

San Francisco
**Water
Power
Sewer**

San Francisco Public Utilities Commission

10-Year Capital Plan Update FY 2019–20 through 2028–29

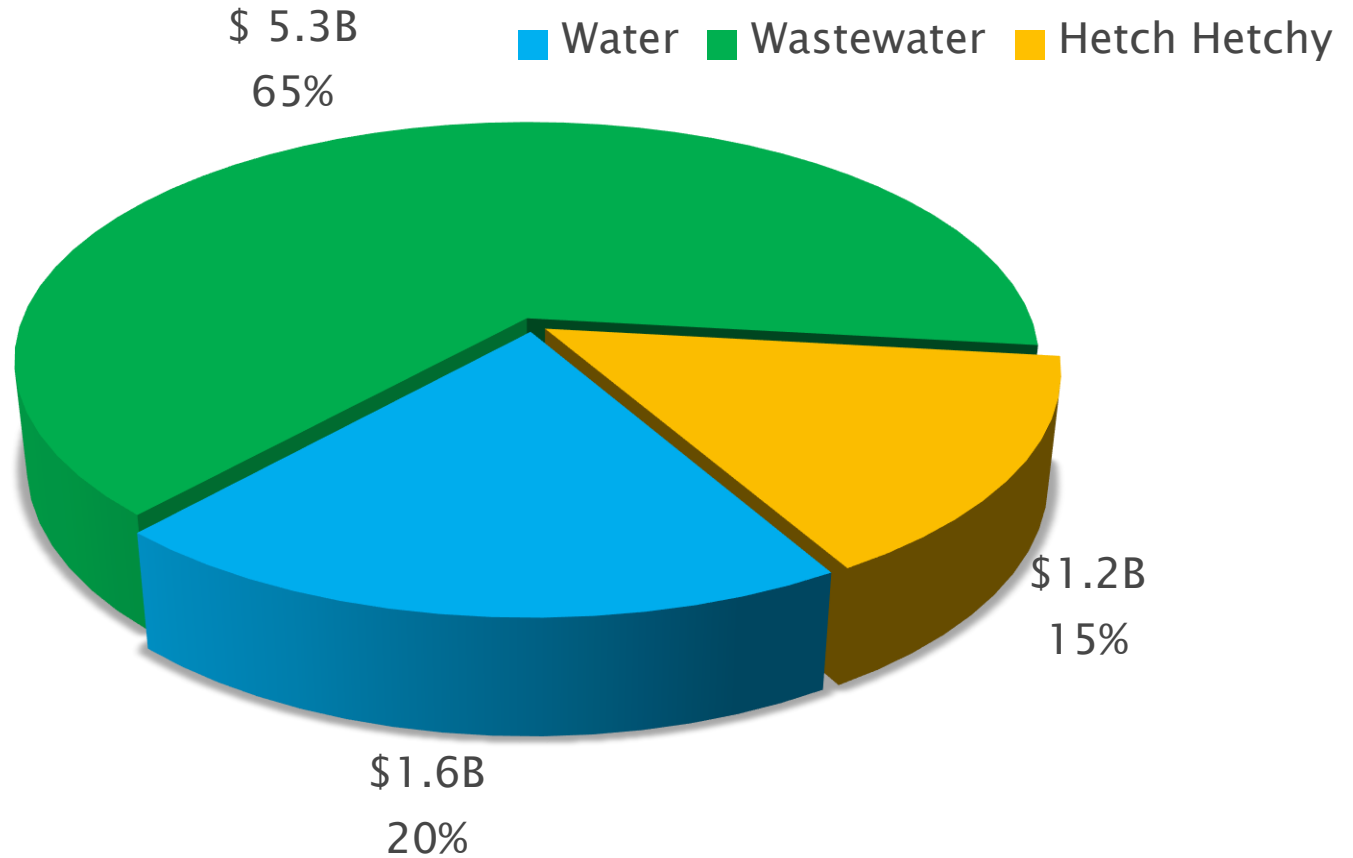
January 28th, 2019

10-Year Capital Plan Development

- San Francisco Charter Section 8B.123 requires the SFPUC hold public hearings on an annual basis to review, update and adopt a Long-Term Capital Plan.
- As the guiding document for SFPUCs' infrastructure investments, the Capital Plan provides an assessment of the SFPUC's capital needs, the investments required to meet those needs, and a plan to finance them.
- The Commission last approved the 10-Year Capital Plan update as part of the FY 2018-19 and FY 2019-20 two-year budget in February 2018.
- This update includes only critical capital changes that have been determined since the last biennial budget process concluded in February 2018.
- The SFPUC will next complete a comprehensive review of capital needs in the Fall of 2019.

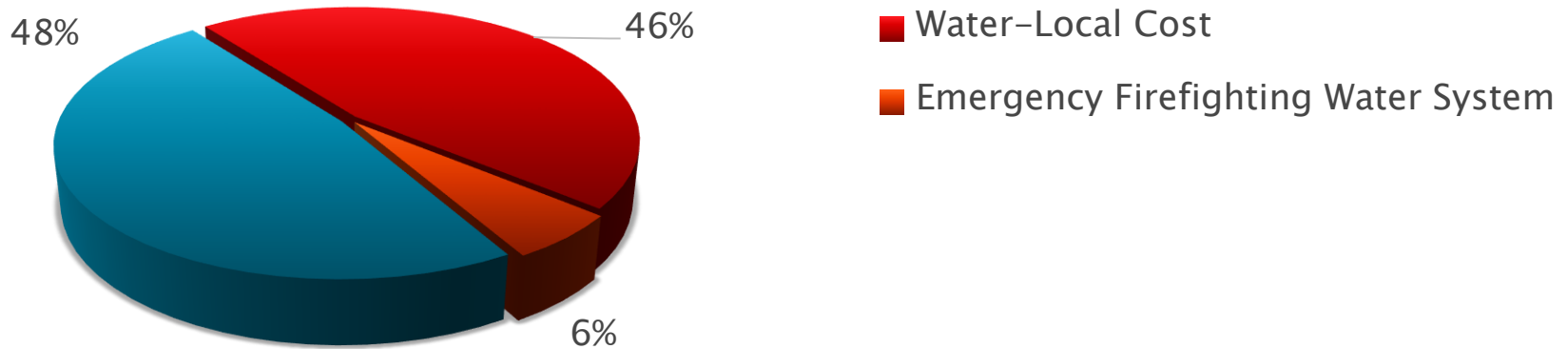


Proposed 10-Year Capital Plan \$8.1 Billion

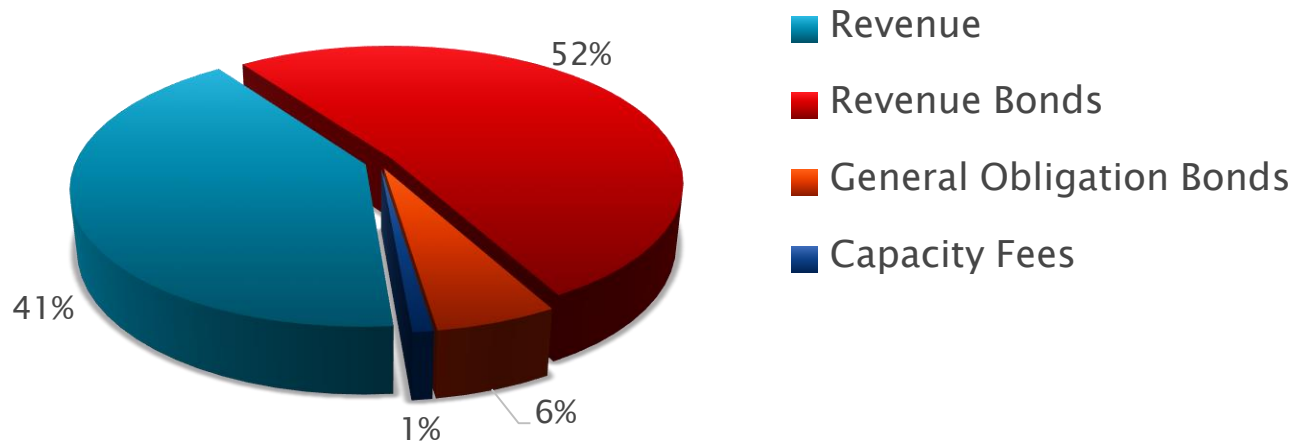


FY 2020-29 Water Enterprise 10-Year Capital Plan \$1.6 Billion

Spending Plan



Revenues



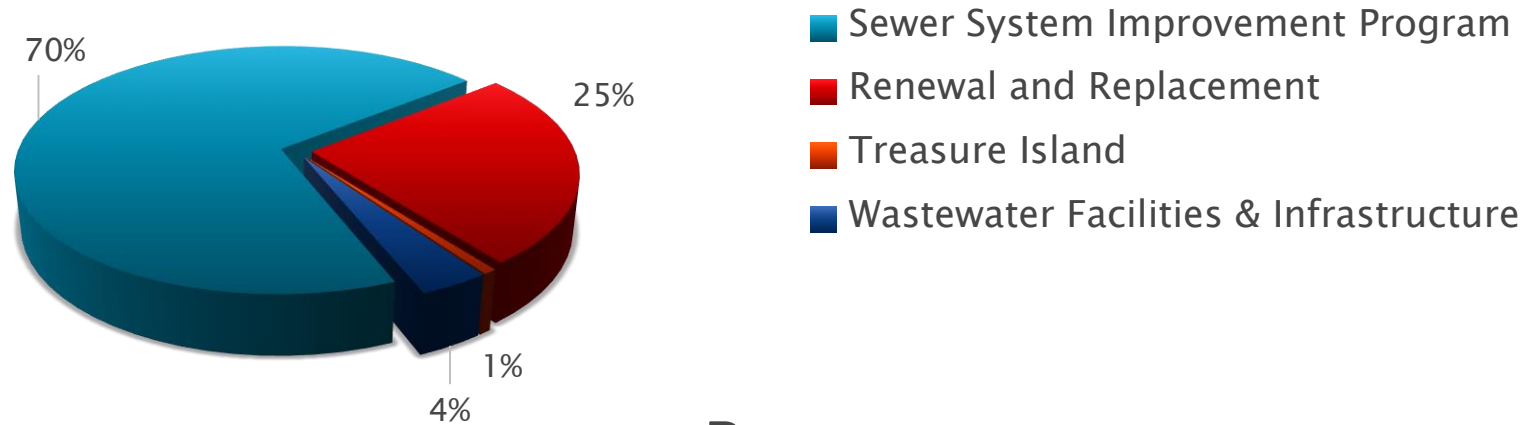


Water Enterprise 10-Year Capital Plan

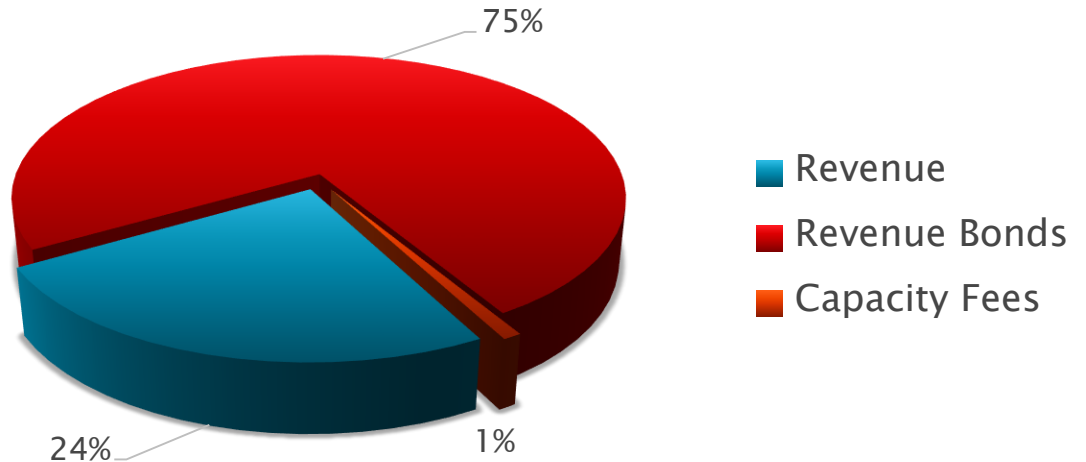
SFPUC: Water Enterprise							
Program / Project (\$ Thousands)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025 - 2029	Plan Total
SPENDING PLAN							
Regional Costs							
Water Treatment Program	14,533	105,538	2,014	1,914	1,928	10,198	136,125
Water Transmission Program	45,055	42,345	11,640	12,440	32,256	146,125	289,861
Water Supply & Storage Program	25,050	20,032	40,080	41,530	25,255	68,522	220,469
Watersheds & Land Management	12,521	5,119	4,924	4,457	4,374	13,183	44,578
Communication & Monitoring Program	500	500	500	500	515	8,585	11,100
Buildings And Grounds Programs	33,545	8,104	2,713	2,737	2,713	11,275	61,087
WSIP Augmentation - Regional	-	-	-	-	-	-	-
Regional Subtotal	131,204	181,638	61,871	63,578	67,041	257,888	763,220
Local Costs							
Local Water Conveyance/Distribution System	68,177	68,095	68,920	70,412	60,000	324,965	660,569
Buildings & Grounds Improvements - Local	200	1,000	13,000	26,000	-	-	40,200
Systems Monitoring & Control	209	218	228	238	249	1,426	2,568
Local Tanks/Reservoir Improvements	3,175	2,300	200	-	-	-	5,675
Local Water Supply Projects	5,500	-	-	-	-	-	5,500
Pump Station improvements	2,250	17,500	600	-	-	-	20,350
Recycled Water Projects	500	700	-	-	-	-	1,200
Emergency Firefighting Water System	-	50,000	40,000	-	-	-	90,000
Local Subtotal	80,011	139,813	122,948	96,650	60,249	326,391	826,062
TOTAL	211,215	321,451	184,819	160,228	127,290	584,279	1,589,282
REVENUES							
Revenue	57,304	47,055	47,584	62,909	63,667	380,954	659,473
Water Revenue Bonds	152,400	222,842	95,715	95,799	62,103	195,417	824,276
General Obligation Bonds - ESER 2020 & Beyond	-	50,000	40,000	-	-	-	90,000
Capacity Fees	1,511	1,554	1,520	1,520	1,520	7,908	15,533
TOTAL	211,215	321,451	184,819	160,228	127,290	584,279	1,589,282
<i>Total San Francisco Jobs/Year</i>	<i>1,764</i>	<i>2,684</i>	<i>1,543</i>	<i>1,338</i>	<i>1,063</i>	<i>4,879</i>	<i>13,271</i>

FY 2020-29 Wastewater Enterprise 10-Year Capital Plan \$5.3 Billion

Spending Plan



Revenues





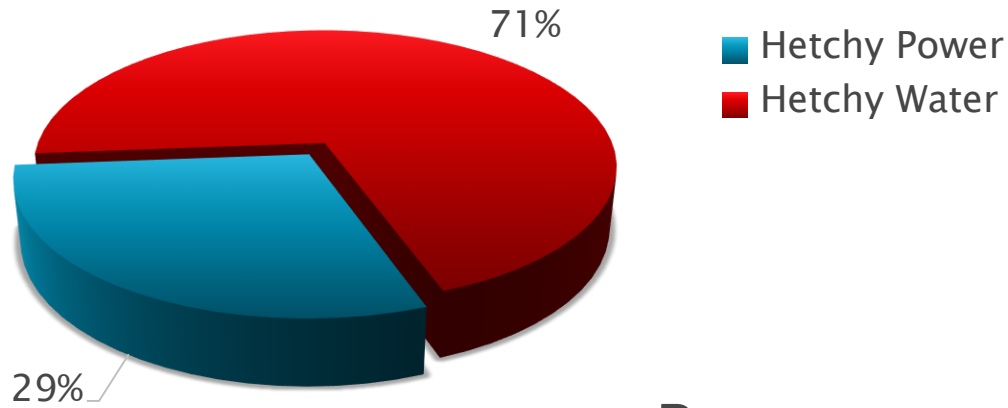
Wastewater Enterprise 10-Year Capital Plan

SFPUC: Wastewater Enterprise							
Program / Project (\$ Thousands)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025 - 2029	Plan Total
SPENDING PLAN							
Sewer System Improvement Program							
Program Wide Management	16,590	16,500	16,500	12,500	11,500	57,053	130,643
Treatment Facilities	169,109	365,055	346,460	291,874	63,240	384,720	1,620,458
Sewer/Collection System	69,285	323,068	395,717	293,436	32,202	157,740	1,271,448
Stormwater Management/Flood Control	40,456	187,631	47,853	98,782	168,077	161,439	704,238
SSIP Subtotal	295,440	892,254	806,530	696,592	275,019	760,952	3,726,787
Renewal & Replacement							
Collection System - Salt Water Intrusion	1,219	1,262	1,306	1,351	1,399	2,948	9,485
Collection System - Sewer Improvements	64,790	67,382	70,077	73,582	77,260	448,256	801,347
Collection System - Condition Assessment	3,563	3,685	3,809	3,942	4,080	22,855	41,934
Collection System - Spot Sewer	23,757	24,708	14,280	14,994	15,744	91,348	184,831
Treatment Plant Improvements	24,150	25,357	26,625	27,957	29,354	170,312	303,755
Renewal & Replacement Subtotal	117,479	122,394	116,097	121,826	127,837	735,719	1,341,352
Treasure Island	23,957	13,000	-	-	-	-	36,957
Wastewater Facilities & Infrastructure							
Ocean Beach Protection	5,381	2,987	95,568	4,299	-	-	108,235
Southeast Community Center Improvements	3,500	3,500	-	-	-	-	7,000
SWOO Condition Assessment & Rehab	-	914	951	10,989	1,089	16,888	30,831
Southeast Community Center Improvements	1,098	11,142	1,188	1,236	15,124	2,930	32,718
Islais Creek Outfall	15,000	-	-	-	-	-	15,000
Wastewater Facilities & Infrastructure Subtotal	24,979	18,543	97,707	16,524	16,213	19,818	193,784
TOTAL	461,855	1,046,191	1,020,334	834,942	419,069	1,516,489	5,298,880
REVENUES							
Revenue	112,979	117,894	111,597	117,326	123,337	713,219	1,296,352
Revenue Bonds	344,376	923,797	904,237	713,116	291,232	780,770	3,957,528
Capacity Fees	4,500	4,500	4,500	4,500	4,500	22,500	45,000
TOTAL	461,855	1,046,191	1,020,334	834,942	419,069	1,516,489	5,298,880
Total San Francisco Jobs/Year	3,856	8,736	8,520	6,972	3,499	12,663	44,246

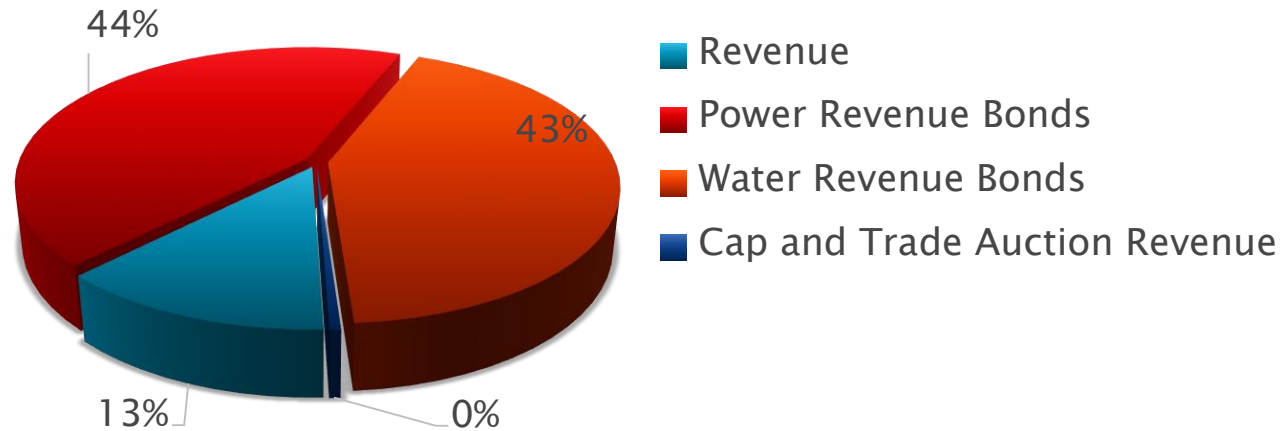


FY 2020–29 Hetchy/Water & Power 10–Year Capital Plan \$1.2 Billion

Spending Plan



Revenues





Hetchy/Water & Power 10-Year Capital Plan

SFPUC: Hetch Hetchy Water and Power							
Program / Project (\$ Thousands)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025 - 2029	Plan Total
SPENDING PLAN							
Hetchy Power							
Streetlights	6,010	5,510	5,510	4,010	4,010	20,050	45,100
Renewable/Generation	1,000	1,000	1,000	1,000	1,000	5,000	10,000
Energy Efficiency	1,000	1,000	1,000	1,000	1,000	5,000	10,000
Redevelopment	9,521	10,149	9,899	7,049	8,299	16,611	61,528
Transmission/Distribution	65,500	33,583	14,583	14,583	14,583	90,716	233,548
Hetchy Power Subtotal	83,031	51,242	31,992	27,642	28,892	137,377	360,176
Hetchy Water							
Water Infrastructure	49,264	44,342	101,877	63,694	36,437	57,785	353,399
Power Infrastructure	11,782	57,614	26,163	4,482	4,638	25,697	130,376
Joint Projects - Water Infrastructure (45%)	23,499	20,290	17,936	20,297	14,025	76,631	172,678
Joint Projects - Power Infrastructure (55%)	28,722	24,798	21,920	24,807	17,142	93,661	211,050
Hetchy Water Subtotal	113,267	147,044	167,896	113,280	72,242	253,774	867,503
TOTAL	196,298	198,286	199,888	140,922	101,134	391,151	1,227,679
REVENUES							
Revenue	16,960	17,006	16,971	15,435	16,649	76,302	159,323
Power Bonds	105,575	116,195	62,616	40,971	33,462	176,935	535,754
Water Bonds	72,763	64,631	119,812	93,991	50,462	134,416	536,075
Cap and Trade Auction Revenue	1,000	454	489	525	561	3,498	6,527
TOTAL	196,298	198,286	199,888	150,922	101,134	391,151	1,237,679
Total San Francisco Jobs/Year	1,639	1,656	1,669	1,177	844	3,266	10,251



Questions?

Thank you!