

**ENGINEERING REPORT**

**March 29, 2024**

To: PBCSD Board of Directors  
From: Chris Simmons, Associate Engineer  
Subject: 2024/25 Long-Term Capital Outlay Program



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**RECOMMENDATION**

**Approve the 2024/25 Long-Term Capital Outlay Program.**

**SUMMARY OF ISSUES**

The PBCSD 2024/25 Long-Term Capital Outlay Program (LTCOP) 15-year total cost is as follows:

<b>Department</b>	<b>FY 2024/25</b>	<b>FY 2023/24</b>	<b>Variance</b>
Administration	\$ 1,845,000	\$ 2,060,000	<b>-10%</b>
Fire	\$ 8,669,000	\$ 7,773,000	<b>12%</b>
Wastewater	\$ 25,556,000	\$ 27,476,000	<b>-7%</b>
CAWD	\$ 5,498,000	\$ 6,240,000	<b>-12%</b>
Undergrounding	\$ 39,100,000	\$ 30,000,000	<b>30%</b>
<b>PBCSD Total:</b>	<b>\$ 80,668,000</b>	<b>\$ 73,549,000</b>	<b>10%</b>
Reclamation	\$ 9,835,000	\$ 9,045,000	<b>9%</b>

PBCSD’s capital responsibilities include Administration, Fire, and Wastewater Departments; a one-third (1/3) share of the Carmel Area Wastewater District (CAWD) Treatment Plant costs, and costs associated with Undergrounding Overhead Utilities program. The anticipated total cost of PBCSD’s capital responsibilities amounts to \$80,668,000. The 2024/25 LTCOP projected capital costs have increased approximately 10% from the previous year’s total of \$73,549,000.

Administrative department capital costs decreased by 10% from the previous year, mainly attributed by removal of an annual allocation for improvements to the GIS/Information system development. Additional capital was allocated this fiscal year for the admin office remodel project.

Fire department capital costs increased by 12% from the previous year. Increased capital costs are largely attributed to adjusted/increased costs of equipment, and reduction of useful life and increased costs allocated for the drone program.

Wastewater Department capital costs have decreased 7% from previous year, mainly due to the completion of rehabilitation projects at Pump Stations P-1 & P-2 (Crocker Grove & Fanshell

Beach, respectively), the decrease of capital allocations for CCTV projects as staff plans to perform a portion of future CCTV in-house, and a number of recent FY 2023/24 purchases including portable generators, sewer line cleaning equipment, and maintenance vehicles.

CAWD's projected capital costs have decreased by 12% from the previous year, following the completion of an ongoing multiyear capital improvement project at the treatment plant.

Last year's LTCOP presented \$30 million allocated for Underground Overhead Utilities Project (UOU) distributed evenly across 15 years. In this year's plan undergrounding capital costs increased by 30% due to cost allocation to complete the remaining two phases (Phase IV and V) of the UOU within the next nine years, as well as an annual cost allocation of \$2.6 million across the last six years of the plan. With Phase III of the project completed in FY2023/24, the plan now reflects lower annual costs for planning and design followed by higher costs expected for construction of the Phase IV & V projects. Undergrounding projects beyond FY 2032/33 currently have an annual allocation of \$2.6 million, based on the 9-year allocation of \$23.5 million for Phase IV and V.

The anticipated total cost of Reclamation's capital responsibilities amounts to \$9,835,000; these costs will be reimbursed to the District by the Reclamation Project. Capital costs for the Reclamation department increased 9% from the previous year mainly attributed to adjusted costs and replacement intervals.

As departmental capital improvement projects develop over the next year, anticipated costs and schedules will be updated, and priorities revisited accordingly.

## **BACKGROUND**

Each spring, staff presents to the Board the LTCOP for the following fiscal year. The plan outlines PBCSD's capital improvement goals for the subsequent 15 years. Costs are based on current estimated prices and have not been escalated over the life of the plan. Capital items include procurement of new equipment and/or replacement/rehabilitation of assets and facilities. The schedules of capital outlays and cost estimates have been prepared in consultation with PBCSD Staff, Fire Department Staff, and CAWD Treatment Plant Staff.



# PEBBLE BEACH

## COMMUNITY SERVICES DISTRICT

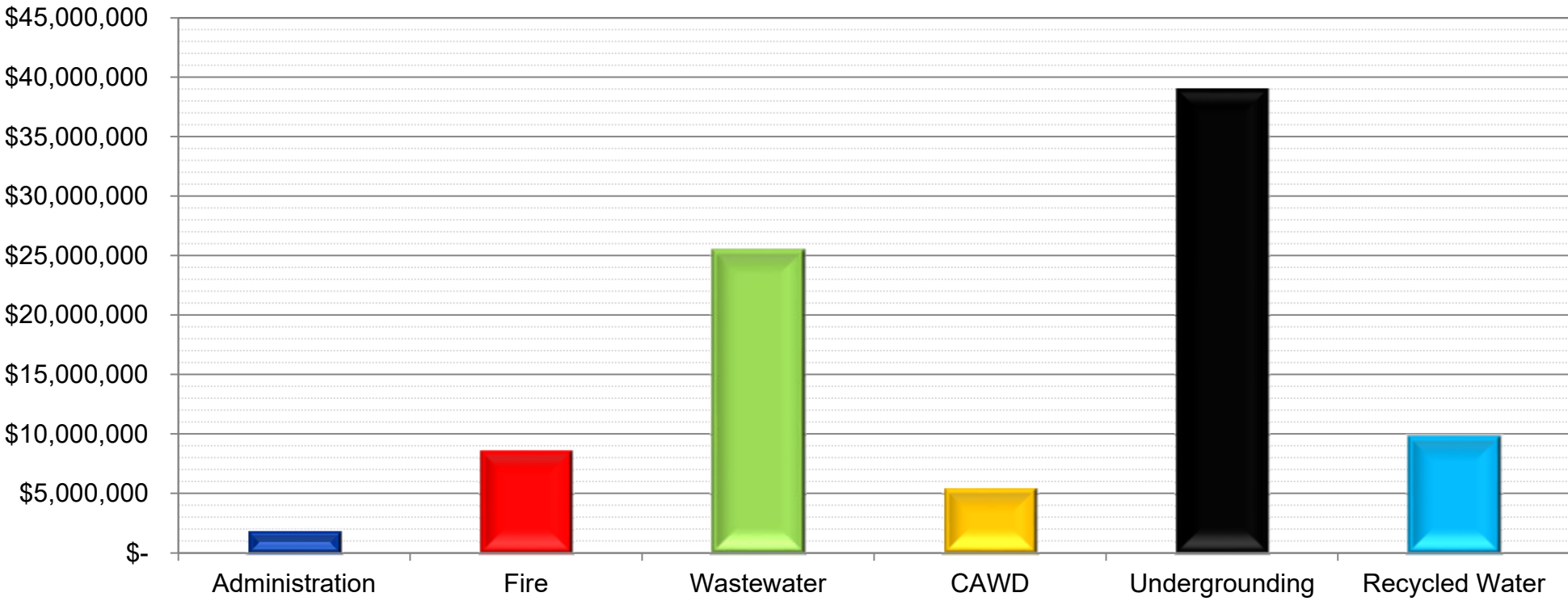
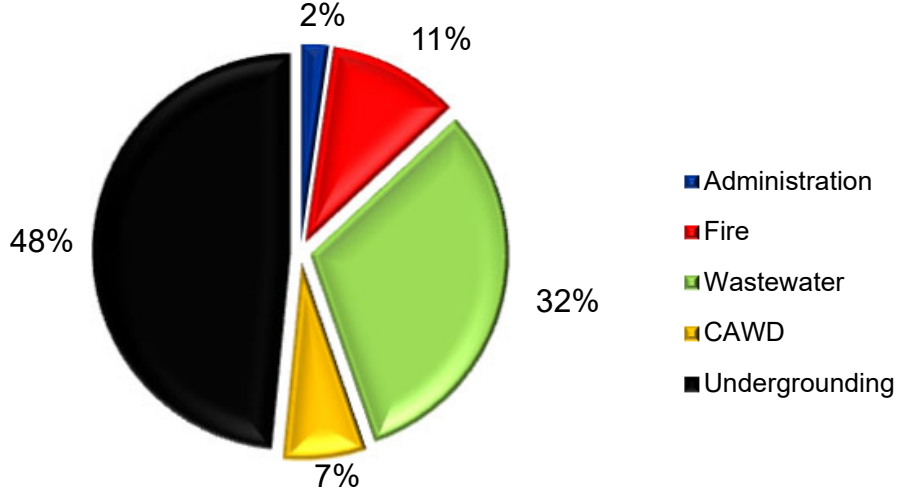
# FY 2024/25

## LONG-TERM CAPITAL OUTLAY PROGRAM

MARCH 29, 2024

# COST SUMMARY BY DEPARTMENT

## 2024/25 LONG-TERM CAPITAL OUTLAY PROGRAM



**15yr SUMMARY**  
**2024/25 LONG-TERM CAPITAL OUTLAY PROGRAM**

FISCAL YEAR	Exhibit A Administration	Exhibit B Fire	Exhibit C Wastewater	Exhibit D CAWD	Exhibit E Undergrounding	FISCAL YEAR TOTAL	Exhibit F Recycled Water
2024/25	\$ 590,000	\$ 2,030,000	\$ 2,270,000	\$ 196,000	\$ 500,000	\$ 5,586,000	\$ 415,000
2025/26	\$ 45,000	\$ 40,000	\$ 4,310,000	\$ 383,000	\$ 2,500,000	\$ 7,278,000	\$ 530,000
2026/27	\$ 300,000	\$ 345,000	\$ 1,275,000	\$ 617,000	\$ 2,500,000	\$ 5,037,000	\$ 405,000
2027/28	\$ 110,000	\$ 1,326,000	\$ 2,490,000	\$ 673,000	\$ 5,000,000	\$ 9,599,000	\$ 175,000
2028/29	\$ 25,000	\$ 249,000	\$ 1,297,000	\$ 427,000	\$ 5,000,000	\$ 6,998,000	\$ 340,000
2029/30	\$ 25,000	\$ 315,000	\$ 1,155,000	\$ 237,000	\$ 500,000	\$ 2,232,000	\$ 145,000
2030/31	\$ 65,000	\$ 155,000	\$ 1,755,000	\$ 403,000	\$ 2,000,000	\$ 4,378,000	\$ 25,000
2031/32	\$ 130,000	\$ 682,000	\$ 1,220,000	\$ 570,000	\$ 4,000,000	\$ 6,602,000	\$ 200,000
2032/33	\$ 50,000	\$ 757,000	\$ 1,372,000	\$ 237,000	\$ 1,500,000	\$ 3,916,000	\$ 245,000
2033/34	\$ 55,000	\$ 225,000	\$ 1,805,000	\$ 237,000	\$ 2,600,000	\$ 4,922,000	\$ 60,000
2034/35	\$ 110,000	\$ 1,851,000	\$ 1,055,000	\$ 570,000	\$ 2,600,000	\$ 6,186,000	\$ 1,765,000
2035/36	\$ 100,000	\$ 38,000	\$ 1,575,000	\$ 237,000	\$ 2,600,000	\$ 4,550,000	\$ 65,000
2036/37	\$ 215,000	\$ 290,000	\$ 1,087,000	\$ 237,000	\$ 2,600,000	\$ 4,429,000	\$ 5,125,000
2037/38	\$ 25,000	\$ 227,000	\$ 1,320,000	\$ 237,000	\$ 2,600,000	\$ 4,409,000	\$ -
2038/39	\$ -	\$ 139,000	\$ 1,570,000	\$ 237,000	\$ 2,600,000	\$ 4,546,000	\$ 340,000
<b>DEPT TOTAL</b>	<b>\$ 1,845,000</b>	<b>\$ 8,669,000</b>	<b>\$ 25,556,000</b>	<b>\$ 5,498,000</b>	<b>\$ 39,100,000</b>	<b>\$ 80,668,000</b>	<b>\$ 9,835,000</b>

2023/24 TOTAL    \$ 2,060,000    \$ 7,773,000    \$ 27,476,000    \$ 6,240,000    \$ 30,000,000    \$ 73,549,000    \$ 9,045,000

DIFFERENCE    -10.4%    11.5%    -7.0%    -11.9%    30.3%    9.7%    8.7%

**EXHIBIT A  
Administration Department Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM	USEFUL LIFE	ROLL OVER	FISCAL YEAR COSTS (1,000)															
				24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39	
FACILITIES	1 Admin Office Remodel	One-Time	\$500	\$500															
	2 Parking Lot Pavement	15 years	\$175	\$25															
	3 Furnaces (4)	10 years													\$20				
	4 Board Room Furniture	12 years													\$50				
	5 Board Room Sound System/Microphones (replaced in 2021)	10 years										\$20							
	6 Paint Building Exterior (Admin. & Fire)	10 years											\$50						
	7 Fire Alarm System Replacement	10 years			\$20											\$20			
	8 Carpeting	12 years															\$50		
	9 Training Room Furniture	12 years													\$15				
	10 Admin Office Furniture	12 years															\$100		
	11 Replace Building Generator (80kW_Replaced in 2019)	20 years																	
	12 Roof Replacement (Admin. & Fire)	30 years				\$300													
COMPUTERS & COMM.	13 Network Servers (2): File/Email Server Document Management Server	4 years		\$25					\$25				\$25				\$25		
	14 Network Servers (2): InfoSys/GIS Server Backup/Security Server	4 years					\$25				\$25				\$25				
	15 Workstation/Laptop Computers (12) + Install	4 years					\$55				\$55				\$55				
	16 Telephone & Voicemail System (Replaced 2021)	10 years									\$30								
MISC.	17 Board Room Presentation System	6 years		\$40						\$40							\$40		
	18 Training Room Presentation System	6 years		\$25						\$25							\$25		
	19 Network Combination Copier/Printer/Scanner	6 years						\$25						\$25					
	20 Traffic Monitoring Radar Units (4) (Replaced in 2021-22)	6 years					\$30						\$30						
<b>TOTAL FISCAL YEAR COST (1,000)</b>				\$590	\$45	\$300	\$110	\$25	\$25	\$65	\$130	\$50	\$55	\$110	\$100	\$215	\$25	\$0	

\$1,845,000

**EXHIBIT A**  
**Administration Department Capital Outlay Plan**

<b>ITEM NO.</b>	<b>CAPITAL ITEM</b>
1	<b><u>Admin Office Remodel</u></b> Remodel Front Office to add cubicles. Remodel includes the following: New furnaces / ventilation (HEPA) improvements / Replace carpet / Replace window coverings / Replace File Storage SpaceSaver & Office, Training Room, and Board Room Furniture
2	<b><u>Parking Lot Pavement</u></b> Front office paving every 15 years.
3	<b><u>Furnaces (4)</u></b> Replace the four furnaces (Front Office/Board Room/Training Room/Back Offices & DMFC/DMFPO) that serve the administration offices every ten years.
4	<b><u>Board Room Furniture</u></b> Replace the Board Room desks and tables every twelve years.
5	<b><u>Board Room Sound System/Microphones</u></b> Replace the sound system and microphones in the Board Room every ten years.
6	<b><u>Paint Administration Building Exterior (Admin. &amp; Fire)</u></b> Paint exterior of administration & fire buildings every ten years.
7	<b><u>Fire Alarm System Replacement</u></b> The fire alarm system for the District Offices will be replaced every ten years.
8	<b><u>Carpeting</u></b> Replace the carpeting in the administration offices every twelve years.
9	<b><u>Training Room Furniture</u></b> Replace the Training Room tables every twelve years.
10	<b><u>Admin Office Furniture</u></b> Replace the ergonomic workstation furniture in admin offices (staff and management) every twelve years
11	<b><u>Replace Building Generator</u></b> Replace the 80 KW generator that provides emergency back-up power to the administration building complex every twenty years. The generator is fueled by natural gas and includes a back-up propane system. Last replaced 2019.
12	<b><u>Roof Replacement (Admin. &amp; Fire)</u></b> Replace the administration and fire building roof every thirty years.
13	<b><u>Network Servers (2): File/Email Server &amp; Document Management Server</u></b> Replace the File/Email Server & Document Management Server that serve the administration, fire and maintenance departments, which are planned to be upgraded every four years.
14	<b><u>Network Servers (2): InfoSys/GIS Server &amp; Backup/Security Server</u></b> Replace the InfoSys/GIS Server and the dedicated Backup/Security Server that serve the administration, fire and maintenance departments, which are planned to be upgraded every four years.
15	<b><u>Workstation/Laptop Computers</u></b> Replace and upgrade administration computer/laptop workstations every four years.
16	<b><u>Telephone &amp; Voicemail System</u></b> Upgrade/replace telephone and voicemail system every ten years.

**EXHIBIT A**  
**Administration Department Capital Outlay Plan**

<b>ITEM NO.</b>	<b>CAPITAL ITEM</b>
17	<b><u>Board Room Presentation System</u></b> Replace the Presentation System in the Board Room every six years, including video digital display unit, controllers and presentation console. The presentation console includes a computer and other equipment to connect to the District network.
18	<b><u>Training Room Presentation System</u></b> Replace the Presentation System in the Training Room every six years, including video digital display unit, controllers and presentation console. The presentation console includes a computer and other equipment to connect to the District network.
19	<b><u>Network Combination Copier/Printer/Scanner</u></b> Replace the primary network combination color copier/printer/scanner every six years. The replaced unit will serve as backup to the new unit.
20	<b><u>Traffic Monitoring Radar Units (4)</u></b> Replace four traffic monitoring radar units every six years.





**EXHIBIT B**  
**Fire Department Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM	USEFUL LIFE	ROLL OVER	FISCAL YEAR COSTS (1,000)														
				24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39
RESCUE EQUIPMENT	46	Water Rescue Program Equipment	5 years	\$5						\$5					\$5			
	47	Water Rescue Craft**	5 years				\$7						\$7					\$7
	48	Inflatable Rescue Boat (IRB)**	10 Years									\$20						
	49	Swift Water Rescue Boat (SWRB)**	10 Years									\$5						
	50	High-Pressure Rescue Airbag Kit (2)**	10 years			\$10											\$10	
	51	Rope Rescue Gear Ropes**	10 years										\$5					
	52	Hydraulic Rescue Tools (Ladder Truck 22)	10 years		\$50										\$50			
	53	Hydraulic Rescue Tools (Medic Engine 22)	10 years						\$18									\$18
	54	Hydraulic Rescue Tools (Medic Engine 28) **	10 years						\$18									\$18
	55	Confined Space Rescue Equipment	10 years						\$18									\$18
VEHICLES	56	Drones - Fire Prevention**	2 years	\$50		\$50		\$50		\$50		\$50		\$50		\$50		\$50
	57	4WD Command Vehicle 4601** (2019); PBCSD	8 years			\$60									\$60			
	58	4WD Command Vehicle B21** (2017); Cypress	8 years	\$60									\$60					
	59	4WD Command Vehicle B22** (2017); Cypress	8 years	\$60									\$60					
	60	4WD Command Vehicle B25** (2019); PBCSD	8 years		\$60								\$60					
	61	Paramedic Vehicle B26** (2017); PBCSD	8 years	\$60									\$60					
	62	Fire Protection and Planning Vehicle P24** (2021); Highlands	8 years					\$60									\$60	
	63	Fire Protection and Planning Vehicle P25** (2016); Cypress	8 years	\$50								\$50						
	64	Fire Protection and Planning Vehicle P26** (2016); PBCSD	8 years		\$50								\$50					
	65	Fire Protection and Planning Vehicle P27** (2017); PBCSD	8 years		\$50								\$50					
	66	Fire Protection and Planning Vehicle P28** (2016); Highlands	8 years	\$50									\$50					
	67	Battalion Training Officer Vehicle T51** (2016); PBCSD	8 years	\$50									\$50					
	68	Station Utility Truck U22** (2021); Cypress	10 years								\$60							
	69	Polaris All-Terrain Vehicle	10 years										\$35					
	70	Ladder Truck 22 (2015); PBCSD	10 years		\$1,400										\$1,400			
	71	Medic Engine 28** (Carmel Hill) (2022); Cypress	10 years										\$360					
	72	Medic Engine 22 (2011); PBCSD	15 years					\$1,200										
	73	Wildland Patrol Vehicle 22 (2002)	15 years	\$450	\$50													
<b>TOTAL FISCAL YEAR COST (1,000)</b>				<b>\$2,030</b>	<b>\$40</b>	<b>\$345</b>	<b>\$1,326</b>	<b>\$249</b>	<b>\$315</b>	<b>\$155</b>	<b>\$682</b>	<b>\$757</b>	<b>\$225</b>	<b>\$1,851</b>	<b>\$38</b>	<b>\$290</b>	<b>\$227</b>	<b>\$139</b>

\$8,669,000

\*\*Items are cost-shared with other fire districts

**EXHIBIT B**  
**Fire Department Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM
1	<b><u>PPE Dryers**</u></b> Replace dryers needed to dry personal protective equipment every five years.
2	<b><u>Kitchen &amp; Living Room Furniture</u></b> Replace kitchen table and chairs, and seating furniture for upstairs and downstairs living areas.
3	<b><u>Media Center and Electronic Components</u></b> Replace televisions, dvd players and storage center in upstairs and downstairs living areas.
4	<b><u>Dormitory Furniture</u></b> Replace dormitory furniture, including mattresses, beds, and nightstands (12).
5	<b><u>Physical Fitness Equipment</u></b> Replace two commercial-grade treadmill and an elliptical machine in gym every eight years.
6	<b><u>Universal Weight Machine</u></b> Replace the universal weight machine used in the gym every ten years.
7	<b><u>Furnace</u></b> Replace the furnace every ten years.
8	<b><u>Carpet</u></b> Replace the carpeting in the fire department every ten years.
9	<b><u>Ergonomic Office Furniture</u></b> Replace ergonomically designed workstation furniture in the Fire Department offices every ten years.
10	<b><u>Window Replacement/Coverings</u></b> Replace the windows/coverings in the fire department every twelve years.
11	<b><u>Vehicle Exhaust Removal System</u></b> Exhaust removal systems are installed in each apparatus bay and are to be replaced every ten years.
12	<b><u>Overhead Electric Doors/Motors (8)</u></b> Electric Motors/Doors/Tracks will be installed on 8 metal overhead doors on for Fire Department parking bays.
13	<b><u>PPE Lockers</u></b> Replacement of existing lockers.
14	<b><u>Gym Athletic Rubber Flooring</u></b> Replace athletic rubber flooring in the Fire Department gym.
15	<b><u>Lower-Level Restroom Remodel (2)</u></b> Rehabilitate lower-level restrooms (2) located in entrance way and hallway of the Fire Department every 20 years. Includes replacing tile, sink, toilet, mirror, lighting, etc. Next replacement scheduled for FY 31/32.
16	<b><u>Kitchen Remodel</u></b> Rehabilitate Fire Department Kitchen every twenty years. Includes replacing appliances, cabinetry, countertops, etc.
17	<b><u>Upper Level Restroom Remodel</u></b> Rehabilitate Fire Department Upper Level Restroom every twenty years. Includes replacing tile, sink, toilet, showers, mirror, lighting, etc
18	<b><u>Carmel Hill Station Physical Fitness Equipment**</u></b> Replace physical fitness exercise equipment for the Carmel Hill fire station every eight years at a 50% cost-share with Cypress District.
19	<b><u>Carmel Hill Carpet**</u></b> Replace the carpeting in the fire department every ten years. PBCSD at 50% cost share.

**EXHIBIT B**  
**Fire Department Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM
20	<b><u>Carmel Hill Pavement Restoration**</u></b> Capital Improvement Project cost share 50/50 between Cypress & Pebble Restoration of driveway/parking lot asphalt every fifteen years. PBCSD at 50% cost share.
21	<b><u>Pump St. @ Carmel Hill Fire Station**</u></b> Rehabilitate sewer pump station at Carmel Hill Fire Station.
22	<b><u>Instrumentation**</u></b> Replace Sewer Pump Station Instrumentation every five years.
23	<b><u>Pump Replacement**</u></b> Replace Sewer Pump Station Pumps every ten years.
24	<b><u>Valves &amp; Appurtanances**</u></b> Replace Sewer Pump Station Valves & Appurtanances every fifteen years.
25	<b><u>Control Panel**</u></b> Replace Sewer Pump Station Control Panel every fifteen years.
26	<b><u>Force-Main**</u></b> Replace Sewer Pump Station Force-Main every twenty five years.
27	<b><u>Command Staff Computers (9)**</u></b> Replace nine cost-shared computer used by fire command positions every four years. Each workstation will include a computer, monitor, keyboard and printer.
28	<b><u>Workstation Computers</u></b> Replace computer workstations used by the operations and prevention staff every four years. Each workstation will include a computer, monitor, keyboard and printer. 100% PBCSD
29	<b><u>iPad Tablets Computers (16)**</u></b> Replace ipad tablet computers every four years. PBCSD is responsible for 5 at 100%, 1 at 50%, and 10 at 37.5%.
30	<b><u>AVL Server and Equipment</u></b> Replace server and equipment required for AVL system every 5 years. 6-way cost share (PBCSD Share = 29.15%)
31	<b><u>Network Combination Copier/Printer/Scanner (ADD AVL Server &amp; Remote)</u></b> Replace the fire department network combination copier/printer/scanner every six years.
32	<b><u>Portable Radios (25)</u></b> District's current portable radios were purchased as part of a County wide grant. Radios have out lived their operational/useful life.
33	<b><u>Radio Repeater Equipment</u></b> Replace radio repeater equipment every ten years.
34	<b><u>Base Radio</u></b> Replace the base radio station located at fire operations offices every ten years.
35	<b><u>Carmel Hill Base Radio**</u></b> Replace the base radio station located at Carmel Hill fire operations offices every ten years.
36	<b><u>Carmel Hill Station Equipment**</u></b> The Carmel Hill Fire Station is operated jointly with Cal Fire and the Cypress Fire Protection District. An annual allocation of \$10,000 per year is included for the PBCSD's share (50%) of replacing capital equipment.
37	<b><u>AED Defibrillators (2)</u></b> Replace two semi-automatic defibrillators used on first response emergency calls every five years.
38	<b><u>Battalion Training Program Equipment**</u></b> Replace the cost-shared SCBA Fit Tester, Forcible Entry Prop, and Fire Extinguisher Simulator used in the Battalion Training Program every five years. PBCSD is responsible for 37.5%.
39	<b><u>Thermal Imaging Cameras (5)**</u></b> Replace five thermal imaging cameras every five years. The camera can detect dangerous, unseen obstacles and assist in rescue operations during low-visibility conditions. 1 camera is located on the medic engine, 1 on the reserve engine, 1 on the ladder truck, 1 on the reserve ladder truck, and 1 on the Carmel Hill medic engine at 50% cost-share.

**EXHIBIT B**  
**Fire Department Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM
40	<b><u>Paramedic EKG Monitors (4)**</u></b> Replace four 12-lead monitor EKGs used by paramedics to monitor heart rhythms every five years. 1 monitor will be located on Medic Engine 22, 1 on Medic Truck 22, 1 on the Carmel Hill medic engine at 50% cost-share, and 1 on the paramedic vehicle at 37.5% cost-share.
41	<b><u>ALS Mannequin</u></b> Repalce ALS mannequin every five years.
42	<b><u>Prevention Public Ed Fire Extinguisher Prop</u></b> Fire extinguisher prop replaced every five years
43	<b><u>Battalion Training Program Flat Bed Trailer**</u></b> Replace BTP Flat Bed Trailer every 15 years. PBCSD Cost Share 37.5%
44	<b><u>SCBA Units &amp; Spare Tanks (27)**</u></b> Replace twenty Self-Contained Breathing Apparatuses (SCBA) every fifteen years. Units include a pack, an air cylinder rated for 45 minutes of use, a full-face air mask, mic, and related valves and hoses. 5 SCBAs are located in the medic engine, 5 in the reserve engine, 5 in the ladder truck, and 5 in staff vehicles (2 for prevention and 3 at 37.5% cost-share) & purchase twenty-seven spare tanks for Self-Contained Breathing Apparatus units.
45	<b><u>Air Compressor, Rack, and Fill Station (2)**</u></b> Replace the air compressor used to fill air bottles, rack to store air bottles, and the fill station every fifteen years. One unit is located at PBCSD and one at Carmel Hill Station at 50% cost-share.
46	<b><u>Water Rescue Program Equipment</u></b> Replace fire department water rescue equipment (paddle boards, wetsuits, life vest) every five years.
47	<b><u>Water Rescue Craft**</u></b> Water Rescue Craft to be replaced every seven years.Cost Share 33%.
48	<b><u>Inflatable Rescue Boat (IRB)**</u></b> Motor driven inflatable boat used for ocean rescue, repalced every ten years. Cost Share 33%
49	<b><u>Swift Water Rescue Boat (SWRB)**</u></b> Inflatable rescue boat used for swift water rescue, replaced every ten years. Cost Share 33%
50	<b><u>High-Pressure Rescue Airbag Kit (2)**</u></b> Replace two airbag kits containing items required to lift heavy objects during rescue operations every ten years, 1 at a 50% cost-share with Cypress District.
51	<b><u>Rope Rescue Gear Ropes**</u></b> Rope rescue gear on Truck 22, Medic Engine 22, and Medic Engine 28 (PBCSD Cost Share = 50%), replace every ten years.
52	<b><u>Hydraulic Rescue Tools on Ladder Truck 22</u></b> Replace hydraulic rescue tool set on Ladder Truck 22 used to provide access to damaged vehicles every ten years.
53	<b><u>Hydraulic Rescue Tools on Medic Engine 22</u></b> Replace hydraulic rescue tool (jaws of life) on Medic Engine 22 used to provide access to damaged vehicles every ten years.
54	<b><u>Hydraulic Rescue Tools on Medic Engine 28**</u></b> Replace hydraulic rescue tool set on Medic Engine 28 used to provide access to damaged vehicles every ten years. Cost Share 50%.
55	<b><u>Confined Space Rescue Equipment</u></b> Purchase equipment to perform a confined-space emergency rescue. Including tripod, winch, rescue lines, portable ventilation units and rescue baskets used for permit required confined space entry and rescue.
56	<b><u>Drones</u></b> Drones and equipment fto be replaced every two years. Assume Cost share of 37.5% for future.
57	<b><u>4WD Command Vehicle 4601**</u></b> Replace four-wheel drive utility vehicle 4601 used by the fire division chief, including lights, radio console and command box every eight years at 37.5% cost-share.
58	<b><u>4WD Command Vehicle B21**</u></b> Replace four-wheel drive utility vehicle B21 used by the fire protection and planning chief including lights, radio console and command box every eight years at 37.5% cost-share.

**EXHIBIT B**  
**Fire Department Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM
59	<b><u>4WD Command Vehicle B22**</u></b> Replace four-wheel drive utility vehicle B22 used by the fire protection and planning chief including lights, radio console and command box every eight years at 37.5% cost-share.
60	<b><u>4WD Command Vehicles B25**</u></b> Replace four-wheel drive utility vehicle B25 used by the fire protection and planning chief including lights, radio console and command box every eight years at 37.5% cost-share.
61	<b><u>Paramedic Vehicle B26**</u></b> Replace the cost-shared pickup truck used by the EMS Captain, including lights, radio console and command box every eight years. The vehicle is cost-shared with Cypress & Carmel Highlands Fire Protection Districts. PBCSD Cost Share = 37.5%.
62	<b><u>Fire Protection and Planning Vehicle P24**</u></b> Replace utility pickup truck 4624 used by the fire protection and planning captain including lights, radio console and command box every eight years. The cost reported for this vehicle represents PBCSD's 37.5% share.
63	<b><u>Fire Protection and Planning Vehicle P25**</u></b> Replace utility pickup truck 4625 used by the fire protection and planning captain including lights, radio console and command box every eight years. The cost reported for this vehicle represents PBCSD's 37.5% share.
64	<b><u>Fire Protection and Planning Vehicle P26**</u></b> Replace small utility pickup truck 4626 used by the fire protection and planning captain including lights, radio console and command box every eight years. The cost reported for this vehicle represents PBCSD's 37.5% share.
65	<b><u>Fire Protection and Planning Vehicle P27**</u></b> Replace small utility pickup truck 4627 used by the fire protection and planning captain including lights, radio console and command box every eight years. The cost reported for this vehicle represents PBCSD's 37.5% share.
66	<b><u>Fire Protection and Planning Vehicle P28**</u></b> Replace small utility pickup truck 4628 used by the fire protection and planning captain including lights, radio console and command box every eight years. The cost reported for this vehicle represents PBCSD's 37.5% share.
67	<b><u>Battalion Training Officer Vehicle T51**</u></b> Replace utility pickup truck used by training officer, which has an expected useful life of eight years. The cost reported for this vehicle represents PBCSD's 37.5% share.
68	<b><u>Station Utility Truck U22**</u></b> Replace the cost-shared utility pickup truck with ladder rack for use at the Carmel Hill station every ten years at 50%. Replaced in 2021.
69	<b><u>Polaris All-Terrain Vehicle</u></b> All-Terrain Vehicle to be replaced every ten years. No cost share. To be owned 100% by PBCSD.
70	<b><u>Ladder Truck 22</u></b> Replace the quint 70-foot ladder Truck engine 22 with a pumping capacity of 1500 gpm every ten years. Quint refers to the five components of the vehicle including pump, water tank, fire hose, aerial device and ground ladders.
71	<b><u>Medic Engine 28** (Carmel Hill)</u></b> Replace the Carmel Hill Station medic engine with a pumping capacity of 1500 gpm every ten years at 50% cost-share.
72	<b><u>Medic Engine 22</u></b> Replace the first-line medic engine with a pumping capacity of 1500 gpm every fifteen years. The replaced medic engine will be reassigned as the reserve engine 22, and the replaced reserve engine will become surplus equipment. The expected useful life is twenty years with approximately fifteen years as a first-line engine, and the remaining years as the reserve engine.
73	<b><u>Wildland Patrol Vehicle 22</u></b> Replace the Type IV wildland engine 22 every fifteen years. This vehicle is used for patrolling open space areas daily during peak fire conditions and for initial response to incidents in open spaces. It includes a 300-gallon water storage tank and 190 gpm pump.

\*\*Items are cost-shared with other fire districts

**EXHIBIT C  
Wastewater Department Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM	USEFUL LIFE	ROLL OVER	FISCAL YEAR COSTS (1,000)															
				24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39	
FACILITIES	1	Fueling Station Rehabilitation	10 years													\$50			
	2	Overhead Electric Doors (8) (Replace 4 in 21/22)	10 years									\$60							
	3	Paint Exterior Buildings (2)	10 years										\$100						
	4	Roof Replacement (Maint. Bldg's)	30 years				\$100												
SCADA	5	SCADA System Servers (3)**	5 years	\$45						\$45					\$45				
	6	SCADA System Software**	10 years						\$30										
	7	Workstation Computers (4)	4 years					\$12					\$12				\$12		
EQUIPMENT	8	Underground Pipe Locator	5 years				\$10						\$10					\$10	
	9	Safety Equipment	5 years					\$15						\$15					\$15
	10	Portable CCTV Equipment (Push Camera)	10 years			\$20											\$20		
	11	Portable Sewer Rodder	10 years											\$15					
	12	Portable Light Tower	10 years								\$15								
	13	Sewer & Manhole Replacement Projects	Rehab.	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
	14	Sewer & Manhole CCTV Projects (Condition Assmnt.)	Rehab.		\$500														
PUMP ST. No.01	15	Carmel Gate Metering Station	15 years								\$75								
	16	Pump Station P-1 (CYPRESS GROVE) Est. 1969, 2024	Rehab.																
	17	Instrumentation	5 years					\$10						\$10					\$10
	18	Remote SCADA Hardware and Software	10 years											\$75					
	19	Pump Replacement (10hp_240v)	10 years											\$20					
PUMP ST. No.02	23	Pump Station P-2 (FANSHELL BEACH) Est. 1969, 2024	Rehab.																
	24	Instrumentation	5 years					\$10						\$10					\$10
	25	Remote SCADA Hardware and Software	10 years											\$75					
	26	Pump Replacement (10hp_240v)	10 years											\$20					
PUMP ST. No.03	30	Pump Station P-3 (SEAL ROCK) Est. 1990	Rehab.	\$1,000	\$500	\$1,500													
	31	Instrumentation	5 years								\$20					\$20			
	32	Remote SCADA Hardware and Software	10 years													\$100			
	33	Flow Meter	10 years												\$10				
	34	Wet Well Mixer (2)	10 years											\$50					
	35	Sump Pump Replacement (Replaced 2017)	10 years					\$15										\$15	
	36	Air Scrubber	10 years													\$50			
	39	Solids Grinder (B) (Replaced in 2017)	15 years											\$100					
	41	Surge Tank	15 years													\$20			
	43	Emergency Power Generator (400kW_Replaced 2002)	25 years					\$150											
PUMP ST. No.04	44	Underground Diesel Storage Tank - TIUGA Conversion	25 years				\$150												
	45	Force Main (Condition Assessment) (installed 2008)	25 years		\$50														
	46	Pump Station P-4 (HWY 68) Est. 1969	Rehab.	\$500	\$1,000														
	47	Instrumentation	5 years								\$10					\$10			
	48	Remote SCADA Hardware and Software	10 years													\$75			
	49	Pump Replacement (25hp_240v)	10 years													\$60			

**EXHIBIT C  
Wastewater Department Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM	USEFUL LIFE	ROLL OVER	FISCAL YEAR COSTS (1,000)														
				24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39
PUMP ST. No.05	53 Pump Station P-5 (SUNSET LN.) Est. 1969	Rehab.					\$1,000											
	54 Instrumentation	5 years										\$10					\$10	
	55 Remote SCADA Hardware and Software	10 years															\$75	
	56 Flow Meter	10 years															\$10	
	57 Pump Replacement (25hp_240v)	10 years															\$100	
	60 Emergency Power Generator (60kW)	15 years					\$150											
	63 Access Road Improvement	One Time		\$100														
PUMP ST. No.06	64 Pump Station P-6 (PESCADERO PT.) Est. 2015	Rehab.																
	65 Instrumentation	5 years		\$10						\$10					\$10			
	66 Remote SCADA Hardware and Software	10 years										\$75						
	67 Pump Replacement (7.5hp_240v)	10 years		\$20											\$20			
	68 Valves & Appurtenances	15 years								\$15								
	69 Control Panel	15 years								\$150								
	71 Pump Station P-7 (PBGL 18th) Est. 2012	Rehab.																
PUMP ST. No.07	72 Instrumentation	5 years		\$10						\$10					\$10			
	73 Remote SCADA Hardware and Software	10 years									\$75							
	74 Flow Meter	10 years										\$15						
	75 Wet Well Mixer	10 years										\$20						
	76 Pump Replacement (60hp_480v)	10 years										\$80						
	77 Valves & Appurtenances	15 years						\$15										
	78 Control Panel	15 years						\$150										
	79 Emergency Power Generator (150kW)	15 years		\$100														
	PUMP ST. No.08	82 Pump Station P-8 (SPANISH BAY) Est. 2007	Rehab.															
83 Instrumentation		5 years			\$10						\$10					\$10		
84 Remote SCADA Hardware and Software		10 years									\$75							
85 Wet Well Mixer (Installed 2019)		10 years						\$10										\$10
86 Pump Replacement (5hp_480v)		10 years										\$25						
87 Valves & Appurtenances		15 years					\$15											
88 Control Panel (Replaced 2021)		15 years													\$150			



**EXHIBIT C**  
**Wastewater Department Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM	USEFUL LIFE	ROLL OVER	FISCAL YEAR COSTS (1,000)														
				24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39
VEHICLES / MOBILE EQUIP.	90 PB-1 Light Utility Truck (General) (2023)	10 years										\$65						
	91 PB-2 Line Cleaning/Vacuum Truck (2021)	10 years								\$450								
	92 PB-4 Heavy Utility Truck (PS Crew) (2019)	10 years					\$75										\$75	
	93 PB-5 Light Utility Truck (General) (2016)	10 years				\$45										\$45		
	94 PB-8 Line Cleaning Truck (2013)	10 years	\$350										\$350					
	95 PB-9 Sewer Line Cleaning Light Utility Vehicle (UTV) (2023)	10 years											\$25					
	96 PB-6 Dump Truck (2023)	15 years															\$100	
	97 Trailer Mounted Sewer Rodder	15 years			\$120													
	98 10" Portable Pump (1999)	15 years	\$150															\$150
	99 6" Portable Pump (2009)	15 years		\$75														
	100 G1 Portable Generator (2004_60kW_120/240v)	15 years																\$75
	101 G2 Portable Generator (2006_60kW_120/240v) (Rebuilt '23)	15 years																\$75
	102 G3 Portable Generator (2001_60kW_240/480v) (Rebuilt '20)	15 years																\$75
	103 G4 Portable Generator (2004_60kW_120/240v)	15 years																\$75
	104 PB-3 CCTV Camera Van (2006)	20 years			\$100													
	105 PB-7 Crane Truck (1994)	20 years	\$100															
	106 Backhoe Loader (1999)	20 years								\$80								
107 Easement Line Cleaning Equipment	20 years		\$50															
<b>TOTAL FISCAL YEAR COST (1,000)</b>				<b>\$2,270</b>	<b>\$4,310</b>	<b>\$1,275</b>	<b>\$2,490</b>	<b>\$1,297</b>	<b>\$1,155</b>	<b>\$1,755</b>	<b>\$1,220</b>	<b>\$1,372</b>	<b>\$1,805</b>	<b>\$1,055</b>	<b>\$1,575</b>	<b>\$1,087</b>	<b>\$1,320</b>	<b>\$1,570</b>

\$25,556,000

**EXHIBIT C**  
**Wastewater Department Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM
1	<b><u>Fueling Station Rehabilitation</u></b> The fuel pump and monitoring and security system for the diesel and gasoline fueling station will be rehabilitated.
2	<b><u>Overhead Electric Door Motors (8)</u></b> Replace eight electric motors on metal overhead doors for Maintenance Building bays.
3	<b><u>Paint Exterior Buildings (2)</u></b> Paint exterior of maintenance shop and maintenance vehicle garage buildings every ten years.
4	<b><u>Roof Replacement (Maintenance Buildings)</u></b> Replace the roof on the maintenance shop and maintenance vehicle garage every thirty years.
5	<b><u>SCADA System Servers (3)**</u></b> Replace three servers for the SCADA system every five years, servers facilitates communication amongst Wastewater and Reclamation facilities.
6	<b><u>SCADA System Software**</u></b> Update SCADA System software every ten years.
7	<b><u>Work Station Computers (4)</u></b> Replace four maintenance computer workstations and two black and white laser printers every five years.
8	<b><u>Underground Pipe Locator</u></b> Improved technology will increase the speed and accuracy of locating underground pipes for Underground Service Alert (USA) work requests.
9	<b><u>Confined Space Safety Equipment</u></b> Replace the confined space safety equipment, including tripod, winch, rescue lines, portable ventilation units, rescue baskets and air bottles used for permit required confined space entry and rescue operations every five years.
10	<b><u>Portable CCTV Equipment</u></b> Replace portable cctv equipment every ten years.
11	<b><u>Portable Sewer Rodder</u></b> Replace potable sewer rodder every ten years.
12	<b><u>Portable Lighting Tower</u></b> Replace the portable lighting tower used for emergency night time repairs every ten years.
13	<b><u>Sewer and Manhole Replacement Projects (CCTV)</u></b> The maintenance department inspects manholes and wastewater lines to identify problem areas. Each year the wastewater lines and manholes that require replacement or rehabilitation are identified and prioritized by condition. The annual sewer replacement project is designed to address the highest priority areas until the budget limit is reached. The allocation of \$1,000,000 allows the replacement of approximately one mile of sewer main lines in the wastewater collection system.
14	<b><u>Sewer and Manhole CCTV Projects</u></b> Conduct CCTV assessment of gravity sewer mains, interceptor line, and manholes throughout District.
15	<b><u>Carmel Gate Metering Station</u></b> Rehabilitate Carmel Gate flume metering station that meters all wastewater flow to CAWD treatment plant.
16	<b><u>Pump Station P-1 (CYPRESS GROVE) Est. 1969</u></b> Rehabilitate Sewer Pump Station P-1. Rehab complete 2024.
17	<b><u>Instrumentation</u></b> Replace Sewer Pump Station Instrumentation every five years.
18	<b><u>Remote SCADA Hardware and Software</u></b> Replace SCADA system Hardware for pump station every ten years.

**EXHIBIT C**  
**Wastewater Department Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM
19	<b><u>Pump Replacement</u></b> Replace Sewer Pump Station Pumps every ten years.
20	<b><u>Valves &amp; Appurtanances</u></b> Replace Sewer Pump Station Valves & Appurtanances every fifteen years.
21	<b><u>Control Panel</u></b> Replace Sewer Pump Station Control Panel every fifteen years.
22	<b><u>Force Main</u></b> Replace Sewer Pump Station Force-Main every twenty-five years.
23	<b><u>Pump Station P-2 (FANSHELL BEACH) Est. 1969</u></b> Rehabilitate Sewer Pump Station P-2. Rehab completed 2024.
24	<b><u>Instrumentation</u></b> Replace Sewer Pump Station Instrumentation every five years.
25	<b><u>Remote SCADA Hardware and Software</u></b> Replace SCADA system Hardware for pump station every ten years.
26	<b><u>Pump Replacement</u></b> Replace Sewer Pump Station Pumps every ten years.
27	<b><u>Valves &amp; Appurtanances</u></b> Replace Sewer Pump Station Valves & Appurtanances every fifteen years.
28	<b><u>Control Panel</u></b> Replace Sewer Pump Station Control Panel every fifteen years.
29	<b><u>Force Main</u></b> Replace Sewer Pump Station Force-Main every twenty-five years.
30	<b><u>Pump Station P-3 (SEAL ROCK) Est. 1990</u></b> Rehabilitate Sewer Pump Station P-3.
31	<b><u>Instrumentation</u></b> Replace Sewer Pump Station Instrumentation every five years.
32	<b><u>Remote SCADA Hardware and Software</u></b> Replace SCADA system Hardware for pump station every ten years.
33	<b><u>Flow Meter</u></b> Replace Flow Meter every ten years.
34	<b><u>Wet Well Mixer (2)</u></b> Replace two Wet Well Mixers every ten years.
35	<b><u>Sump Pump Replacement</u></b> Replace duplex sump pumps every ten years.
36	<b><u>Air Scrubber</u></b> Replace air scrubber at P-3 every ten years.
37	<b><u>Pump Replacement (140hp)</u></b> Replace Sewer Pump Station Pumps every fifteen years.

**EXHIBIT C**  
**Wastewater Department Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM
38	<b><u>Solids Grinder (A)</u></b> Replace Solids Grinder every fifteen years, Grinder (A) scheduled for replacement in FY23/24.
39	<b><u>Solids Grinder (B)</u></b> Replace Solids Grinder every fifteen years, Grinder (B) scheduled for replacement in FY32/33.
40	<b><u>Valves &amp; Appurtanances</u></b> Replace Sewer Pump Station Valves & Appurtanances every fifteen years.
41	<b><u>Surge Tank</u></b> Replace P3 surge tank every fifteen years.
42	<b><u>Control Panel</u></b> Replace Sewer Pump Station Control Panel every fifteen years.
43	<b><u>Emergency Power Generator</u></b> Replace Emergency Power Generator every fifteen years.
44	<b><u>Underground Diesel Storage Tank - TIUGA Conversion</u></b> Replace Underground Diesel Storage Tank every twenty-five years.
45	<b><u>Force Main</u></b> Replace Sewer Pump Station Force-Main every twenty-five years.
46	<b><u>Pump Station P-4 (HWY 68)</u></b> <small>Est. 1969</small> Rehabilitate Sewer Pump Station P-4.
47	<b><u>Instrumentation</u></b> Replace Sewer Pump Station Instrumentation every five years.
48	<b><u>Remote SCADA Hardware and Software</u></b> Replace SCADA system Hardware for pump station every ten years.
49	<b><u>Pump Replacement</u></b> Replace Sewer Pump Station Pumps every ten years.
50	<b><u>Valves &amp; Appurtanances</u></b> Replace Sewer Pump Station Valves & Appurtanances every fifteen years.
51	<b><u>Control Panel</u></b> Replace Sewer Pump Station Control Panel every fifteen years.
52	<b><u>Force Main</u></b> Replace Sewer Pump Station Force-Main every twenty-five years.
53	<b><u>Pump Station P-5 (SUNSET LN.)</u></b> <small>Est. 1969</small> Rehabilitate Sewer Pump Station P-5.
54	<b><u>Instrumentation</u></b> Replace Sewer Pump Station Instrumentation every five years.
55	<b><u>Remote SCADA Hardware and Software</u></b> Replace SCADA system Hardware for pump station every ten years.
56	<b><u>Flow Meter</u></b> Replace Flow Meter every ten years.

**EXHIBIT C**  
**Wastewater Department Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM
57	<b><u>Pump Replacement</u></b> Replace Sewer Pump Station Pumps every ten years.
58	<b><u>Valves &amp; Appurtanances</u></b> Replace Sewer Pump Station Valves & Appurtanances every fifteen years.
59	<b><u>Control Panel</u></b> Replace Sewer Pump Station Control Panel every fifteen years.
60	<b><u>Emergency Power Generator</u></b> Replace Emergency Power Generator every fifteen years.
61	<b><u>Underground Diesel Storage Tank</u></b> Replace Underground Diesel Storage Tank every twenty-five years.
62	<b><u>Force Main</u></b> Replace Sewer Pump Station Force-Main every twenty-five years.
63	<b><u>Access Road Improvement</u></b> One time cost to assess and improvement access road to P-5.
64	<b><u>Pump Station P-6 (PESCADERO PT.) Est. 1969, rehab in 2015</u></b> Rehabilitate Sewer Pump Station P-6.
65	<b><u>Instrumentation</u></b> Replace Sewer Pump Station Instrumentation every five years.
66	<b><u>Remote SCADA Hardware and Software</u></b> Replace SCADA system Hardware for pump station every ten years.
67	<b><u>Pump Replacement</u></b> Replace Sewer Pump Station Pumps every five years.
68	<b><u>Valves &amp; Appurtanances</u></b> Replace Sewer Pump Station Valves & Appurtanances every fifteen years.
69	<b><u>Control Panel</u></b> Replace Sewer Pump Station Control Panel every fifteen years.
70	<b><u>Force Main</u></b> Replace Sewer Pump Station Force-Main every twenty-five years.
71	<b><u>Pump Station P-7 (PBGL 18th) Est. 2012</u></b> Rehabilitate Sewer Pump Station P-7.
72	<b><u>Instrumentation</u></b> Replace Sewer Pump Station Instrumentation every five years.
73	<b><u>Remote SCADA Hardware and Software</u></b> Replace SCADA system Hardware for pump station every ten years.
74	<b><u>Flow Meter</u></b> Replace Flow Meter every ten years.
75	<b><u>Wet Well Mixer</u></b> Replace one Wet Well Mixers every ten years.

**EXHIBIT C**  
**Wastewater Department Capital Outlay Plan**

<b>ITEM NO.</b>	<b>CAPITAL ITEM</b>
76	<b><u>Pump Replacement</u></b> Replace Sewer Pump Station Pumps every ten years.
77	<b><u>Valves &amp; Appurtanances</u></b> Replace Sewer Pump Station Valves & Appurtanances every fifteen years.
78	<b><u>Control Panel</u></b> Replace Sewer Pump Station Control Panel every fifteen years.
79	<b><u>Emergency Power Generator</u></b> Replace Emergency Power Generator every fifteen years.
80	<b><u>Underground Diesel Storage Tank - TIUGA Conversion</u></b> Replace Underground Diesel Storage Tank every twenty-five years.
81	<b><u>Force Main</u></b> Replace Sewer Pump Station Force-Main every twenty-five years.
82	<b><u>Pump Station P-8 (SPANISH BAY) Est. 2007</u></b> Rehabilitate Sewer Pump Station P-8.
83	<b><u>Instrumentation</u></b> Replace Sewer Pump Station Instrumentation every five years.
84	<b><u>Remote SCADA Hardware and Software</u></b> Replace SCADA system Hardware for pump station every ten years.
85	<b><u>Wet Well Mixer</u></b> Replace one Wet Well Mixers every ten years.
86	<b><u>Pump Replacement</u></b> Replace Sewer Pump Station Pumps every ten years.
87	<b><u>Valves &amp; Appurtanances</u></b> Replace Sewer Pump Station Valves & Appurtanances every fifteen years.
88	<b><u>Control Panel</u></b> Replace Sewer Pump Station Control Panel every fifteen years.
89	<b><u>Force Main</u></b> Replace Sewer Pump Station Force-Main every twenty-five years.
90	<b><u>PB-1 Light Utility Truck (General)</u></b> The PB-1 utility truck will be replaced. This vehicle is a half-ton four-wheel drive pickup truck with an estimated useful life of ten years.
91	<b><u>PB-2 Line Cleaning/Vacuum Truck</u></b> Vac-Con Line/Vacuum truck is used to remove blockages, roots, and debris from the collection system using a water jetting system every ten years. It contains a water storage tank, a water pump, vacuum fan, debris storage tank and 800 feet of hose.
92	<b><u>PB-4 Heavy Utility Truck (Pump Station Crew)</u></b> This is a one-ton 4WD utility truck used primarily for pump station maintenance. The truck has an expected useful life of ten years.
93	<b><u>PB-5 Light Utility Truck (General)</u></b> This is a heavy-duty 4WD utility truck primarily used by the field operations manager every ten years.
94	<b><u>PB-8 Line Cleaning Truck</u></b> Front-line equipment used on a daily basis to perform line cleaning activities to be replaced every ten years

**EXHIBIT C**  
**Wastewater Department Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM
95	<b><u>PB-9 Sewer Line Cleaning Utility Vehicle (UTV)</u></b> Small utility vehicle with trailer jetter to be used for line cleaning when large line cleaning vehicles cannot access cleaning locations.
96	<b><u>PB-6 Dump Truck</u></b> This vehicle transports bulk material and allows the crew to perform more field construction work.
97	<b><u>Trailer Mounted Sewer Rodder</u></b> Replace the trailer-mounted continuous power rodder that is used to clear stoppages and perform routine root removal maintenance on wastewater lines and also provides a redundant capacity to clear sewer main lines if the line cleaning truck is out of service.
98	<b><u>10" Portable Pump</u></b> Replace the 10-inch, 3000-gpm portable wastewater pump, which allows the maintenance crew to bypass problem areas that require repair every fifteen years. The 10-inch diameter pump is sized to handle the expected wet weather flow for the 27-inch diameter interceptor line and to bypass pump station P3. This replacement will include a noise-reduction enclosure.
99	<b><u>6" Portable Pump</u></b> A trailer mounted 6-inch pump with sound-reducing enclosure capable of transporting wastewater will be purchased for smaller pump station bypass operations.
100	<b><u>G1 Portable Generator</u></b> Replace 60KW portable generator mounted on trailers with noise reduction enclosures every fifteen years to (used to serve Pump Station P-1)
101	<b><u>G2 Portable Generator</u></b> Replace 60KW portable generator mounted on trailers with noise reduction enclosures every fifteen years to (used to serve Pump Station P-2)
102	<b><u>G3 Portable Generator</u></b> Replace 60KW portable generator mounted on trailers with noise reduction enclosures every fifteen years to (used to serve Pump Station P-6)
103	<b><u>G4 Portable Generator</u></b> Replace 60KW portable generator mounted on trailers with noise reduction enclosures every fifteen years to (used to serve Pump Station P-4)
104	<b><u>PB-3 CCTV Camera Truck</u></b> Closed Circuit Television (CCTV) equipment on PB-3 is past its service life and in need of replacement. All hardware, software, camera, and camera support equipment is scheduled for replacement in FY2018/19, the truck chassis is in good working condition and will not need to be replaced in FY2018/19
105	<b><u>PB-7 Crane Truck</u></b> Flatbed truck and crane has a lifting capacity of 10,000 lbs.
106	<b><u>Backhoe Loader</u></b> This piece of equipment allows the maintenance crew to perform more field construction work and can be modified to act as a forklift.
107	<b><u>Easement Line Cleaning Equipment</u></b> This equipment extends the range of the line cleaning truck so that sewer lines located in areas with no vehicle accessibility can be reached without manually pulling hose.

\*\*Items are cost-shared with Recycled Water

**EXHIBIT D  
Carmel Area Wastewater District Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM	ROLL OVER	FISCAL YEAR COSTS (1,000)															
			24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39	
PLANNED PROJECTS	1	Carmel River FREE Mitigation Project (Funded by Grants/County, See Below)*																
	2	Main Potable Water and Gas Main Replacement (5.5% Collections)	\$95	\$126	\$173													
	3	Artificial Intelligence Pilot Project	\$33															
	4	Perimeter Fencing	\$8	\$92														
	5	Fish Passage on CAWD Sewer Crossing on the Carmel River		\$10														
	6	Outfall Cathodic Protection Anode Bed and Rectifier Replacement		\$20	\$50													
	7	WWTP Perimeter Tree Planting		\$25	\$17													
	8	Plant Bridge Retrofit Project		\$50	\$50	\$67	\$267											
	9	Plant Paving and Vault Lids			\$167													
	10	Plant Landscaping			\$50													
	11	Digester No. 1 - Rehabilitation			\$50	\$253												
	12	Replace Older Turblex Blower				\$177												
	13	Influent Pump Station Wet Well Repairs				\$100												
	14	Office Trailer Replacements				\$17	\$100											
	15	Lagoon Crossing Rehabilitation							\$167									
	16	Ocean Outfall Rehabilitation								\$333								
	17	Next Generation PLC/SCADA Upgrades Phase 1											\$333					
	18	Septage Waste Receiving Station																
	19	Sea Level Rise Flood Mitigation																
PROCESS AREA REHAB	20	Misc. Yard Piping Rehab and Maintenance Projects							\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	\$30	
	21	Influent/Headworks/Primary Rehab and Maintenance Projects							\$33	\$33	\$33	\$33	\$33	\$33	\$33	\$33	\$33	
	22	EQ/Blowers/Aeration/Secondary Rehab and Maintenance Projects (Partial Reclamation)							\$57	\$57	\$57	\$57	\$57	\$57	\$57	\$57	\$57	
	23	Chlorination/Dechlorination/Effluent Rehab and Maintenance Projects (Partial Reclamation)							\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$28	
	24	DAFT/Digestion/Dewatering Rehab and Maintenance Projects (Partial Reclamation)							\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$28	
	25	CAWD Maintenance Plant - CIP	\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40	\$40	
	26	CAWD Treatment Plant - Equipment	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	
	27	CAWD Treatment Plant - CIP	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	
TOTAL FISCAL YEAR COST (1,000)			\$196	\$383	\$617	\$673	\$427	\$237	\$403	\$570	\$237	\$237	\$570	\$237	\$237	\$237	\$237	

\$5,498,000



**EXHIBIT E**  
**Undergrounding Overhead Utility Projects**  
**Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM	USEFUL LIFE	ROLL OVER	FISCAL YEAR COSTS (1,000)															
				24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39	
1	Undergrounding Overhead Utility Projects	Annual	\$770	\$500	\$2,500	\$2,500	\$5,000	\$5,000	\$500	\$2,000	\$4,000	\$1,500	\$2,600	\$2,600	\$2,600	\$2,600	\$2,600	\$2,600	
TOTAL FISCAL YEAR COST (1,000)				\$500	\$2,500	\$2,500	\$5,000	\$5,000	\$500	\$2,000	\$4,000	\$1,500	\$2,600	\$2,600	\$2,600	\$2,600	\$2,600	\$2,600	

UNDERGROUNDING OVERHEAD UTILITY PROJECTS TOTAL PLAN COST      \$39,100,000

**EXHIBIT F**  
**Recycled Water Distribution System Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM	USEFUL LIFE	ROLL OVER	FISCAL YEAR COSTS (1,000)																
				24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39		
SCADA	1 SCADA System Servers ** (Replaced in 2020)	5 years		\$15						\$15					\$15					
	2 SCADA System Software** (Upgraded in 2020)	10 years								\$30										
	3 SCADA System Remote Hardware** (Replaced in 2020)	10 years								\$100										
PIPELINE	4 Flow Meter Remote Measuring Systems (13)	10 years										\$120								
	6 Cathodic Protection System - PBGL Maint. Yard	20 years		\$100																
	7 Cathodic Protection System - Whitman Ln	20 years		\$100																
	8 Cathodic Protection System - Forest Lake Rd	20 years		\$100																
	9 Cathodic Protection System - Forest Lake Reservoir	20 years										\$100								
10 Pipeline Replacement	50 years																			
VISCAINO PUMP STATION	11 Viscaino Generator (250kW)	15 years					\$150													
	12 Viscaino Pumps & Motor Starters (2)	15 years		\$25																
	13 Viscaino Pump Controls	15 years		\$100																
POPPY HILLS STORAGE	14 Storage Tank Rehabilitation (Rehab. in 2020)	15 years													\$1,500					
	15 Poppy Tank Mission Control	10 years								\$10										
	16 Poppy Hills Emergency Power Supply	15 years		\$25																
	17 Air Diffuser Membrane Replacement	10 years				\$20											\$20			
FOREST LAKE	18 Forest Lake Strainer Replacement	10 years		\$250											\$250					
	19 Forest Lake Acid Injection Equipment	10 years			\$50											\$50				
	20 Forest Lake Chlorine Injection Equipment (2021)	10 years									\$50									
	21 Forest Lake Chemical Bldg. Instru. (Replaced in 2019)	10 years						\$25											\$25	
	22 Forest Lake Feed Pumps (4)	10 years						\$200											\$200	
	23 Forest Lake Feed Pump Motor Controllers (4)	10 years						\$100											\$100	
	24 Forest Lake Mixers (2)	10 years									\$150									
	25 Forest Lake Multi-Probe (Replaced in 2019)	5 years			\$15						\$15						\$15			
	26 Forest Lake Inlet Flow Meter (Replaced in 2019)	10 years							\$15											\$15
	27 Forest Lake Outlet Structure Level System	10 years												\$10						
	28 Forest Lake Backwash Pumps (2)	10 years										\$25								
	29 Forest Lake Blowers (2)	15 years			\$100															
30 Forest Lake Generator (15kW)	15 years			\$35																
31 Acid Tank Replacement (Replaced 2019)	15 years												\$50							
32 Forest Lake Outlet Gate Electric Operators	15 years																	\$45		
33 Pontoon Work (Crane) Boat	20 years						\$25													
34 3-Way Valve Box - Electronic Operator	20 years			\$30																
35 Forest Lake Outlet Gates	20 years				\$75															
36 Forest Lake Air System Stainless Steel Piping	20 years				\$250															
37 Forest Lake Hypalon Liner	30 years																	\$5,000		
39 Well Pumps	10 years					\$60												\$60		
<b>TOTAL FISCAL YEAR COST (1,000)</b>				\$415	\$530	\$405	\$175	\$340	\$145	\$25	\$200	\$245	\$60	\$1,765	\$65	\$5,125	\$0	\$340		
				<b>\$9,835,000</b>																

\*\*Items are cost-shared with Wastewater Department  
Note: Distribution Pipeline Replacement Not Yet Determined.

**EXHIBIT F**  
**Recycled Water Distribution System Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM
1	<b><u>SCADA System Servers</u></b> <small>** (Replaced in 2020)</small> Cost Share replacement of SCADA servers every five years, servers facilitates communication amongst reclamation facilities.
2	<b><u>SCADA System Software</u></b> <small>** (Upgraded in 2020)</small> Cost Share Update SCADA System software every five years.
3	<b><u>SCADA System Remote Hardware</u></b> <small>** (Replaced in 2020)</small> Update SCADA System hardware every ten years.
4	<b><u>Flow Meter Remote Measuring Systems (13)</u></b> Replace the irrigation meters and remote sensors on vault lids to allow recycled water meter readings to be electronically recorded without lifting the meter vault doors.
5	<b><u>Pipeline Cathodic Protection in Carmel</u></b> The recycled water transmission main throughout the City of Carmel is not protected against corrosion. A cathodic protection system is scheduled be designed and installed in FY2018/19 to reduce the potential for corrosion and extend the useful life of the pipeline
6	<b><u>Cathodic Protection System - PBGL Maint. Yard</u></b> The recycled water transmission main from the Carmel gate passed the Pebble Beach Golf Links Maintenance Yard is protected against corrosion. The existing cathodic protection system should be rehabilitated in FY 2024/25 reduce the potential for corrosion and extend the useful life of the pipeline
7	<b><u>Cathodic Protection System - Whitman Ln</u></b> The recycled water transmission main from the Pebble Beach Golf Links Maintenance Yard passed Whitman Lane is protected against corrosion. The existing cathodic protection system should be rehabilitated in FY 2024/25 reduce the potential for corrosion and extend the useful life of the pipeline
8	<b><u>Cathodic Protection System - Forest Lake Rd</u></b> The recycled water transmission main from Whitman Lane to Forest Lake Road is protected against corrosion. The existing cathodic protection system should be rehabilitated in FY 2024/25 reduce the potential for corrosion and extend the useful life of the pipeline
9	<b><u>Cathodic Protection System - Forest Lake Reservoir</u></b> The recycled water transmission main from Forest Lake Road to Sloat Road is protected against corrosion. The existing cathodic protection system should be rehabilitated in FY 2032/33 reduce the potential for corrosion and extend the useful life of the pipeline
10	<b><u>Pipeline Replacement</u></b> Replacement of the cement mortar lined distribution main (approximately 7 miles of pipeline from CAWD to near Spanish Bay) every 50 years.
11	<b><u>Viscaino Generator</u></b> <small>(250kW)</small> Replace 250KW electrical generator at the Viscaino potable water pump station.
12	<b><u>Viscaino Pumps &amp; Motor Starters (2)</u></b> Replace the two potable water pumps and motor starters at the Viscaino pump station that supplies potable water to the 2.5 million-gallon storage tank.
13	<b><u>Viscaino Pump Controls</u></b> Replace the control system for the pumps at the Viscaino Pump Station
14	<b><u>Storage Tank Rehabilitation</u></b> <small>(Rehab. In 2020)</small> Rehabilitation of the 2.5 million-gallon recycled water storage tank including structural repairs, cathodic protection replacement, interior and exterior coating.
15	<b><u>Poppy Tank Mission Control</u></b> Mission unit at Poppy Hills Storage Tank to be replaced every ten years.
16	<b><u>Poppy Hills Generator with ATS</u></b> Poppy Hills Generator to be replaced every fifteen years with new automatic transfer switch.
17	<b><u>Air Diffuser Membrane Replacement</u></b> Replace a total of (60) flexible membrane tube diffusers located at the bottom of the Forest Lake Reservoir; used for aeration / vertical mixing.
18	<b><u>Forest Lake Strainer Replacement</u></b> Three strainers that remove algae material prior to distribution will be replaced.
19	<b><u>Forest Lake Acid Injection Equipment</u></b> Acid injection equipment at Forest Lake Treatment Plant to be replaced every ten years.
20	<b><u>Forest Lake Chlorine Injection Equipment (2021)</u></b> Chlorine injection equipment at Forest Lake Treatment Plant to be replaced every ten years.

**EXHIBIT F**  
**Recycled Water Distribution System Capital Outlay Plan**

ITEM NO.	CAPITAL ITEM
21	<b><u>Forest Lake Chemical Bldg. Instru.</u></b> <small>(Replaced in 2019)</small> The chlorine analyzer and pH meter for the Forest Lake facilities will be replaced every ten years.
22	<b><u>Forest Lake Feed Pumps (4)</u></b> Three feed pumps (one on VFD) and one spare pump that transport recycled water to the distribution system will be replaced every ten years.
23	<b><u>Forest Lake Feed Pump Motor Controllers (4)</u></b> Motor Controllers for Forest Lake Feed pumps to be replaced every ten years.
24	<b><u>Forest Lake Mixers (2)</u></b> Replace two horizontal mixers in Forest Lake every ten years.
25	<b><u>Forest Lake Multi-Probe</u></b> <small>(Replaced in 2019)</small> Replace multi-probe which measures, pH, BO, temperature, and chloroform at Forest Lake Reservoir every ten years.
26	<b><u>Forest Lake Inlet Flow Meter</u></b> <small>(Replaced in 2019)</small> Replace inlet flow meter used to measure quantity of recycled water entering Forest Lake every ten years.
27	<b><u>Forest Lake Outlet Structure Level System</u></b> Replace ultrasonic level indicator and high/low level sensors at Forest Lake Reservoir every ten years.
28	<b><u>Forest Lake Backwash Pumps (2)</u></b> Replace backwash basin pumps that return water from chemical building drain lines and strainer backwash to reservoir every ten years.
29	<b><u>Forest Lake Blowers (2)</u></b> Replace two blowers at Forest Lake Chemical Building that supply air and vertical mixing at Forest Lake every fifteen years.
30	<b><u>Forest Lake Generator</u></b> <small>(15kW)</small> Replace 15KW electrical generator used at Forest Lake Reservoir.
31	<b><u>Acid Tank Replacement</u></b> <small>(Replaced 2019)</small> Replace acid storage tank within the Forest Lake Chemical Storage Building every fifteen years
32	<b><u>Forest Lake Outlet Gate Electric Operators</u></b> Electric operators for Forest Lake Outlet Gates to be replaced at fifteen year intervals.
33	<b><u>Pontoon Work (Crane) Boat</u></b> Replace Pontoon work boat allows safe heavy lifting for servicing and repair of equipment (underwater mixers and underwater slide gates) located out in the Forest Lake Reservoir, replace every twenty years.
34	<b><u>3-Way Valve Box - Electronic Operator</u></b> Replace four electric gate operators on outlet structure every fifteen years
35	<b><u>Forest Lake Outlet Gates</u></b> Replace sluice gates and operators located at the outlet structure every twenty years.
36	<b><u>Forest Lake Air System Stainless Steel Piping</u></b> Replace the stainless steel air piping located at the bottom of Forest Lake every twenty years.
37	<b><u>Forest Lake Hypalon Liner</u></b> Replace the Hypalon Liner for Forest Lake every twenty years.
38	<b><u>Forest Lake Paved Assets</u></b> Replacement roadway pavement on Forest Lake site
39	<b><u>Well Pumps</u></b> Well pumps for the three alternative source water project wells to be replaced every ten years.

\*\*Items are cost-shared with Wastewater Department