



AGENDA ITEM

Public Utilities Commission

City and County of San Francisco



DEPARTMENT Financial Services AGENDA NO. 10
 MEETING DATE February 10, 2015

Adopt the SFPUC 10-Year Capital Plan for FY 2015-16 to FY 2024-25

Manager: Frances Lee

Summary of Proposed Commission Action:	Public Hearing to consider and possible action to adopt the SFPUC 10-Year Capital Plan for FY 2015-16 through FY 2024-25
Background and Description:	<p>The SFPUC Financial Services staff seeks Commission adoption of the Charter-mandated Capital Plan for the 10-Year planning horizon FY 2015-16 through FY 2024-25. This rolling 10-year plan is required by the Charter Section 8B.123 and is revised annually as a part of the budget update process. It serves as a multi-year capital planning tool.</p> <p>To comply with this Charter requirement, staff requests the Commission approve the proposed 10-Year Capital Plan for FY 2015-16 to FY 2024-25.</p> <p>By March 1 of each odd-numbered year, beginning with March 1, 2013, the City Administrator shall submit to the Mayor and Board of Supervisors a ten-year capital expenditure plan which shall include an assessment of the City's capital infrastructure needs, investments required to meet the needs identified through this assessment, and a plan of finance to fund these investments. By May 1 of the same year, the Mayor and Board of Supervisors shall review, update, amend, and adopt by resolution the ten-year capital expenditure plan. The Mayor and Board of Supervisors may update the plan as necessary and appropriate to reflect the City's priorities, resources, and requirements.</p> <p>The capital expenditure plan shall include all recommended capital project investments for each year of the plan. The plan shall incorporate all major planned investments to maintain, repair, and improve the condition of the City's capital assets, including but not limited to city streets, sidewalks, parks, and rights-of-way; public transit infrastructure; airport and port; water, sewer, and power utilities; and all City-owned facilities.</p>

APPROVAL _____

COMMISSION SECRETARY Donna Hood

Result of Inaction:	SFPUC would not be in compliance with Charter Section 8B.123. Not approving this item would delay the 10-Year Capital Plan submittal to the Capital Planning Committee, the Mayor's Office, and the Board of Supervisors.										
Budget & Costs:	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">10-Year Capital Plan</th> <th style="text-align: right;">FYE 2016-2025</th> </tr> </thead> <tbody> <tr> <td>Wastewater Enterprise</td> <td style="text-align: right;">\$5,713,380,000</td> </tr> <tr> <td>Water Enterprise</td> <td style="text-align: right;">\$1,323,664,000</td> </tr> <tr> <td>Hetch Hetchy Water & Power</td> <td style="text-align: right;"><u>\$1,199,284,800</u></td> </tr> <tr> <td>Total SFPUC</td> <td style="text-align: right;">\$8,236,328,800</td> </tr> </tbody> </table>	10-Year Capital Plan	FYE 2016-2025	Wastewater Enterprise	\$5,713,380,000	Water Enterprise	\$1,323,664,000	Hetch Hetchy Water & Power	<u>\$1,199,284,800</u>	Total SFPUC	\$8,236,328,800
10-Year Capital Plan	FYE 2016-2025										
Wastewater Enterprise	\$5,713,380,000										
Water Enterprise	\$1,323,664,000										
Hetch Hetchy Water & Power	<u>\$1,199,284,800</u>										
Total SFPUC	\$8,236,328,800										
Recommendation:	SFPUC staff recommends that the Commission adopt the attached resolution.										
Attachments:	<ol style="list-style-type: none"> 1. SFPUC Resolution 2. Capital Plan 										

PUBLIC UTILITIES COMMISSION

City and County of San Francisco

RESOLUTION NO. _____

WHEREAS, The City’s Charter Section 8B.123 requires the Commission to annually review, update and adopt the Ten-Year Capital Plan; and

WHEREAS, The San Francisco Public Utilities Commission proposed Capital Improvement Program Budget must be submitted to, and approved by, Mayor Edwin M. Lee and the Board of Supervisors; now, therefore, be it

RESOLVED, the FY 2015-16 to FY 2024-25 Ten-Year Capital Plan is hereby adopted:

10-Year Capital Plan	FYE 2016-2025
Wastewater Enterprise	\$5,713,380,000
Water Enterprise	\$1,323,664,000
Hetch Hetchy Water & Power	\$1,199,284,800
Total SFPUC	\$8,236,328,800

I hereby certify that the foregoing resolution was adopted by the Public Utilities Commission at its meeting of February 10, 2015.

Secretary, Public Utilities Commission

Wastewater Enterprise FY 2016 - 2025 Ten Year CIP

San Francisco Public Utilities Commission

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	USES	Project	Available Balance as of 12/31/14	FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	1	FY 15-24	FY 16-25	Change
2	Sewer System Improvement Program														2			
3	Program Wide Efforts	CWWSIPPR/PL	29,783,842	23,000,000	24,000,000	23,000,000	22,000,000	19,000,000	19,000,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	3	202,000,000	197,000,000	(5,000,000)
4	Land Reuse (candidate)	CWWSIPPR/PL	35,299,948	5,000,000	29,253,000	43,500,000	10,000,000	0	0	0	0	0	0	0	4	87,753,000	82,753,000	(5,000,000)
5	Biofuel/Alternative Energy Studies	CWWBAE	7,755,947	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
6	Subtotal		72,839,737	28,000,000	53,253,000	66,500,000	32,000,000	19,000,000	19,000,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	6	289,753,000	279,753,000	(10,000,000)
7	Treatment Facilities														7			
8	Biosolids/Digester Project	CWWSIPDP	51,268,225	42,600,000	122,600,000	27,600,000	298,700,000	440,300,000	98,900,000	98,900,000	8,800,000	8,800,000	3,100,000	0	8	1,150,300,000	1,107,700,000	(42,600,000)
9	Southeast Plant - New 250 MGD Grit Improvements	CWWSIPSE02	1,041,480	9,900,000	13,950,000	3,170,000	126,790,000	4,400,000	19,500,000	0	0	0	0	0	9	177,710,000	167,810,000	(9,900,000)
10	Southeast Plant	CWWSIPSE	65,083,790	32,520,000	89,031,000	72,110,000	60,640,000	105,650,000	80,160,000	49,400,000	128,280,000	25,440,000	15,700,000	14,750,000	10	658,931,000	641,161,000	(17,770,000)
11	North Point Facility	CWWSIPTPNP	1,547,413	7,550,000	29,750,000	22,800,000	45,230,000	7,260,000	2,850,000	5,200,000	21,400,000	11,250,000	121,000,000	72,800,000	11	274,290,000	339,540,000	65,250,000
12	Treatment Plant Improvements	CWWSIPTP00	40,750,000	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0
13	Westside Pump Station and Force Main	CWWSIPTP00	0	2,700,000	6,130,000	7,400,000	75,100,000	6,200,000	4,700,000	1,950,000	200,000	0	0	0	13	104,380,000	101,680,000	(2,700,000)
14	Oceanside Plant	CWWSIPTPOP	5,508,418	11,850,000	9,400,000	23,510,000	26,950,000	8,300,000	9,650,000	1,300,000	100,000	9,680,000	23,750,000	19,300,000	14	124,490,000	131,940,000	7,450,000
15	Subtotal		165,199,326	107,120,000	270,861,000	156,590,000	633,410,000	572,110,000	215,760,000	156,750,000	158,780,000	55,170,000	163,550,000	106,850,000	15	2,490,101,000	2,489,831,000	(270,000)
16	Sewer/Collection System														16			
17	Central Bayside System Improvements	CWWSIPCT	27,176,942	14,000,000	24,800,000	31,030,000	31,000,000	163,800,000	505,000,000	215,400,000	36,500,000	98,000,000	98,000,000	3,600,000	17	1,217,530,000	1,207,130,000	(10,400,000)
18	Collection System - Interceptors/Tunnels/Odor Control	CWWSIPCSSR	51,387,136	11,000,000	31,800,000	12,176,000	6,971,000	25,023,000	6,002,000	2,701,000	924,000	924,000	315,000	0	18	97,836,000	86,836,000	(11,000,000)
19	Transport/Storage & Combined Sewer Discharge Structures	CWWSIPCSCD	0	5,500,000	9,300,000	10,900,000	10,300,000	11,800,000	10,900,000	7,200,000	6,400,000	6,600,000	6,600,000	50,780,000	19	85,500,000	130,780,000	45,280,000
20	Pump Stations / Force Main Improvements	CWWSIPPS	0	1,300,000	8,600,000	8,310,000	10,700,000	15,600,000	14,899,000	20,600,000	23,000,000	27,800,000	9,996,000	145,714,000	20	140,805,000	285,219,000	144,414,000
21	Force Main Improvements (combined with Pump Stations)	CWWSIPNC	13,010,347	0	0	0	0	0	0	0	0	0	0	0	21	0	0	0
22	Subtotal		91,574,425	31,800,000	74,500,000	62,416,000	58,971,000	216,223,000	536,801,000	245,901,000	66,824,000	133,324,000	114,911,000	200,094,000	22	1,541,671,000	1,709,965,000	168,294,000
23	Stormwater Management/Flood Control														23			
24	Drainage Basin / Early Implementation Projects	CWWSIPFCDB	51,268,225	25,600,000	15,400,000	2,500,000	780,000	340,000	140,000	0	0	0	0	0	24	44,760,000	19,160,000	(25,600,000)
25	Low Impact Design Program	CWWLID	1,290,208	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0
26	Green Infrastructure Projects	CWWSIPFCGI	0	0	0	2,000,000	3,000,000	7,800,000	6,660,000	4,740,000	10,600,000	27,800,000	30,000,000	27,800,000	26	92,600,000	120,400,000	27,800,000
27	Advance Rainfall Predictions & Operational Decision System	CWWSIPFCRP	1,615,790	11,700,000	8,270,000	560,000	520,000	200,000	140,000	0	0	0	0	0	27	21,390,000	9,690,000	(11,700,000)
28	Watershed Assessment	CWWSIPUW	3,829,397	3,000,000	0	0	0	0	0	0	0	0	0	0	28	3,000,000	0	(3,000,000)
29	Subtotal		58,003,620	40,300,000	23,670,000	5,060,000	4,300,000	8,340,000	6,940,000	4,740,000	10,600,000	27,800,000	30,000,000	27,800,000	29	161,750,000	149,250,000	(12,500,000)
30	SSIP TOTAL		387,617,108	207,220,000	422,284,000	290,566,000	728,681,000	815,673,000	778,501,000	425,391,000	254,204,000	234,294,000	326,461,000	352,744,000	30	4,483,275,000	4,628,799,000	145,524,000
31	Wastewater Interim CIP														31			
32	Pump Stations		0	0	0	0	0	0	0	0	0	0	0	0	32	0	0	0
33	Sewer/Collection System		0	0	0	0	0	0	0	0	0	0	0	0	33	0	0	0
34	Treatment Facilities		0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	0
35	Subtotal	CENMSCIC	25,732,642	0	0	0	0	0	0	0	0	0	0	0	35	0	0	0
36	Renewal and Replacement														36			
37	Collection System - Condition Assessment	CWWRNROI	3,615,068	3,530,000	3,725,000	3,781,000	3,327,000	0	0	0	0	0	0	0	37	14,363,000	10,833,000	(3,530,000)
38	Collection System - Sewer Improvements	CWWRNRCS	56,291,065	52,499,000	54,338,000	56,240,000	58,209,000	60,246,000	62,354,000	62,354,000	62,354,000	62,354,000	62,354,000	81,124,000	38	593,302,000	621,927,000	28,625,000
39	Collection System - Spot Sewer	VARIOUS	0	19,251,000	19,925,000	20,622,000	21,345,000	11,000,000	11,000,000	11,000,000	11,000,000	11,000,000	11,000,000	16,530,000	39	147,143,000	144,422,000	(2,721,000)
40	Subtotal		59,906,133	75,280,000	77,988,000	80,643,000	82,881,000	71,246,000	73,354,000	73,354,000	73,354,000	73,354,000	73,354,000	97,654,000	40	754,808,000	777,182,000	22,374,000
41	Treatment Plant Improvements														41			
42		CWWRNRTF	15,125,675	12,442,000	13,063,000	13,715,000	14,402,000	15,121,000	15,878,000	16,673,000	17,506,000	18,381,000	19,301,000	20,266,000	42	156,482,000	164,306,000	7,824,000
43	Treasure Island														43			
44	New Wastewater Treatment Facility	CWP110	3,211,039	0	0	0	2,463,000	41,240,000	24,036,000	12,018,000	12,018,000	12,018,000	0	0	44	103,793,000	103,793,000	0
45	Subtotal		3,211,039	0	0	0	2,463,000	41,240,000	24,036,000	12,018,000	12,018,000	12,018,000	0	0	45	103,793,000	103,793,000	0
46	Wastewater Facilities & Infrastructure														46			
47	Collection System Division Consolidation	CWWFAC02	12,113,642	0	20,000,000	0	0	0	0	0	0	0	0	0	47	20,000,000	20,000,000	0
48	Ocean Beach Protection	CWWFAC01	3,374,742	2,700,000	3,300,000	2,000,000	4,000,000	4,000,000	6,000,000	0	0	0	0	0	48	22,000,000	19,300,000	(2,700,000)
49	Southeast Community Center Improvements	CWWFAC03	21,986,358	7,000,000	0	0	0	0	0	0	0	0	0	0	49	7,000,000	0	(7,000,000)
50	Subtotal		37,474,742	9,700,000	23,300,000	2,000,000	4,000,000	4,000,000	6,000,000	0	0	0	0	0	50	49,000,000	39,300,000	(9,700,000)
51	Total USES		529,067,339	304,642,000	536,635,000	386,924,000	832,427,000	947,280,000	897,769,000	527,436,000	357,082,000	338,047,000	419,116,000	470,664,000	51	5,547,358,000	5,713,380,000	166,022,000
52	SOURCES														52			
53	Revenue Funding														53			
54	Revenue			39,000,000	41,000,000	43,000,000	45,000,000	48,000,000	50,000,000	52,000,000	55,000,000	57,750,000	60,638,000	63,670,000	54	491,388,000	516,058,000	

Water Enterprise FY 2016 - 2025 Ten Year CIP

San Francisco Public Utilities Commission

	A	B	C	D	E	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	USES	Project	Available Balance as of 12/31/14	FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	1	FY 15-24	FY 16-25	Change
2	REGIONAL WATER																	
3	Water Treatment Program																	
4	Water Treatment Program	CUW27200	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
5	Tesla UV Facility	CUW27201	814,848	600,000	600,000	600,000	280,000	280,000	280,000	280,000	280,000	280,000	289,000	303,000	5	3,769,000	3,472,000	(297,000)
6	SVWTP & East Bay Fields	CUW27202	6,317,553	5,900,000	700,000	2,970,000	400,000	400,000	400,000	400,000	400,000	400,000	413,000	430,000	6	9,813,000	6,913,000	(2,900,000)
7	HTWTP & West Bay Fields	CUW27203	2,519,387	2,341,000	2,347,000	1,552,000	1,709,000	1,214,000	1,221,000	1,228,000	1,234,000	1,234,000	1,248,000	1,275,000	7	14,328,000	14,262,000	(66,000)
8		Subtotal	9,651,788	8,841,000	3,647,000	5,122,000	2,389,000	1,894,000	1,901,000	1,908,000	1,914,000	1,914,000	1,950,000	2,008,000	8	27,910,000	24,647,000	(3,263,000)
9	Water Transmission Program																	
10	Water Transmission Program	CUW27300	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0
11	Corrosion Protection Capital Upgrades	CUW27301	2,414,871	1,850,000	1,850,000	1,850,000	1,900,000	1,900,000	1,900,000	1,900,000	1,900,000	1,900,000	1,900,000	1,900,000	11	18,850,000	18,900,000	50,000
12	Pipeline Inspection and Repair Project	CUW27302	2,070,726	1,010,000	1,010,000	1,080,000	1,080,000	1,080,000	1,080,000	1,080,000	1,080,000	1,080,000	1,080,000	1,080,000	12	10,590,000	10,660,000	70,000
13	Pump Station Upgrades	CUW27304	919,936	910,000	910,000	3,410,000	3,680,000	1,180,000	1,180,000	1,180,000	1,180,000	1,180,000	1,216,000	1,230,000	13	11,026,000	16,346,000	5,320,000
14	Pipeline Improvement Program	CUW27305	3,293,301	730,000	3,450,000	4,100,000	1,780,000	50,900,000	45,600,000	9,637,000	100,000	100,000	103,000	103,000	14	120,400,000	115,873,000	(4,527,000)
15	Valve Replacement	CUW27306	508,000	508,000	1,013,000	1,013,000	1,350,000	1,350,000	1,350,000	1,350,000	1,350,000	1,350,000	1,390,000	1,398,000	15	12,024,000	12,914,000	890,000
16	Vault Upgrades	CUW27307	338,000	338,000	338,000	338,000	675,000	675,000	675,000	675,000	675,000	675,000	695,000	707,000	16	5,759,000	6,128,000	369,000
17	Calaveras Micro Turbine	CUW27308	3,798,000	1,500,000	2,860,000	2,860,000	0	0	0	0	0	0	0	0	17	4,360,000	5,720,000	1,360,000
18	Metering Upgrades	CUW27309	646,421	350,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	206,000	206,000	18	2,156,000	2,012,000	(144,000)
19	Town of Sunol Fire Suppression System	CUW26308	1,426,487	2,000,000	0	0	0	0	0	0	0	0	0	0	19	2,000,000	0	(2,000,000)
20		Subtotal	15,415,742	9,196,000	11,631,000	14,781,000	10,665,000	57,285,000	51,985,000	16,022,000	6,485,000	6,485,000	6,590,000	6,624,000	20	187,165,000	188,553,000	1,388,000
21	Water Supply & Storage Program																	
22	Water Supply & Storage Program	CUW27400	3,425,000	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0
23	Dam Structural Upgrades (w/geotech)	CUW27401	2,140,823	1,855,000	994,000	1,539,000	1,749,000	2,610,000	17,632,000	310,000	310,000	310,000	311,000	33,000	23	27,620,000	25,798,000	(1,822,000)
24	Desalination - Regional			200,000	200,000	200,000	200,000	200,000	200,000	0	3,000,000	19,500,000	17,500,000	187,000,000	24	8,200,000	228,000,000	219,800,000
25		Subtotal	5,565,823	2,055,000	1,194,000	1,739,000	1,949,000	2,810,000	17,832,000	310,000	3,310,000	19,810,000	17,811,000	187,033,000	25	35,820,000	253,798,000	217,978,000
26	Watersheds & Land Management																	
27	Watersheds & Land Management	CUW27500	10,160,314	0	0	0	0	0	0	0	0	0	0	0	27	0	0	0
28	Watershed Structures Upgrades	CUW27511	742,981	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0
29	Watershed Roads and ROW Management	CUW27512	26,317	1,408,000	2,804,000	1,504,000	1,504,000	1,504,000	1,504,000	1,504,000	1,504,000	1,504,000	1,504,000	2,700,000	29	16,244,000	17,536,000	1,292,000
30	Watershed Cottage/Buildings Upgrades	CUW27513	17,049	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0
31	EBRPD Water System	CUW27514	32,672	0	0	0	0	0	0	0	0	0	0	0	31	0	0	0
32		Subtotal	10,979,333	1,408,000	2,804,000	1,504,000	1,504,000	1,504,000	1,504,000	1,504,000	1,504,000	1,504,000	1,504,000	2,700,000	32	16,244,000	17,536,000	1,292,000
33	Communication & Monitoring Program																	
34	Communication & Monitoring Program	CUW27600	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	0
35	Microwave Backbone Upgrade	CUW27601	3,082,563	2,500,000	1,500,000	0	0	0	0	0	0	0	0	0	35	4,000,000	1,500,000	(2,500,000)
36	WSTD Security System	CUW27602	1,000,000	1,000,000	500,000	939,000	544,000	500,000	500,000	500,000	500,000	500,000	515,000	515,000	36	5,615,000	5,513,000	(102,000)
37		Subtotal	4,082,563	3,500,000	2,000,000	939,000	544,000	500,000	500,000	500,000	500,000	500,000	515,000	515,000	37	9,615,000	7,013,000	(2,602,000)
38	Buildings and Grounds Programs																	
39	Buildings and Grounds Programs	CUW27700	11,797,018	0	0	0	0	0	0	0	0	0	0	0	39	0	0	0
40	Sunol Yard	CUW27701	4,143,599	500,000	25,875,000	3,675,000	3,425,000	286,000	295,000	304,000	313,000	322,000	333,000	335,000	40	35,328,000	35,163,000	(165,000)
41	Millbrae Yard Upgrade	CUW27703	1,897,111	0	1,490,000	1,490,000	1,518,000	500,000	500,000	500,000	500,000	515,000	530,000	530,000	41	7,543,000	8,073,000	530,000
42		Subtotal	17,837,728	500,000	27,365,000	5,165,000	4,943,000	786,000	795,000	804,000	813,000	837,000	863,000	865,000	42	42,871,000	43,236,000	365,000
43														43				
44		REGIONAL WATER TOTAL	63,532,977	25,500,000	48,641,000	29,250,000	21,994,000	64,779,000	74,517,000	21,048,000	14,526,000	31,050,000	29,233,000	199,745,000	44	319,625,000	534,783,000	215,158,000
45														45				
46	LOCAL WATER																	
47	Local Water Conveyance /Distribution System	CUW280	64,774,465	53,700,000	53,700,000	53,700,000	54,700,000	54,700,000	54,700,000	54,700,000	36,700,000	53,700,000	53,700,000	53,700,000	47	537,000,000	524,000,000	(13,000,000)
48	Buildings & Grounds Improvements - Local	CUW688	3,856,571	800,000	1,525,000	10,525,000	725,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	48	16,575,000	16,275,000	(300,000)
49	Pacific Rod & Gun Club Remediation Project	CUW281	11,069,930	11,105,000	155,000	0	0	0	0	0	0	0	0	0	49	11,260,000	155,000	(11,105,000)
50	Systems Monitoring & Control	CUW282	1,275,616	1,510,000	5,900,000	5,800,000	0	0	0	0	0	0	0	0	50	13,210,000	11,700,000	(1,510,000)
51	Other Recycled Water Projects - Local	CUW278	2,385,322	986,000	3,925,000	0	0	0	0	0	0	0	0	0	51	4,911,000	3,925,000	(986,000)
52	Treasure Island Capital Upgrades	CUW270	9,851,891	0	0	0	3,000,000	0	0	0	0	0	0	0	52	3,000,000	3,000,000	0
53	College Hill Reservoir Outlet Structure Retrofit	CUW283	650,000	650,000	2,820,000	50,000	0	0	0	0	0	0	0	0	53	3,520,000	2,870,000	(650,000)
54	McLaren Park Pump Station Upgrades	CUW284	0	0	358,000	944,000	12,558,000	928,000	0	0	0	0	0	0	54	14,788,000	14,788,000	0
55	Merced Manor Reservoir Facilities Repairs	CUW285	0	0	270,000	574,000	6,591,000	432,000	0	0	0	0	0	0	55	7,867,000	7,867,000	0
56		LOCAL WATER TOTAL	93,863,795	68,751,000	68,653,000	71,593,000	77,574,000	56,560,000	55,200,000	55,200,000	37,200,000	54,200,000	54,200,000	54,200,000	56	612,131,000	584,580,000	(27,551,000)
57														57				
58	Auxiliary Water Supply System																	
59	ESER1	CUWAWS	48,065,342	30,928,000	0	0	0	0	0	0	0	0	0	0	59	30,928,000	0	(30,928,000)
60	Fire Response GO Bond Funded			50,000,000	0	0	0	0	0	0	30,000,000	62,000,000	0	0	60	142,000,000	92,000,000	(50,000,000)
61	25% share of Co-Benefiting Projects			5,000,000	0	0	0	0	0	0	18,000,000	0	0	0	61	23,000,		

Water Enterprise FY 2016 - 2025 Ten Year CIP

San Francisco Public Utilities Commission

	A	B	C	D	E	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	USES	Project	Available Balance as of 12/31/14	FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	1	FY 15-24	FY 16-25	Change
63															63			
64	Base Funded by WSIP														64			
65	San Francisco Groundwater Supply	CUW30102	38,614,811	0	0	3,122,000	1,873,000	0	0	0	0	0	0	0	65	4,995,000	4,995,000	0
66	SF Westside Recycled Water Project	CUW30201	136,401,897	0	0	19,806,000	5,500,000	5,500,000	272,000	0	0	0	0	0	66	31,078,000	31,078,000	0
67	Calaveras Dam - WSIP Augmentation	CUW374	62,266,097	50,000,000	40,000,000	5,000,000	0	0	0	0	0	0	0	0	67	95,000,000	45,000,000	(50,000,000)
68	New Irvington Tunnel	CUW359	16,311,105	10,000,000	0	0	0	0	0	0	0	0	0	0	68	10,000,000	0	(10,000,000)
69	Alameda Creek - WSIP Augmentation	CUW352	18,599,164	0	0	5,000,000	0	0	0	0	0	0	0	0	69	5,000,000	5,000,000	0
70	Crystal Springs/San Andreas Upgrade	CUW371	16,902,163	5,000,000	0	0	0	0	0	0	0	0	0	0	70	5,000,000	0	(5,000,000)
71	Regional Groundwater Storage & Recovery	CUW30103	82,657,451	7,178,000	1,074,000	3,222,000	0	0	0	0	0	0	0	0	71	10,400,000	4,296,000	(6,104,000)
72	Regional Groundwater Storage & Recovery (Non-WSIP)					3,932,000	0	0	0	0	0	0	0	0	72	0	3,932,000	3,932,000
73	WSIP Augmentation - Subtotal		371,752,688	72,178,000	41,074,000	40,082,000	7,373,000	5,500,000	272,000	0	0	0	0	0	73	161,473,000	94,301,000	(67,172,000)
74															74			
75															75			
76	Total USES		577,214,802	252,357,000	158,368,000	140,925,000	106,941,000	126,839,000	129,989,000	76,248,000	99,726,000	147,250,000	83,433,000	253,945,000	76	1,289,157,000	1,323,664,000	34,507,000
77															77			
78	SOURCES			FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	78	FY 15-24	FY 16-25	Change
79	Revenue Funding														79			
80	Regional Revenue			15,275,000	21,712,600	18,341,000	18,952,000	51,804,000	51,804,000	11,371,000	11,377,000	11,377,000	11,733,000	12,320,000	80	223,746,600	220,791,600	(2,955,000)
81	Local Revenue			13,944,000	15,771,400	0	0	20,000,000	25,000,000	30,000,000	35,000,000	36,750,000	38,587,500	40,516,000	81	215,052,900	241,624,900	26,572,000
82	Total Revenue Sources			29,219,000	37,484,000	18,341,000	18,952,000	71,804,000	76,804,000	41,371,000	46,377,000	48,127,000	50,320,500	52,836,000	82	438,799,500	462,416,500	23,617,000
83	Debt Funding														83			
84	Regional Bonds			72,178,000	56,311,000	43,663,000	5,898,000	18,475,000	22,985,000	9,677,000	3,149,000	19,673,000	17,500,000	187,000,000	84	235,435,000	384,331,000	148,896,000
85	Local Bonds			0	61,573,000	77,921,000	81,091,000	35,560,000	29,200,000	24,200,000	1,200,000	16,450,000	14,612,500	13,109,000	85	342,962,500	354,916,500	11,954,000
86	General Obligation Bonds - ESER 2010			30,928,000	0	0	0	0	0	0	0	0	0	0	86	30,928,000	0	(30,928,000)
87	General Obligation Bonds - ESER 2014			55,000,000	0	0	0	0	0	0	0	0	0	0	87	55,000,000	0	(55,000,000)
88	General Obligation Bonds - ESER 2020 & Beyond			0	0	0	0	0	0	48,000,000	62,000,000	0	0	0	88	110,000,000	110,000,000	0
89	Total Debt Sources			158,106,000	117,884,000	121,584,000	86,989,000	54,035,000	52,185,000	33,877,000	52,349,000	98,123,000	32,112,500	200,109,000	89	774,325,500	849,247,500	74,922,000
90	Other Funding														90			
91	BAWSCA Pre-payment Bonds - Retail Customers Share			62,532,000	0	0	0	0	0	0	0	0	0	0	91	62,532,000	0	(62,532,000)
92	Capacity Fee - Fund Balance			2,500,000	3,000,000	0	0	0	0	0	0	0	0	0	92	2,500,000	3,000,000	500,000
93	Capacity Fee - New Development			0	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	93	11,000,000	9,000,000	(2,000,000)
94	Total Other Sources			65,032,000	3,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	94	76,032,000	12,000,000	(64,032,000)
95															95			
96	Total SOURCES			252,357,000	158,368,000	140,925,000	106,941,000	126,839,000	129,989,000	76,248,000	99,726,000	147,250,000	83,433,000	253,945,000	96	1,289,157,000	1,323,664,000	34,507,000
97															97			
98	Surplus / Shortfall			0	0	0	0	0	0	0	0	0	0	0	98	0	0	0
99															99			
100	FY 2015-2024 Approved Plan			252,357,000	158,368,000	126,449,000	103,498,000	126,839,000	129,989,000	76,248,000	117,726,000	130,750,000	66,933,000	0	100			
101	Variance			(252,357,000)	0	14,476,000	3,443,000	0	0	0	(18,000,000)	16,500,000	16,500,000	253,945,000	101			

Hetch Hetchy Enterprise FY 2016 - 2025 Ten Year CIP

San Francisco Public Utilities Commission

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	USES	Project	Available Balance as of 12/31/2014	FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	1	FY 15-24	FY 16-25	Change
2	Hetch Hetchy Power																	
3	Streetlights																	
4	Various Streetlighting Replacement & Repairs	CUH896	27,316,147	550,000	550,000	550,000	550,000	550,000	550,000	550,000	550,000	550,000	550,000	550,000	4	5,500,000	5,500,000	0
5	Various Streetlighting Area Improvements	CUH896	0	1,500,000	1,500,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5	11,000,000	10,500,000	(500,000)
6	LED Conversion Project	CUH896	15,036,124	0	0	0	0	0	0	0	0	0	0	6	0	0	0	
7	High Voltage 5 kV Series Loop Conversion	CUH896	0	3,000,000	2,000,000	1,500,000	1,500,000	1,500,000	1,500,000	0	0	0	0	7	11,000,000	8,000,000	(3,000,000)	
8	Van Ness Bus Rapid Transit Project	CUH896	462,491	0	1,500,000	0	0	0	0	0	0	0	0	8	1,500,000	1,500,000	0	
9	HHP-3rd St SL Rehabilitation	CUH896	0	1,920,000	1,920,000	0	0	0	0	0	0	0	0	9	3,840,000	1,920,000	(1,920,000)	
10	HHP-Holiday & Festivity Pole Use	CUH896	0	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	10	2,000,000	2,000,000	0	
11	HHP-Pedestrian Lighting Project -	CUH896	0	1,280,000	960,000	960,000	960,000	960,000	960,000	1,296,000	960,000	960,000	960,000	11	10,256,000	9,936,000	(320,000)	
12	HHP-Street & Pedestrian Light Pole Assessment	CUH896	0	500,000	500,000	500,000	500,000	500,000	500,000	500,000	470,000	500,000	500,000	12	4,970,000	4,970,000	0	
13	HHP-Streetlight Ownership Consolidation	CUH896	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	
14	HHP-Streetlights Pole Rehabilitation -	CUH896	0	5,120,000	2,816,000	1,024,000	1,024,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	14	9,984,000	11,864,000	1,880,000	
15	Subtotal		42,814,762	14,070,000	11,946,000	5,734,000	5,734,000	5,710,000	5,710,000	4,546,000	4,180,000	4,210,000	4,210,000	4,210,000	15	60,050,000	56,190,000	(3,860,000)
16	Transmission/Distribution																	
17	Install SCADA at Substation - Millbrae Annex	CUH885	2,697,909	0	0	0	0	0	0	0	0	0	0	17	0	0	0	
18	Load Meter Program	CUH972	4,389,150	1,000,000	0	0	0	0	0	0	0	0	0	18	1,000,000	0	(1,000,000)	
19	Transbay Transit Center	CUH985	7,732,600	0	1,250,000	0	0	0	0	0	0	0	0	19	1,250,000	1,250,000	0	
20	Subtotal		14,819,659	1,000,000	1,250,000	0	0	0	0	0	0	0	0	20	2,250,000	1,250,000	(1,000,000)	
21	Renewable/Generation																	
22	Renewable/Generation - Small Renewables	CUH993	6,758,676	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	22	10,000,000	10,000,000	0	
23	Renewable/Generation - Small Hydro	CUH994	3,480,108	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	23	2,000,000	2,000,000	0	
24	GoSolarSF Program	CUH94763	6,726,126	5,000,000	5,000,000	2,000,000	2,000,000	0	0	0	0	0	0	24	14,000,000	9,000,000	(5,000,000)	
25	Hetchy Cap & Trade Allowances	CUHCAP	2,369,798	0	0	0	0	0	0	0	0	0	0	25	0	0	0	
26	Subtotal		19,334,708	6,200,000	6,200,000	3,200,000	3,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	26	26,000,000	21,000,000	(5,000,000)
27	Energy Efficiency																	
28	Civic Center Sustainability District	CUH983	3,074,004	162,000	162,000	162,000	162,000	162,000	162,000	162,000	162,000	162,000	162,000	28	1,620,000	1,620,000	0	
29	Energy Efficiency - General Fund	CUH986	3,800,424	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	29	5,000,000	5,000,000	0	
30	Energy Efficiency - All Others	CUH995	972,620	338,000	338,000	338,000	338,000	338,000	338,000	338,000	338,000	338,000	338,000	30	3,380,000	3,380,000	0	
31	Hetchy Cap & Trade Allowances	CUHCAP	218,000	0	0	0	0	0	0	0	0	0	0	31	0	0	0	
32	Subtotal		8,065,048	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	32	10,000,000	10,000,000	0
33	Redevelopment																	
34	New Underground 12-kV Distribution System in TI & YBI	CUH980	8,269,426	3,050,000	2,950,000	2,100,000	2,100,000	2,100,000	2,100,000	2,100,000	2,100,000	0	0	34	18,600,000	15,550,000	(3,050,000)	
35	New Underground 12-kV Distribution System in Oakland		0	0	0	3,100,000	2,850,000	0	0	0	0	0	0	35	5,950,000	5,950,000	0	
36	New 115-kV Substation in Oakland		0	0	0	3,150,000	0	0	0	0	0	0	0	36	3,150,000	3,150,000	0	
37	Treasure Island Utility Setup Cost		0	0	0	1,250,000	0	0	0	0	0	0	0	37	1,250,000	1,250,000	0	
38	HHP- HP Phase 2 - Alice Griffith/Candlestick Point		0	0	0	4,000,000	5,000,000	0	0	0	0	0	0	38	9,000,000	9,000,000	0	
39	Subtotal		8,269,426	3,050,000	2,950,000	9,600,000	8,950,000	7,100,000	2,100,000	2,100,000	2,100,000	0	0	39	37,950,000	34,900,000	(3,050,000)	
40	HETCHY POWER TOTAL																	
41			93,303,603	25,320,000	23,346,000	19,534,000	18,884,000	15,010,000	10,010,000	8,846,000	8,480,000	6,410,000	6,410,000	6,410,000	41	136,250,000	123,340,000	(12,910,000)
42	Hetch Hetchy Water																	
43	Water Infrastructure																	
44	Water Infrastructure - Unallocated	CUH10000	8,130,388	0	0	0	0	0	0	0	0	0	0	44	0	0	0	
45	Water Infrastructure - Project Development	CUH100PD	212,612	0	0	0	0	0	0	0	0	0	0	45	0	782,000	782,000	
46	San Joaquin Pipeline Rehabilitation	CUH10001	2,217,466	300,000	600,000	8,600,000	8,600,000	8,600,000	8,600,000	8,600,000	8,600,000	8,600,000	8,600,000	46	69,700,000	77,220,000	7,520,000	
47	Mountain Tunnel Lining	CUH10002	2,198,848	0	0	0	0	0	0	0	0	0	0	47	0	0	0	
48	Lower Cherry Aqueduct	CUH10003	10,599,837	18,100,000	0	0	0	0	0	0	0	0	0	48	18,100,000	0	(18,100,000)	
49	Priest Reservoir Lining, Water Quality	CUH10005	20,019	700,000	1,400,000	0	0	0	0	0	0	0	0	49	2,100,000	1,400,000	(700,000)	
50	Subtotal		23,379,170	19,100,000	2,000,000	8,600,000	8,600,000	8,600,000	8,600,000	8,600,000	8,600,000	8,600,000	8,600,000	8,600,000	50	89,900,000	79,402,000	(10,498,000)
51	Power Infrastructure																	
52	Power Infrastructure - Unallocated	CUH10100	46,166,454	0	0	0	0	0	0	0	0	0	0	52	0	0	0	
53	Power Infrastructure - Project Development	CUH101PD	1,837,070	0	0	0	0	0	0	0	0	0	0	53	0	0	0	
54	Transmission Lines/Distribution System	CUH10101	911,607	0	0	0	0	0	0	0	0	0	0	54	0	0	0	
55	O'Shaughnessy Dam to Moccasin		0	2,266,000	666,000	400,000	400,000	400,000	400,000	400,000	666,000	666,000	666,000	55	6,930,000	5,330,000	(1,600,000)	
56	Moccasin to Warmerville		0	2,266,000	666,000	400,000	400,000	400,000	400,000	400,000	666,000	666,000	666,000	56	6,930,000	5,330,000	(1,600,000)	
57	Warmerville to San Francisco		0	2,266,000	666,000	400,000	400,000	400,000	400,000	400,000	666,000	666,000	666,000	57	6,930,000	5,330,000	(1,600,000)	
58	Other Powerhouse Projects	CUH10102	1,262,683	2,000,000	1,050,000	500,000	500,000	500,000	1,000,000	0	0	0	0	58	5,550,000	3,550,000	(2,000,000)	
59	Powerhouse Control Upgrade	CUH10103	1,568,509	1,000,000	1,000,000	250,000	250,000	250,000	250,000	250,000	250,000	1,000,000	250,000	59	4,750,000	4,000,000	(750,000)	
60	Switchyard/Substations Rehabilitation	CUH10104	94,253	9,000,000	9,000,000	7,000,000	0	0	0	0	0	0	3,000,000	60	25,000,000	19,000,000	(6,000,000)	
61	Oil Containments Upgrade	CUH10105	996,291	3,000,000	3,000,000	0	0	0	0	0	0	0	0	61	6,000,000	3,000,000	(3,000,000)	
62	Cherry Reservoir Pumps	CUH10106	2,423,206	0	0	1,725,000	5,000,000	2,775,000	0	0	0	0	0	62	9,500,000	9,500,000	0	
63	Step-up Transformers	CUH10108	333,592	0	0	0	0	0	0	0	0	0	3,000,000	63	0	3,000,000	3,000,000	
64	Moccasin Low Head Rehabilitation Project	CUH10109	141,111	0	0	0	0	0	0	0	0	0	5,000,000	64	0	5,000,000	5,000,000	
65	Moccasin GSU Transformers & Oil Containment	CUH10111	24,895	3,500,000	3,250,000	1,245,000	0	0	0	0	0	0	0	65	7,995,000	4,495,000	(3,500,000)	
66	Kirkwood Powerhouse Refurbishment & TSOV Replacement	CUH10112	90,000	3,150,000	7,260,													

Fiscal Year 2015-16 through 2024-25 10-Year Capital Plan

February 10, 2015

Frances Lee

**Interim Assistant General Manager, Business
Services and Chief Financial Officer**

10-Year Capital Plan Summary

	Fiscal Year 2015-24 Adopted	Fiscal Year 2016-25 Requested	Change
Water	1,093,229,000	1,213,664,000	120,435,000
AWSS	195,928,000	110,000,000	(85,928,000)
Wastewater	5,547,358,000	5,713,380,000	166,022,000
Hetch Hetchy	1,242,390,000	1,199,284,800	(43,105,200)
SFPUC Total	8,078,905,000	8,236,328,800	157,423,800



Calaveras Dam



Oceanside Plant



Moccasin

Summary of Key Changes 10-Year Capital Program

- 💧 Regional Water ↑ \$215.2M
 - 💧 Local Water ↓ \$27.6M
 - 💧 WSIP Augmentation ↓ \$67.2M
- ↑ \$120.4M
- 💧 AWSS ↓ \$85.9M

💧 = Water

🔄 = Wastewater

⚡ = Hetch Hetchy

- 🔄 SSIP ↑ \$145.5M
 - 🔄 Renewal and Replacement ↑ \$30.2M
 - 🔄 Wastewater Facilities & Infrastructure ↓ \$9.7M
 - 🔄 Ocean Beach Protection, Southeast Community Center Improvements
- ↑ \$166.0M

- ⚡ Hetchy Power ↓ \$12.9M
 - ⚡ Water Infrastructure ↓ \$10.5M
 - ⚡ Power Infrastructure ↓ \$24.3M
 - ⚡ Joint Projects ↑ \$4.6M
- ↓ \$43.1M

Water Key Changes

↑ \$120.4M

- ◆ **Regional Water** ↑215.2M
 - Regional Desalinization ↑219.8M
 - Others ↓4.6M
- ◆ **Local Water** ↓27.6M
 - Pacific Rod & Gun Club (FY 2014-15) ↓ 11.1M
 - Local Water Conveyance ↓13.0M
 - Others ↓3.5M
- ◆ **WSIP Augmentation** ↓ 67.2M
 - Calaveras Dam ↓50.0M
 - New Irvington Tunnel ↓10.0M
 - Others ↓7.2M



AWSS Key Changes (↓ \$85.9M)

💧 Auxiliary Water Supply System (AWSS) ↓ 85.9M

The Earthquake Safety and Emergency Response (ESER)

ESER1 Bond ↓ 35.9M

ESER2 Bond ↓ 50.0M



Wastewater Key Changes

↑ \$166.0M

SSIP ↑ 145.5M

Program Management ↓ 10.0M

Sewer/Collection System ↑ 168.3M

Storm Water Management ↓ 12.5M

Treatment Facilities ↓ 0.3M

Renewal and Replacement ↑ 30.2M

Collection System ↑ 22.4M

Treatment Facilities ↑ 7.8M

Wastewater Facilities & Infrastructure ↓ 9.7M

Ocean Beach Protection ↓ 2.7M

Southeast Community Center Improvements ↓ 7.0M



Hetch Hetchy Key Changes (↓ \$43.1M)

Hetchy Power	↓ 12.9M
Hetchy Water (Up-Country)	↓ 30.2M
TOTAL HETCHY	↓ <u><u>\$43.1M</u></u>



Hetchy Power Key Changes (↓\$12.9M)

⚡ Hetchy Power ↓12.9M

Streetlights ↓3.9M

Transmission / Distribution ↓1.0M

Renewable / Generation ↓5.0M

Redevelopment ↓3.0M

Hetchy Water Up-Country Key Changes (↓ \$30.2M)

⚡ Water Infrastructure ↓ 10.5M

Cherry Aqueduct ↓ 18.1M

Others ↑ 7.6M

⚡ Power Infrastructure ↓ 24.3M

Turbine Rehabilitation ↑ 20.0M

Moccasin Penstock ↓ 21.0M

Others ↓ 23.3M

⚡ Joint Projects ↑ 4.6M

Dam Condition Assessment & Repair ↑ 9.5M

Hetchy Facilities Moccasin ↑ 8.0M

Others ↓ 12.9M

Questions