, a supplemental appropriation in the amount of \$85,000,000 was introduced in September 28, 2010. Upon approval, the Public Finance Office will proceed with the first bond sale. The proceeds of the bond sale will be distributed as follows:

Description	Budget <sup>(1)</sup>	Current Supplemental Appropriation Request			Future Supplemental Requests
		Project Related	Bond Oversight, Financial Accountability Cost of Issuance	Total Request <sup>(2)</sup>	
Neighborhood Stations	65,100,000	3,627,397	205,555	3,832,952	61,267,048
Public Safety Building	243,000,000	66,596,284	747,472	67,343,756	175,656,244
<b>DPW SUBTOTAL</b>	<b>308,100,000</b>	<b>70,223,681</b>	<b>953,027</b>	<b>71,176,709</b>	<b>236,923,291</b>
Auxiliary Water Supply System (AWSS)	35,000,000	3,990,000	112,121	4,102,121	30,897,879
Firefighting Cisterns	36,600,000	1,083,191	112,121	1,195,312	35,404,688
Firefighting Piper and Tunnels	32,600,000	3,323,738	112,121	3,435,859	29,164,141
<b>PUC SUBTOTAL</b>	<b>104,200,000</b>	<b>8,396,929</b>	<b>336,363</b>	<b>8,733,292</b>	<b>95,466,708</b>
<b>ESER Approved Budget</b>	<b>412,300,000</b>	<b>78,620,610</b>	<b>1,289,390</b>	<b>79,910,000</b>	<b>332,390,000</b>

<sup>(1)</sup> Included in the budget of \$412,300,000 are the Bond Oversight, Financial Accountability and Cost of Issuance budget in the amount of \$6,900,000.

<sup>(2)</sup> The Total Request does not include \$5,090,000, which is a reserve pending the bond sale as the cost of issuance estimates are subject to change due to market conditions.

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## ENCUMBRANCES

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Out of the \$78,620,610 proceeds, \$3,627,397 will be used to complete the Schematic Phase for all of the Neighborhood Fire Stations except for Station 43; and begin the Design Phase for Stations 6, 13, 28, 38, 41, 41, 5, 2, and 44. The majority, \$66,596,284 will fund the Schematic Phase, Design and Construction Services for the Public Safety Building. The remainder, \$8,396,929 will fund the Auxiliary Water Supply System (AWSS) for Schematic and Design Services.

Included in the \$78,620,610 is a reimbursement of pre-bond costs of \$9,460,495 to the General Fund due upon receipt of the bond sale proceeds.

Refer to Attachment 2 for a detailed Encumbrance Schedule.

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## **CASH FLOW**

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The pre-bond expenditures through September 30, 2010 are \$8,568,922. These expenditures are included the Cash Flow. The appropriation of \$78, 620,610 is projected to be expended by May 2012.

Refer to Attachment 3 for a detailed Cash Flow Schedule.

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## EXPENDITURES

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The ESER Program Management Team has incurred \$8,568,922 in pre-bond costs through the month of September 2010.

For a detailed expenditure breakdown, refer to Attachment 1.

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**ATTACHMENT 1 – EXPENDITURES REPORT**

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**Earthquake Safety and Emergency Response (ESER) Bond  
Pre-Bond Expenditures**

6613A - JUSTICE FACILITY IMPROVEMENT PROGRAM (JFIP), PROGRAM DEVELOPMENT PHASE

PROJECT STRUCTURE(S): CPWBLDHJPL

FUNDING SOURCE(S): IGAGFACP

DETAIL	DESCRIPTION	APPROPRIATION		BUDGET	ACTUAL		ENCUMBRANCE TOTAL	BALANCE
		CPWBLDHJPL	TOTAL		CPWBLDHJPL	TOTAL		
RP	ELITE REPRO	\$2,000.00	\$2,000.00	\$2,000.00	\$208.00	\$208.00	\$0.00	\$1,792.00
11	BOA LABOR	\$778,107.00	\$778,107.00	\$778,107.00	\$803,480.00	\$803,480.00	\$0.00	-\$25,373.00
12	BOE LABOR	\$7,827.00	\$7,827.00	\$7,827.00	\$7,568.00	\$7,568.00	\$0.00	\$259.00
13	BCM LABOR	\$2,500.00	\$2,500.00	\$2,500.00	\$2,467.00	\$2,467.00	\$0.00	\$33.00
21	REAL ESTATE	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$0.00	\$0.00
50	HOK/MCA	\$1,313,438.00	\$1,313,438.00	\$1,313,438.00	\$1,198,618.00	\$1,198,618.00	\$0.00	\$114,820.00
51	CM WEST, INC.	\$28,267.00	\$28,267.00	\$28,267.00	\$20,902.00	\$20,902.00	\$7,364.00	\$1.00
63	CITY REPRO	\$1,000.00	\$1,000.00	\$1,000.00	\$259.00	\$259.00	\$0.00	\$741.00
80	CITY ATTORNEY	\$1,000.00	\$1,000.00	\$1,000.00	\$922.00	\$922.00	\$0.00	\$78.00
81	EXPRESS OVERNIGHT	\$16.00	\$16.00	\$16.00	\$16.00	\$16.00	\$0.00	\$0.00
82	CORO	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00	\$0.00	\$0.00
99	RESERVE	\$9,845.00	\$9,845.00	\$9,845.00	\$0.00	\$0.00	\$0.00	\$9,845.00
<b>6313A TOTAL</b>		<b>\$2,200,000.00</b>	<b>\$0.00</b>	<b>\$2,200,000.00</b>	<b>\$2,090,440.00</b>	<b>\$0.00</b>	<b>\$7,364.00</b>	<b>\$102,196.00</b>

6615A - MISSION BAY POLICE & FIRE PLANNING

PROJECT STRUCTURE(S): CPWBDMBPL & CATBLDES15

FUNDING SOURCE(S): IGAGFACP

DETAIL	DESCRIPTION	APPROPRIATION		BUDGET	ACTUAL		ENCUMBRANCE TOTAL	BALANCE	
		CPWBDMBPL	CATBLDES15		TOTAL	CPWBDMBPL			CATBLDES15
RP	ELITE REPRO	\$20,000.00	\$10,000.00	\$30,000.00	\$1,795.00	\$1,795.00	\$3,117.00	\$25,088.00	
11	BOA LABOR	\$647,176.00	\$449,451.00	\$1,096,627.00	\$648,297.00	\$301,852.00	\$950,149.00	\$448,330.00	
12	BOE LABOR	\$33,189.00	\$22,500.00	\$55,689.00	\$16,194.00	\$4,280.00	\$20,474.00	\$39,495.00	
13	BCM LABOR	\$10,000.00	\$5,989.00	\$15,989.00	\$9,825.00	\$3,835.00	\$13,660.00	\$6,164.00	
14	BSM LABOR	\$11,300.00		\$11,300.00	\$11,189.00		\$11,189.00	\$111.00	
18	PUB INFORM	\$9,000.00	\$10,576.00	\$19,576.00	\$18,574.00		\$18,574.00	\$1,002.00	
22	W/A REDEVELO	\$0.00	\$80,000.00	\$80,000.00			\$0.00	\$80,000.00	
29	CITY PLANNING	\$3,163.00	\$3,163.00	\$6,326.00		\$3,163.00	\$3,163.00	\$6,326.00	
30	CITY ATTORNEY	\$0.00	\$60,000.00	\$60,000.00			\$0.00	\$60,000.00	
50	STRUCTUS	\$54,150.00		\$54,150.00			\$0.00	\$54,150.00	
51	TEF CONSULT	\$129,003.00		\$129,003.00	\$129,003.00		\$129,003.00	\$0.00	
52	HELLMUTH	\$3,008,300.00	\$186,400.00	\$3,194,700.00	\$2,682,505.00	\$71,000.00	\$2,753,505.00	\$440,995.00	
53	GTC GEOTECH	\$175,114.00	\$72,205.00	\$247,319.00	\$175,114.00	\$68,481.00	\$243,595.00	\$68,481.00	
54	PANKOW GMGC		\$200,000.00	\$200,000.00		\$154,350.00	\$154,350.00	\$183,650.00	
55	TETRATECH		\$48,730.00	\$48,730.00		\$32,652.00	\$32,652.00	\$15,917.00	
56	URS/TECI		\$43,309.00	\$43,309.00		\$39,508.00	\$39,508.00	\$3,801.00	
80	MISC. DIRECT	\$2,406.00		\$2,406.00	\$2,401.00		\$2,401.00	\$5.00	
81	CORO	\$6,000.00	\$1,500.00	\$7,500.00	\$6,000.00	\$500.00	\$6,500.00	\$1,500.00	
98	RESERVE	\$352.00	\$406,177.00	\$406,529.00			\$0.00	\$406,529.00	
<b>6615A TOTAL</b>		<b>\$4,109,153.00</b>	<b>\$1,600,000.00</b>	<b>\$5,709,153.00</b>	<b>\$3,700,897.00</b>	<b>\$679,621.00</b>	<b>\$4,380,518.00</b>	<b>\$483,904.00</b>	<b>\$1,524,352.00</b>

**Earthquake Safety and Emergency Response (ESER) Bond  
Pre-Bond Expenditures**

**1390J AWSS SYSTEM STUDY**

PROJECT STRUCTURE(S): FFC107 & JEN387

FUNDING SOURCE(S): 1GAGFAAP & 1GAGFPWF

DETAIL	DESCRIPTION	APPROPRIATION			BUDGET	ACTUAL			ENCUMBRANCE TOTAL	BALANCE
		FFC107	JEN387	TOTAL		FFC107	JEN387	TOTAL		
11	BOA LABOR		\$330,000.00	\$330,000.00	\$330,000.00	\$398,549.00	\$398,549.00	\$0.00	-\$68,549.00	
12	BOE LABOR	\$60,698.00	\$172,752.00	\$233,450.00	\$233,450.00	\$60,697.00	\$171,631.00	\$232,328.00	\$1,122.00	
13	BCM LABOR		\$19,022.00	\$19,022.00	\$19,022.00		\$19,005.00	\$19,005.00	\$17.00	
50	METCALF & EDDY	\$378,450.00		\$378,450.00	\$378,450.00	\$351,431.00		\$351,431.00	\$27,019.00	
51	AGS	\$10,500.00		\$10,500.00	\$10,500.00	\$5,472.00		\$5,472.00	\$5,028.00	
NN	CM WEST		\$162,363.00	\$162,363.00	\$162,363.00		\$90,068.00	\$90,068.00	\$1.00	
NN	ELITE REPRO		\$5,000.00	\$5,000.00	\$5,000.00		\$1,491.00	\$1,491.00	\$1.00	
NN	SOHA ENGINEERS		\$170,644.00	\$170,644.00	\$170,644.00		\$170,644.00	\$170,644.00	\$0.00	
CN	TETRA TECH INC.		\$190,219.00	\$190,219.00	\$190,219.00		\$190,219.00	\$190,219.00	\$0.00	
80	LEGAL ADVERTISING	\$352.00		\$352.00	\$352.00	\$351.66		\$351.66	\$0.34	
90	RESERVE		\$0.00	\$0.00	\$0.00			\$0.00	\$0.00	
<b>1390J TOTAL</b>		<b>\$450,000.00</b>	<b>\$1,050,000.00</b>	<b>\$1,500,000.00</b>	<b>\$1,500,000.00</b>	<b>\$417,951.66</b>	<b>\$1,041,607.00</b>	<b>\$1,459,558.66</b>	<b>\$75,802.00</b>	<b>-\$35,360.66</b>

**7235A - ESER-AWSS SYSTEM**

PROJECT STRUCTURE(S): CATBLDES35

FUNDING SOURCE(S): IGAGFACP

DETAIL	DESCRIPTION	APPROPRIATION			BUDGET	ACTUAL			ENCUMBRANCE TOTAL	BALANCE
		CATBLDES35		TOTAL		CATBLDES35		TOTAL		
11	BOA LABOR	\$550,000.00		\$550,000.00	\$550,000.00	\$454,333.00		\$454,333.00	\$95,667.00	
12	BOE LABOR	\$22,200.00		\$22,200.00	\$22,200.00	\$3,525.00		\$3,525.00	\$18,675.00	
13	BCM LABOR	\$6,000.00		\$6,000.00	\$6,000.00	\$0.00		\$0.00	\$6,000.00	
29	CITY PLANNING	\$180,547.00		\$180,547.00	\$180,547.00	\$180,547.00		\$180,547.00	\$0.00	
55	MILLINIUM	\$50,000.00		\$50,000.00	\$50,000.00	\$0.00		\$0.00	\$50,000.00	
99	RESERVE	\$391,253.00		\$391,253.00	\$391,253.00			\$0.00	\$391,253.00	
<b>7235A TOTAL</b>		<b>\$1,200,000.00</b>	<b>\$0.00</b>	<b>\$1,200,000.00</b>	<b>\$1,200,000.00</b>	<b>\$638,405.00</b>	<b>\$0.00</b>	<b>\$638,405.00</b>	<b>\$0.00</b>	<b>\$561,595.00</b>

**FIRE DEPARTMENT PSB RESERVE**

PROJECT STRUCTURE(S): CPWBLDHJ09

FUNDING SOURCE(S): IGAGFACP

DETAIL	DESCRIPTION	APPROPRIATION			BUDGET	ACTUAL			ENCUMBRANCE TOTAL	BALANCE
		CPWBLDHJ09		TOTAL		CPWBLDHJ09		TOTAL		
99	PROGRAM RESERVE	\$653,009.00		\$653,009.00	\$653,009.00			\$0.00	\$653,009.00	
<b>RESERVE TOTAL</b>		<b>\$653,009.00</b>	<b>\$0.00</b>	<b>\$653,009.00</b>	<b>\$653,009.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$653,009.00</b>	

**GRAND TOTAL**                      \$8,612,162.00                      \$2,650,000.00                      \$11,262,162.00                      \$11,262,162.00                      \$6,847,693.66                      \$1,721,228.00                      \$8,568,921.66                      \$567,070.00                      \$2,805,791.34

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**ATTACHMENT 2 – ENCUMBRANCE SCHEDULE**

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EARTHQUAKE SAFETY EMERGENCY RESPONSE BOND PROGRAM

ENCUMBRANCE SCHEDULE

DEPARTMENT OF PUBLIC WORKS / NEIGHBORHOOD STATIONS AND PUBLIC SAFETY BUILDING

Description	BUDGET	Schedule		FY 10/11				FY 11/12				FY 12/13				FY 13/14				FY 14/15				TOTAL	
				2010		2011		2011		2012		2012		2013		2013		2014		2014		2015			
				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.
NEIGHBORHOOD STATIONS	65,100,000	1/1/2011	9/30/2016																						
Mission Bay Fire Station				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Boat Headquarters	20,341,000	11/1/2010	9/30/2016	269,673	423,327	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipment Logistics Center	12,209,000	11/1/2010	9/30/2016	161,687	253,813	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stations 6, 13, 28, 38, 41, 42	2,033,000	11/1/2010	3/31/2012	33,271	80,729	256,500	0	1,629,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stations 5	7,221,000	11/1/2010	1/31/2014	102,732	249,268	792,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Station 2	3,866,000	11/1/2010	4/31/2013	54,868	133,132	423,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Station 36	2,744,000	7/1/2012	9/30/2015	39,108	35,221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Station 44	611,000	11/1/2010	9/30/2012	9,923	24,077	76,500	0	0	0	489,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Station 17	811,000	10/1/2011	7/31/2013	13,425	12,091	0	0	0	20,484	103,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Station 15, 18 40	1,022,000	10/1/2011	7/31/2013	16,927	15,245	0	0	0	25,827	130,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Station 43	8,643,000	1/1/2012	2/28/2015	0	0	0	0	0	0	422,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stations 22	5,599,000	10/1/2011	12/31/2014	79,384	71,494	0	0	0	121,122	612,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUBLIC SAFETY BUILDING	243,000,000	10/1/2010	12/31/2013		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schematic Phase				6,470,958	409,042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Design Phase					1,196,218	7,061,052	3,061,052	3,980,624	0	7,061,054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction Administration					0	0	1,058,462	0	0	3,175,386	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construction					0	0	47,339,500	16,070,500	0	43,240,000	56,200,000	33,150,000	0	0	0	0	0	0	0	0	0	0	0	0	0
QUARTER TOTAL	308,100,000	10/1/2010	9/30/2016	7,251,958	2,903,657	8,609,052	51,459,014	21,680,624	167,433	55,233,940	56,200,000	46,479,556	1,763,500	6,500,886	0	7,791,380	0	7,128,500	2,264,500						
QUARTER CUMULATIVE				7,251,958	10,155,615	18,764,667	70,223,681	91,904,305	92,071,738	147,305,678	203,505,678	249,985,234	251,748,734	258,249,620	258,249,620	266,041,000	266,041,000	273,169,500	275,434,000	275,434,000	303,000,000	303,000,000	303,000,000	303,000,000	
FISCAL YEAR TOTAL							70,223,681																		
FISCAL YEAR CUMULATIVE							70,223,681																		

PUBLIC UTILITIES COMMISSION / AUXILIARY WATER SUPPLY SYSTEM (AWSS)

Description	BUDGET	Schedule		FY 10/11				FY 11/12				FY 12/13				FY 13/14				FY 14/15				TOTAL	
				2010		2011		2011		2012		2012		2013		2013		2014		2014		2015			
				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.
AUXILIARY WATER SUPPLY SYSTEM (AWSS)	35,000,000	1/1/2011	12/31/2016																						
Jones Street Tank	6,614,000	1/1/2011	3/31/2014	96,638	0	173,362	810,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ashbury Heights Tank	6,002,000	1/1/2011	12/31/2015	85,901	0	154,099	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Twin Peaks Reservoir	4,378,000	1/1/2011	6/30/2017	64,425	0	115,575	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pump Station No. 2	14,446,000	1/1/2011	9/30/2014	209,383	0	375,617	1,755,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pump Station No. 1	3,560,000	1/1/2011	3/31/2016	0	0	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FIREFIGHTING CISTERNS	36,600,000	1/1/2011	6/30/2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract No. 1	3,660,000	1/1/2011	12/31/2013	53,688	0	96,312	450,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract No. 2	10,980,000	5/1/2012	6/30/2016	161,064	0	0	0	0	0	0	288,936	1,350,000	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract No. 3	10,980,000	2/1/2013	12/31/2016	161,064	0	0	0	0	0	0	288,936	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract No. 4	10,980,000	7/1/2013	6/30/2017	161,064	0	0	0	0	0	0	288,936	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FIREFIGHTING PIPES AND TUNNELS	32,600,000	2/1/2011	8/31/2017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AWSS Modernization CIP Study	3,000,000	2/1/2011	6/30/2012	0	0	3,000,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract No. 1	9,768,070	5/1/2012	8/31/2016	159,453	0	0	0	0	0	0	196,617	1,068,000	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract No. 2	9,768,070	5/1/2012	2/28/2017	0	0	0	0	0	0	0	356,070	1,068,000	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract No. 3	10,063,860	5/1/2012	8/31/2017	164,285	0	0	0	0	0	0	202,575	0	0	0	0	0	0	0	0	0	0	0	0	0	0
QUARTER TOTAL	104,200,000	1/1/2011	8/31/2017	1,316,964	0	4,064,965	3,015,000	0	0	0	1,622,071	6,486,000	17,280,000	2,070,000	0	1,800,000	1,101,000	17,146,000	0	22,086,000	540,000	20,292,000	0	102,400,000	
QUARTER CUMULATIVE				1,316,964	1,316,964	5,381,929	8,396,929	8,396,929	8,396,929	8,396,929	10,019,000	16,505,000	33,785,000	35,855,000	35,855,000	37,655,000	38,756,000	55,902,000	55,902,000	77,988,000	78,528,000	98,820,000	98,820,000		
FISCAL YEAR TOTAL							8,396,929				1,622,071														
FISCAL YEAR CUMULATIVE							8,396,929				10,019,000														

ESER TOTAL

QUARTER TOTAL	412,300,000	10/1/2010	8/31/2017	8,568,922	2,903,657	12,674,017	54,474,014	21,680,624	167,433	55,233,940	57,822,071	52,965,556	19,043,500	8,570,886	0	9,591,380	1,101,000	24,274,500	2,264,500	22,086,000	28,106,000	20,292,000	0	405,400,000
QUARTER CUMULATIVE				8,568,922	11,472,579	24,146,596	78,620,610	100,301,234	100,468,667	155,702,607	213,524,678	266,490,234	285,533,734	294,104,620	294,104,620	303,696,000	304,797,000	329,071,500	331,336,000	353,422,000	381,528,000	401,820,000	401,820,000	
FISCAL YEAR TOTAL							78,620,610				134,904,068													
FISCAL YEAR CUMULATIVE							78,620,610				213,524,678													

NOTE: THE BOND OVERSIGHT/ACCOUNTABILITY AND COST OF ISSUANCE TOTALING \$6.9M ARE NOT INCLUDED IN THE ENCUMBRANCE

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**ATTACHMENT 3 – CASH FLOW SCHEDULE**

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EARTHQUAKE SAFETY EMERGENCY RESPONSE BOND PROGRAM

CASHFLOW SCHEDULE

DEPARTMENT OF PUBLIC WORKS / NEIGHBORHOOD STATIONS AND PUBLIC SAFETY BUILDING

Description	BUDGET	Schedule		FY 10/11				FY 11/12				FY 12/13				FY 13/14				FY 14/15			
				2010		2011		2011		2012		2012		2013		2013		2014		2014		2015	
		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.
				9/30/2010	12/31/2010	3/1/2011	6/30/2011	9/30/2011	12/31/2011	3/31/2012	6/30/2012	9/30/2012	12/31/2012	3/31/2013	6/30/2013	9/30/2013	12/31/2013	3/31/2014	6/30/2014	9/30/2014	12/31/2014	3/31/2015	6/30/2015
<b>NEIGHBORHOOD STATIONS</b>	<b>65,100,000</b>	<b>1/1/2011</b>	<b>9/30/2016</b>																				
Mission Bay Fire Station				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Boat Headquarters	20,341,000	11/1/2010	9/30/2016	269,673	294,430	77,339	51,559	0	0	0	0	0	0	0	0	346,500	346,500	346,500	346,500	346,500	346,500	2,153,500	2,153,500
Equipment Logistics Center	12,209,000	11/1/2010	9/30/2016	161,687	176,530	46,370	30,913	0	0	0	0	0	0	0	0	207,750	207,750	207,750	207,750	207,750	207,750	1,292,250	1,292,250
Stations 6, 13, 28, 38, 41, 42	2,033,000	11/1/2010	3/31/2012	33,271	80,729	102,600	153,900	543,167	543,167	543,167	0	0	0	0	0	0	0	0	0	0	0	0	0
Stations 5	7,221,000	11/1/2010	1/31/2014	102,732	249,268	46,588	139,765	139,765	139,765	139,765	139,765	708,366	992,667	992,667	992,667	992,667	992,667	330,889	0	0	0	0	0
Station 2	3,866,000	11/1/2010	4/31/2013	54,868	105,226	52,788	74,647	74,647	74,647	74,647	74,647	733,549	1,063,000	1,063,000	354,333	0	0	0	0	0	0	0	0
Station 36	2,744,000	7/1/2012	9/30/2015	39,108	35,221	0	0	0	0	0	0	59,670	35,471	53,206	53,206	53,206	53,206	53,206	377,417	377,417	377,417	377,417	377,417
Station 44	611,000	11/1/2010	9/30/2012	9,923	19,030	17,797	19,125	19,125	19,125	128,750	183,563	183,563	0	0	0	0	0	0	0	0	0	0	
Station 17	811,000	10/1/2011	7/31/2013	13,425	12,091	0	0	0	20,484	28,227	28,227	28,227	100,131	243,938	243,938	81,313	0	0	0	0	0	0	0
Station 15, 18 40	1,022,000	10/1/2011	7/31/2013	16,927	15,245	0	0	0	25,827	35,591	35,591	35,591	125,165	304,313	304,313	101,438	0	0	0	0	0	0	0
Station 43	8,643,000	1/1/2012	2/28/2015	0	0	0	0	0	0	316,500	105,500	167,559	167,559	167,559	167,559	167,559	586,939	1,425,700	1,425,700	1,425,700	1,425,700	950,467	0
Stations 22	5,599,000	10/1/2011	12/31/2014	79,384	71,494	0	0	0	121,122	72,000	108,000	108,000	108,000	108,000	108,000	769,333	769,333	769,333	769,333	769,333	769,333	0	0
<b>PUBLIC SAFETY BUILDING</b>	<b>243,000,000</b>	<b>10/1/2010</b>	<b>12/31/2013</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Schematic Phase				6,470,958	409,042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Design Phase					1,176,842	3,530,526	3,530,526	3,530,526	3,530,526	3,530,526	3,530,526	0	0	0	0	0	0	0	0	0	0	0	0
Construction Administration					0	0	0	0	1,058,462	1,587,692	1,587,692	1,587,692	1,587,692	1,587,692	1,587,692	1,587,692	0	0	0	0	0	0	0
Construction					0	0	0	0	7,205,882	13,632,353	13,632,353	34,647,059	36,750,000	36,750,000	9,367,647	9,367,647	0	0	0	0	0	0	0
<b>QUARTER TOTAL</b>	<b>308,100,000</b>	<b>10/1/2010</b>	<b>9/30/2016</b>	<b>7,251,958</b>	<b>2,645,149</b>	<b>3,874,007</b>	<b>4,000,435</b>	<b>4,307,230</b>	<b>12,739,006</b>	<b>20,089,218</b>	<b>19,425,864</b>	<b>38,259,276</b>	<b>38,826,743</b>	<b>41,270,374</b>	<b>41,115,957</b>	<b>13,675,104</b>	<b>13,911,734</b>	<b>3,133,378</b>	<b>3,126,700</b>	<b>3,126,700</b>	<b>6,018,200</b>	<b>4,773,633</b>	<b>3,823,167</b>
<b>QUARTER CUMULATIVE</b>				<b>7,251,958</b>	<b>9,897,106</b>	<b>13,771,114</b>	<b>17,771,549</b>	<b>22,078,779</b>	<b>34,817,785</b>	<b>54,907,003</b>	<b>74,332,867</b>	<b>112,592,143</b>	<b>151,418,886</b>	<b>192,689,260</b>	<b>233,805,217</b>	<b>247,480,321</b>	<b>261,392,055</b>	<b>264,525,433</b>	<b>267,652,133</b>	<b>270,778,833</b>	<b>276,797,033</b>	<b>281,570,667</b>	<b>285,393,833</b>
<b>FISCAL YEAR TOTAL</b>							<b>17,771,549</b>				<b>56,561,318</b>			<b>159,472,350</b>				<b>33,846,917</b>				<b>17,741,700</b>	
<b>FISCAL YEAR CUMULATIVE</b>							<b>17,771,549</b>				<b>74,332,867</b>			<b>233,805,217</b>				<b>267,652,133</b>				<b>285,393,833</b>	

PUBLIC UTILITIES COMMISSION / AUXILIARY WATER SUPPLY SYSTEM (AWSS)

Description	ESER BUDGET	Schedule		FY 10/11				FY 11/12				FY 12/13				FY 13/14				FY 14/15			
				2010		2011		2011		2012		2012		2013		2013		2014		2014		2015	
		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.
				9/30/2010	12/31/2010	3/1/2011	6/30/2011	9/30/2011	12/31/2011	3/31/2012	6/30/2012	9/30/2012	12/31/2012	3/31/2013	6/30/2013	9/30/2013	12/31/2013	3/31/2014	6/30/2014	9/30/2014	12/31/2014	3/31/2015	6/30/2015
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>	<b>35,000,000</b>	<b>1/1/2011</b>	<b>12/31/2016</b>																				
Jones Street Tank	6,614,000	1/1/2011	3/31/2014	96,638	0	130,021	164,840	182,250	182,250	182,250	93,150	48,600	903,333	903,333	903,333	903,333	903,333	903,333	0	0	0	0	0
Ashbury Heights Tank	6,002,000	1/1/2011	12/31/2015	85,901	0	115,575	38,525	0	0	0	0	0	0	108,000	162,000	162,000	162,000	82,800	43,200	823,333	823,333	823,333	823,333
Twin Peaks Reservoir	4,378,000	1/1/2011	6/30/2017	64,425	0	86,681	28,894	0	0	0	0	0	0	0	0	0	0	0	0	0	81,000	121,500	121,500
Pump Station No. 2	14,446,000	1/1/2011	9/30/2014	209,383	0	281,713	300,375	309,706	309,706	309,706	309,706	309,706	1,482,500	1,482,500	1,482,500	1,482,500	1,482,500	1,482,500	1,482,500	1,482,500	0	0	0
Pump Station No. 1	3,560,000	1/1/2011	3/31/2016	0	0	112,500	37,500	0	0	0	0	0	0	0	0	50,000	75,000	75,000	75,000	75,000	75,000	439,286	621,429
<b>FIREFIGHTING CISTERNS</b>	<b>36,600,000</b>	<b>1/1/2011</b>	<b>6/30/2017</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>								
Contract No. 1	3,660,000	1/1/2011	12/31/2013	53,688	0	72,234	80,328	84,375	84,375	84,375	84,375	243,750	562,500	562,500	562,500	562,500	562,500	0	0	0	0	0	0
Contract No. 2	10,980,000	5/1/2012	6/30/2016	161,064	0	0	0	0	0	0	0	144,468	228,843	253,125	253,125	253,125	253,125	900,000	900,000	900,000	900,000	900,000	900,000
Contract No. 3	10,980,000	2/1/2013	12/31/2016	161,064	0	0	0	0	0	0	0	144,468	144,468	0	158,824	238,235	238,235	238,235	238,235	900,000	900,000	900,000	900,000
Contract No. 4	10,980,000	7/1/2013	6/30/2017	161,064	0	0	0	0	0	0	0	144,468	144,468	0	0	158,824	238,235	238,235	238,235	238,235	238,235	900,000	900,000
<b>FIREFIGHTING PIPES AND TUNNELS</b>	<b>32,600,000</b>	<b>2/1/2011</b>	<b>8/31/2017</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>								
AWSS Modernization CIP Study	3,000,000	2/1/2011	6/30/2012	0	0	352,941	529,412	529,412	529,412	529,412	529,412	0	0	0	0	0	0	0	0	0	0	0	0
Contract No. 1	9,768,070	5/1/2012	8/31/2016	159,453	0	0	0	0	0	0	0	98,308	157,642	178,000	178,000	178,000	178,000	390,200	814,600	814,600	814,600	814,600	814,600
Contract No. 2	9,768,070	5/1/2012	2/28/2017	0	0	0	0	0	0	0	0	178,035	178,035	0	0	188,471	188,471	188,471	188,471	397,180	814,600	814,600	814,600
Contract No. 3	10,063,860	5/1/2012	8/31/2017	164,285	0	0	0	0	0	0	0	101,288	101,288	0	0	0	0	194,294	194,294	194,294	194,294	409,263	839,200
<b>QUARTER TOTAL</b>	<b>104,200,000</b>	<b>1/1/2011</b>	<b>8/31/2017</b>	<b>1,316,964</b>	<b>0</b>	<b>1,151,665</b>	<b>1,179,874</b>	<b>1,105,743</b>	<b>1,105,743</b>	<b>1,105,743</b>	<b>1,827,678</b>	<b>1,556,800</b>	<b>3,379,458</b>	<b>3,646,282</b>	<b>3,968,164</b>	<b>4,176,988</b>	<b>4,475,694</b>	<b>4,693,069</b>	<b>4,174,535</b>	<b>5,825,143</b>	<b>4,841,063</b>	<b>6,122,582</b>	<b>6,734,662</b>
<b>QUARTER CUMULATIVE</b>				<b>1,316,964</b>	<b>1,316,964</b>	<b>2,468,629</b>	<b>3,648,503</b>	<b>4,754,245</b>	<b>5,859,988</b>	<b>6,965,730</b>	<b>8,793,409</b>	<b>10,350,208</b>	<b>13,729,667</b>	<b>17,375,949</b>	<b>21,344,113</b>	<b>25,521,100</b>	<b>29,996,794</b>	<b>34,689,863</b>	<b>38,864,398</b>	<b>44,689,541</b>	<b>49,530,604</b>	<b>55,653,186</b>	<b>62,387,848</b>
<b>FISCAL YEAR TOTAL</b>							<b>3,648,503</b>				<b>5,144,906</b>			<b>12,550,704</b>				<b>17,520,285&lt;/</b>					

DEPARTMENT OF PUBLIC WORKS / NEIGHBORHOOD STATIONS AND PUBLIC SAFETY BUILDING

Description	BUDGET	Schedule		FY 15/16				FY 16/17				FY 17/18				TOTAL
				2015		2016		2016		2017		2018		2018		
				1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	
		Start	Completion	9/30/2015	12/31/2015	3/31/2016	6/30/2016	9/30/2016	12/31/2016	3/31/2017	6/30/2017	9/30/2017	12/31/2017	3/31/2018	6/30/2018	
<b>NEIGHBORHOOD STATIONS</b>	<b>65,100,000</b>	<b>1/1/2011</b>	<b>9/30/2016</b>													
Mission Bay Fire Station				0	0	0	0	0	0	0	0	0	0	0	0	0
Fire Boat Headquarters	20,341,000	11/1/2010	9/30/2016	2,153,500	2,153,500	2,153,500	2,153,500	2,153,500	0	0	0	0	0	0	0	20,000,000
Equipment Logistics Center	12,209,000	11/1/2010	9/30/2016	1,292,250	1,292,250	1,292,250	1,292,250	1,292,250	0	0	0	0	0	0	0	12,000,000
Stations 6, 13, 28, 38, 41, 42	2,033,000	11/1/2010	3/31/2012	0	0	0	0	0	0	0	0	0	0	0	0	2,000,000
Stations 5	7,221,000	11/1/2010	1/31/2014	0	0	0	0	0	0	0	0	0	0	0	0	7,100,000
Station 2	3,866,000	11/1/2010	4/31/2013	0	0	0	0	0	0	0	0	0	0	0	0	3,800,000
Station 36	2,744,000	7/1/2012	9/30/2015	377,417	0	0	0	0	0	0	0	0	0	0	0	2,700,000
Station 44	611,000	11/1/2010	9/30/2012	0	0	0	0	0	0	0	0	0	0	0	0	600,000
Station 17	811,000	10/1/2011	7/31/2013	0	0	0	0	0	0	0	0	0	0	0	0	800,000
Station 15, 18 40	1,022,000	10/1/2011	7/31/2013	0	0	0	0	0	0	0	0	0	0	0	0	1,000,000
Station 43	8,643,000	1/1/2012	2/28/2015	0	0	0	0	0	0	0	0	0	0	0	0	8,500,000
Stations 22	5,599,000	10/1/2011	12/31/2014	0	0	0	0	0	0	0	0	0	0	0	0	5,500,000
<b>PUBLIC SAFETY BUILDING</b>	<b>243,000,000</b>	<b>10/1/2010</b>	<b>12/31/2013</b>	<b>0</b>												
Schematic Phase				0	0	0	0	0	0	0	0	0	0	0	0	6,880,000
Design Phase				0	0	0	0	0	0	0	0	0	0	0	0	22,360,000
Construction Administration				0	0	0	0	0	0	0	0	0	0	0	0	13,760,000
Construction				0	0	0	0	0	0	0	0	0	0	0	0	196,000,000
<b>QUARTER TOTAL</b>	<b>308,100,000</b>	<b>10/1/2010</b>	<b>9/30/2016</b>	<b>3,823,167</b>	<b>3,445,750</b>	<b>3,445,750</b>	<b>3,445,750</b>	<b>3,445,750</b>	<b>0</b>	<b>303,000,000</b>						
<b>QUARTER CUMULATIVE</b>				<b>289,217,000</b>	<b>292,662,750</b>	<b>296,108,500</b>	<b>299,554,250</b>	<b>303,000,000</b>								
<b>FISCAL YEAR TOTAL</b>							<b>14,160,417</b>				<b>3,445,750</b>				<b>0</b>	
<b>FISCAL YEAR CUMULATIVE</b>							<b>299,554,250</b>				<b>303,000,000</b>				<b>303,000,000</b>	

PUBLIC UTILITIES COMMISSION / AUXILIARY WATER SUPPLY SYSTEM (AWSS)

Description	ESER BUDGET	Schedule		FY 15/16				FY 16/17				FY 17/18				TOTAL
				2015		2016		2016		2017		2018		2018		
				1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	
		Start	Completion	9/30/2015	12/31/2015	3/31/2016	6/30/2016	9/30/2016	12/31/2016	3/31/2017	6/30/2017	9/30/2017	12/31/2017	3/31/2018	6/30/2018	
<b>AUXILIARY WATER SUPPLY SYSTEM (AWSS)</b>	<b>35,000,000</b>	<b>1/1/2011</b>	<b>12/31/2016</b>													
Jones Street Tank	6,614,000	1/1/2011	3/31/2014	0	0	0	0	0	0	0	0	0	0	0	0	6,500,000
Ashbury Heights Tank	6,002,000	1/1/2011	12/31/2015	823,333	823,333	0	0	0	0	0	0	0	0	0	0	5,900,000
Twin Peaks Reservoir	4,378,000	1/1/2011	6/30/2017	121,500	62,100	32,400	716,000	716,000	716,000	716,000	716,000	0	0	0	0	4,300,000
Pump Station No. 2	14,446,000	1/1/2011	9/30/2014	0	0	0	0	0	0	0	0	0	0	0	0	14,200,000
Pump Station No. 1	3,560,000	1/1/2011	3/31/2016	621,429	621,429	621,429	0	0	0	0	0	0	0	0	0	3,500,000
<b>FIREFIGHTING CISTERNS</b>	<b>36,600,000</b>	<b>1/1/2011</b>	<b>6/30/2017</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>							
Contract No. 1	3,660,000	1/1/2011	12/31/2013	0	0	0	0	0	0	0	0	0	0	0	0	3,600,000
Contract No. 2	10,980,000	5/1/2012	6/30/2016	900,000	900,000	900,000	900,000	0	0	0	0	0	0	0	0	10,800,000
Contract No. 3	10,980,000	2/1/2013	12/31/2016	900,000	900,000	900,000	900,000	900,000	900,000	0	0	0	0	0	0	10,800,000
Contract No. 4	10,980,000	7/1/2013	6/30/2017	900,000	900,000	900,000	900,000	900,000	900,000	900,000	900,000	0	0	0	0	10,800,000
<b>FIREFIGHTING PIPES AND TUNNELS</b>	<b>32,600,000</b>	<b>2/1/2011</b>	<b>8/31/2017</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>							
AWSS Modernization CIP Study	3,000,000	2/1/2011	6/30/2012	0	0	0	0	0	0	0	0	0	0	0	0	3,000,000
Contract No. 1	9,768,070	5/1/2012	8/31/2016	814,600	814,600	814,600	814,600	543,067	0	0	0	0	0	0	0	9,570,070
Contract No. 2	9,768,070	5/1/2012	2/28/2017	814,600	814,600	814,600	814,600	814,600	814,600	543,067	0	0	0	0	0	9,570,070
Contract No. 3	10,063,860	5/1/2012	8/31/2017	839,200	839,200	839,200	839,200	839,200	839,200	839,200	839,200	559,467	0	0	0	9,859,860
<b>QUARTER TOTAL</b>	<b>104,200,000</b>	<b>1/1/2011</b>	<b>8/31/2017</b>	<b>6,734,662</b>	<b>6,675,262</b>	<b>5,822,229</b>	<b>5,884,400</b>	<b>4,712,867</b>	<b>4,169,800</b>	<b>2,998,267</b>	<b>2,455,200</b>	<b>559,467</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>102,400,000</b>
<b>QUARTER CUMULATIVE</b>				<b>69,122,510</b>	<b>75,797,771</b>	<b>81,620,000</b>	<b>87,504,400</b>	<b>92,217,267</b>	<b>96,387,067</b>	<b>99,385,333</b>	<b>101,840,533</b>	<b>102,400,000</b>	<b>102,400,000</b>	<b>102,400,000</b>	<b>102,400,000</b>	
<b>FISCAL YEAR TOTAL</b>							<b>25,116,552</b>				<b>14,336,133</b>				<b>559,467</b>	
<b>FISCAL YEAR CUMULATIVE</b>							<b>87,504,400</b>				<b>101,840,533</b>				<b>102,400,000</b>	

ESER TOTAL

TOTAL PER QUARTER	407,200,000	10/1/2010	8/31/2017	10,557,829	10,121,012	9,267,979	9,330,150	8,158,617	4,169,800	2,998,267	2,455,200	559,467	0	0	0	405,400,000
QUARTER CUMULATIVE				<b>358,339,510</b>	<b>368,460,521</b>	<b>377,728,500</b>	<b>387,058,650</b>	<b>395,217,267</b>	<b>399,387,067</b>	<b>402,385,333</b>	<b>404,840,533</b>	<b>405,400,000</b>	<b>405,400,000</b>	<b>405,400,000</b>	<b>405,400,000</b>	
TOTAL PER FISCAL YEAR							<b>39,276,969</b>				<b>17,781,883</b>				<b>559,467</b>	
CUMULATIVE							<b>387,058,650</b>				<b>404,840,533</b>				<b>405,400,000</b>	

NOTE: THE BOND OVERSIGHT/ACCOUNTABILITY AND COST OF ISSUANCE TOTALING \$6.9M ARE NOT INCLUDED IN THE

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**ATTACHMENT 4 – GANTT CHART**

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EARTHQUAKE SAFETY EMERGENCY RESPONSE BOND PROGRAM

Description	BUDGET	Schedule Start Completion	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	
			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.
DEPARTMENT OF PUBLIC WORKS / NEIGHBORHOOD STATIONS AND PUBLIC SAFETY BUILDING																														
NEIGHBORHOOD STATIONS																														
Mission Bay Fire Station																														
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Fire Boat Headquarters																														
(Original Budget)		11/01/10 09/30/16	0																											
(Current/Revised Budget)																														
(Current/Revised Budget)																														
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Equipment Logistics Center																														
(Original Budget)		11/01/10 09/30/16	0																											
(Current/Revised Budget)																														
(Current/Revised Budget)																														
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Stations 6, 13, 28, 38, 41, 42																														
(Original Budget)		11/01/10 03/31/12	0																											
(Current/Revised Budget)																														
(Current/Revised Budget)																														
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Stations 5																														
(Original Budget)		11/01/10 01/31/14	0																											
(Current/Revised Budget)																														
(Current/Revised Budget)																														
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Station 2																														
(Original Budget)		11/01/10 4/31/2013	0																											
(Current/Revised Budget)																														
(Current/Revised Budget)																														
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Station 36																														
(Original Budget)		07/01/12 09/30/15	0																											
(Current/Revised Budget)																														
(Current/Revised Budget)																														
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Station 44																														
(Original Budget)		11/01/10 09/30/12	0																											
(Current/Revised Budget)																														
(Current/Revised Budget)																														
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Station 17																														
(Original Budget)		10/01/11 07/31/13	0																											
(Current/Revised Budget)																														
(Current/Revised Budget)																														
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Station 15, 18 40																														
(Original Budget)		10/01/11 07/31/13	0																											
(Current/Revised Budget)																														
(Current/Revised Budget)																														

Department of Public Works



