

## Water Enterprise Summary - Uses/Sources

FY 2018-19

FY 2019-20

### USES

#### REGIONAL WATER

##### Water Treatment Program

Tesla UV Facility	1,272,000	1,272,000
SVWTP & East Bay Fields	3,033,000	3,550,000
HTWTP & West Bay Fields	2,214,000	1,221,000
NEW - SVWTP Ozone	4,000,000	8,000,000
NEW - SVWTP Power Activated Carbon Units	4,745,000	440,000
NEW - Reg. GW Storage and Recovery Project (Post WSIP)	50,000	50,000
<b>Subtotal</b>	<b>15,314,000</b>	<b>14,533,000</b>

##### Water Transmission Program

Corrosion Protection Capital Upgrades	2,750,000	4,060,000
Pipeline Inspection and Repair Project	3,460,000	2,120,000
Pump Station Upgrades	1,180,000	3,680,000
Pipeline Improvement Program	22,250,000	900,000
CS2 in Hillsborough Improvements (Reaches 2 & 3)	1,750,000	27,120,000
Valve Replacement	7,700,000	6,300,000
Vault Upgrades	675,000	675,000
Metering Upgrades	200,000	200,000
<b>Subtotal</b>	<b>39,965,000</b>	<b>45,055,000</b>

##### Water Supply and Storage Program

Dam Structural Upgrades (w/ geotech)	3,800,000	2,300,000
Purified Water & Other Supplies	2,600,000	1,000,000
San Andreas Dam Facility Improvement	2,100,000	3,300,000
Turner Dam and Reservoir Improvements	450,000	450,000
Merced Manor Reservoir Facilities Repairs	6,432,000	-
<b>Subtotal</b>	<b>15,382,000</b>	<b>7,050,000</b>

##### Communication and Monitoring Program

Microwave Backbone Upgrade	450,000	-
WST Security System	500,000	500,000
<b>Subtotal</b>	<b>950,000</b>	<b>500,000</b>

##### Watersheds and Land Management

Bay Area Watershed and ROW Protection Program	1,000,000	1,000,000
NEW - Long Term Monitoring & Permit Program	10,076,000	11,521,000
<b>Subtotal</b>	<b>11,076,000</b>	<b>12,521,000</b>

##### Buildings and Grounds Program

Sunol Yard Upgrade	286,000	295,000
Millbrae Yard Upgrade	1,500,000	1,500,000
Sunol Long Term (Watershed Center)	28,750,000	2,500,000
Buildings & Grounds All Locations	1,500,000	1,500,000
Millbrae Long Term	2,700,000	27,000,000
Rollins Road Building	850,000	750,000
<b>Subtotal</b>	<b>35,586,000</b>	<b>33,545,000</b>

## Water Enterprise Summary - Uses/Sources

	FY 2018-19	FY 2019-20
<b>Base Funded by WSIP</b>		
Regional Groundwater Storage and Recovery ( WSIP)	7,000,000	-
Alameda Creek Recapture (WSIP)	3,000,000	-
Alameda Creek Diversion Dam (WSIP)	5,000,000	-
Calaveras Dam (WSIP)	34,000,000	-
WSIP Closeout - Bay Division	2,000,000	-
WSIP Closeout - Peninsula (WSIP)	7,000,000	-
WSIP Closeout - San Joaquin Region	2,000,000	-
Joint Infrastructure	2,000,000	-
<b>Subtotal</b>	<b>62,000,000</b>	-
<b>REGIONAL WATER TOTAL</b>		
	<b>180,273,000</b>	<b>113,204,000</b>
 <b>Local Water</b>		
Local Water Conveyance / Distribution System	56,100,000	56,100,000
Sunset Pipeline - Potable AWSS	2,000,000	10,000,000
Automated Water Meter Program	1,800,000	-
520 John Muir Drive - Site Rehabilitation	2,441,000	-
Systems Monitoring & Control	200,000	209,000
Local Tanks/Reservoir Improvements	10,100,000	3,000,000
Pump Station Improvements	932,000	2,250,000
SF Westside Recycled Water (Non WSIP)	6,500,000	500,000
Buildings and Grounds Improvements - Local	260,000	200,000
NEW - New Service Connection Improvement Program	968,000	1,377,000
NEW - Town of Sunol Pipeline	2,700,000	700,000
NEW - Lombard Geotechnical Improvements	75,000	175,000
<b>LOCAL WATER TOTAL</b>	<b>84,076,000</b>	<b>74,511,000</b>
<b>TOTAL USES - PROJECT</b>		
	<b>264,349,000</b>	<b>187,715,000</b>
 <b>Financing Costs</b>		
	27,831,424	19,200,000
 <b>TOTAL SUPPLEMENTAL APPROPRIATION</b>		
	<b>292,180,424</b>	<b>206,915,000</b>
 <b><u>SOURCES</u></b>		
Revenue	51,804,000	51,804,000
Revenue Bonds (Including Financing Costs)	222,651,393	153,600,000
Revenue Bonds - Re-appropriation	15,958,031	-
Capacity Fee	1,767,000	1,511,000
<b>TOTAL SOURCES</b>	<b>292,180,424</b>	<b>206,915,000</b>
 <i>Surplus / (Shortfall)</i>		
	-	-

## Wastewater Enterprise Summary - Uses/Sources

	FY 2018-19	FY 2019-20
<b>USES</b>		
<b>SSIP</b>		
<b>Sewer System Improvement Program</b>		
SSIP Program Wide	16,500,000	16,590,000
Land Reuse	483,000	-
<b>Subtotal</b>	<b>16,983,000</b>	<b>16,590,000</b>
<b>Treatment Facilities</b>		
Biosolids/Digester Project	181,201,650	-
Southeast Plant - New 250 MGD Grit Improvements	90,133,139	92,204,646
Southeast Plant	45,168,983	20,267,522
North Point Facility	7,350,097	8,416,672
Oceanside Plant	17,345,380	48,219,969
<b>Subtotal</b>	<b>341,199,249</b>	<b>169,108,809</b>
<b>Sewer/Collection System</b>		
Central Bayside System Improvements	-	20,350,000
Collection System - Interceptors/Tunnels/Odor Control	10,533,611	24,669,310
Transport/Storage & Combined Sewers	3,012,118	2,698,199
Pump Stations / Force Main Improvements	15,926,996	21,567,369
<b>Subtotal</b>	<b>29,472,725</b>	<b>69,284,878</b>
<b>Stormwater Management/Flood Control</b>		
Drainage Basin / Early Implementation Projects	2,216,255	-
Green Infrastructure Projects	21,317,718	4,693,772
GI for Stormwater Management (Grant)	3,000,000	5,000,000
Flood Resilience	18,843,401	30,762,194
<b>Subtotal</b>	<b>45,377,374</b>	<b>40,455,966</b>
<b>SSIP TOTAL</b>	<b>433,032,348</b>	<b>295,439,653</b>
<b>WWE Non-SSIP</b>		
<b>Renewal and Replacement</b>		
Collection System - Salt Water Intrusion	1,179,000	1,219,000
Collection System - Sewer Improvements	62,299,000	64,790,000
Collection System - Condition Assessment	3,443,000	3,563,000
Collection System - Spot Sewer	22,844,000	23,757,000
Treatment Plant Improvements	23,000,000	24,150,000
<b>Subtotal</b>	<b>112,765,000</b>	<b>117,479,000</b>
<b>Treasure Island</b>		
New Wastewater Treatment Facility	6,373,000	23,957,000
<b>Subtotal</b>	<b>6,373,000</b>	<b>23,957,000</b>
<b>Wastewater Facilities &amp; Infrastructure</b>		
Ocean Beach Protection	8,149,557	5,381,319
Southeast Community Center Improvements	66,000,000	3,500,000
Southeast Outfall Condition Assessment & Rehab	1,056,277	1,098,528
Islais Creek Crossing	5,000,000	15,000,000
<b>Subtotal</b>	<b>80,205,834</b>	<b>24,979,847</b>
<b>WWE Non-SSIP TOTAL</b>	<b>199,343,834</b>	<b>166,415,847</b>
<b>TOTAL USES - PROJECT</b>	<b>632,376,182</b>	<b>461,855,500</b>
<b>Financing Costs</b>	74,230,169	49,196,643
<b>TOTAL SUPPLEMENTAL APPROPRIATION</b>	<b>706,606,351</b>	<b>511,052,143</b>
<b>SOURCES</b>		
Revenue	106,765,000	112,979,000
Revenue Bonds (Including Financing Costs)	593,841,351	393,573,143
Capacity Fee	6,000,000	4,500,000
<b>TOTAL SOURCES</b>	<b>706,606,351</b>	<b>511,052,143</b>
<i>Surplus / (Shortfall)</i>	-	-

## Hetch Hetchy Enterprise Summary - Uses/Sources

	FY 2018-19	FY 2019-20
<b>USES</b>		
<b>Hetch Hetchy Water</b>		
<b>Water Infrastructure</b>		
Water Conveyance (Water)	7,922,000	14,314,000
NEW - SJPL Valve and Safe Entry Improvement	3,575,000	2,691,000
NEW - Priest-Moccasin Water Transmission Line	-	5,600,000
NEW - Moccasin Reservoir Perimeter Security Fence	1,400,000	3,755,000
Water Infrastructure Project Development	460,000	474,000
<b>Subtotal</b>	<b>13,357,000</b>	<b>26,834,000</b>
<b>Power Infrastructure</b>		
NEW - Moccasin Penstock Condition Assessment	-	1,000,000
Powerhouse	1,000,000	1,039,000
NEW - Moccasin Powerhouse and GSU Rehabilitation	10,000,000	6,751,000
Switchyard & Substations	3,320,000	-
Transmission Lines	2,134,000	2,219,000
Power Infrastructure - Project Development	750,000	773,000
<b>Subtotal</b>	<b>17,204,000</b>	<b>11,782,000</b>
<b>Joint Infrastructure</b>		
Communications (Joint)	300,000	312,000
Dams & Reservoirs (Joint)	7,487,000	17,612,000
Mountain Tunnel	19,566,000	41,540,000
Roads & Bridges (Joint)	1,800,000	1,873,000
NEW - Bridge Replacement	2,584,000	9,342,000
Tunnels (Joint)	-	880,000
NEW - R&R Power Distribution Improvements	1,000,000	1,031,000
Joint Infrastructure Project Development	2,000,000	2,060,000
<b>Subtotal</b>	<b>34,737,000</b>	<b>74,650,000</b>
<b>HETCHY WATER TOTAL</b>	<b>65,298,000</b>	<b>113,266,000</b>
<b>Hetch Hetchy Power</b>		
<b>Streetlights</b>		
Various Streetlighting Replacements and Repairs	550,000	550,000
Various Streetlighting Area Improvements	1,000,000	1,000,000
High Voltage 5 KV Series Loop Conversion	1,500,000	1,500,000
Pedestrian Lighting Project	960,000	960,000
Holiday and Festivity Pole Use	200,000	200,000
Street and Pedestrian Light Pole Assessment	500,000	500,000
Streetlights Pole Rehabilitation	1,000,000	1,000,000
Distributed Antenna System	300,000	300,000
<b>Subtotal</b>	<b>6,010,000</b>	<b>6,010,000</b>
<b>Renewable and Generation</b>		
Renewable/Generation - Small Renewables	1,000,000	1,000,000
<b>Subtotal</b>	<b>1,000,000</b>	<b>1,000,000</b>

## Hetch Hetchy Enterprise Summary - Uses/Sources

	FY 2018-19	FY 2019-20
<b>Redevelopment</b>		
Underground 12 kV Distribution System in TI and YBI	1,894,844	1,707,065
HP Phase 2 - Alice Griffith/Candlestick Point	8,673,908	7,814,332
Transbay Transit Center	3,100,000	-
<b>Subtotal</b>	<b>13,668,752</b>	<b>9,521,397</b>
 <b>Transmission/Distribution</b>		
SFO Substation Improvements	2,070,000	8,550,000
Intervening Facilities	9,950,000	9,950,000
Bay Corridor Transmission Distribution (BCTD)	20,000,000	21,000,000
Distribution Interface - New Customers	7,800,000	7,000,000
<b>Subtotal</b>	<b>39,820,000</b>	<b>46,500,000</b>
 <b>Energy Efficiency</b>		
Energy Efficiency General Fund	1,000,000	1,000,000
<b>Subtotal</b>	<b>1,000,000</b>	<b>1,000,000</b>
<b>HETCHY POWER TOTAL</b>	<b>61,498,752</b>	<b>64,031,397</b>
<b>Total Uses - Projects</b>	<b>126,796,752</b>	<b>177,297,397</b>
 <b>Financing Costs</b>		
Water Bonds	4,141,236	8,632,357
Power Bonds	9,589,297	13,649,912
<b>Total</b>	<b>13,730,533</b>	<b>22,282,269</b>
<b>TOTAL SUPPLEMENTAL APPROPRIATION</b>	<b>140,527,285</b>	<b>199,579,666</b>
 <b><u>SOURCES</u></b>		
Revenue	42,468,752	38,521,397
Revenue Bonds - Water (Including Financing Costs)	33,129,886	69,058,857
Revenue Bonds - Power (Including Financing Costs)	63,928,647	90,999,412
Cap and Trade Auction Revenue	1,000,000	1,000,000
<b>TOTAL SOURCES</b>	<b>140,527,285</b>	<b>199,579,666</b>
<i>Surplus / (Shortfall)</i>	-	-