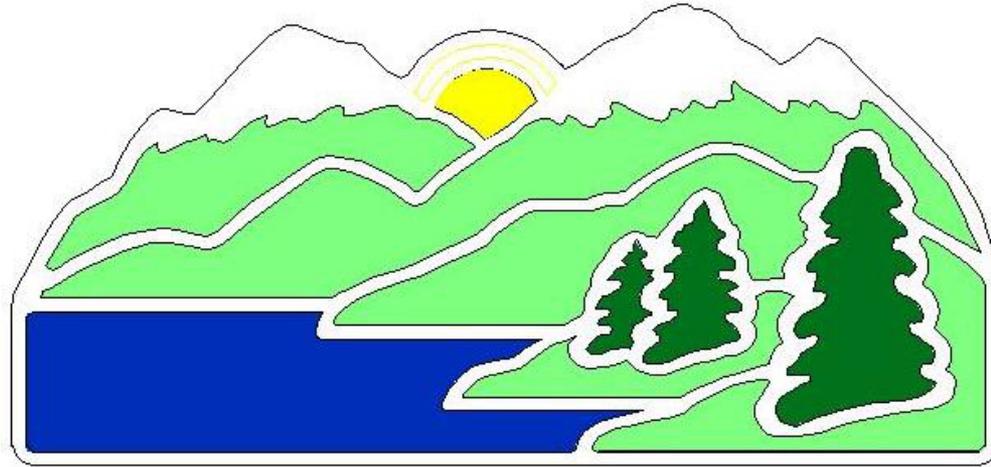


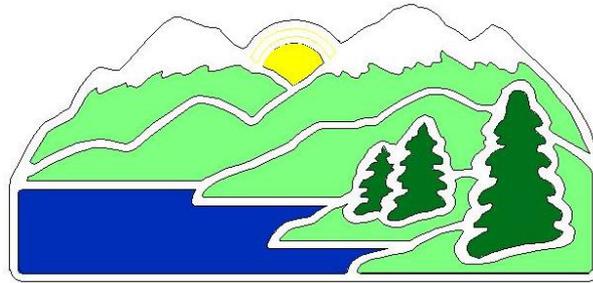
# **Tahoe City Public Utility District**



## **2023 Capital Project Information Sheets**

December 9, 2022

# 2023 Water Projects



## Project Justification Legend

### **Asset Type**

- Distribution
- Transmission
- Source
- Storage
- Equipment
- Multiple

### **Project Type**

- Upgrade
- Replace
- Rehab

### **Justification Category**

- Capacity
- Age/Condition
- Safety/Security
- Regulatory
- Vulnerability/Risk
- Best Practice
- Redundancy/Reliability
- Multiple
- Other

8182	P/N											
<b>Project Title:</b>	Highway 28 Conductor Crossing Project	<b>Map/Photo:</b> 										
<b>Project Manager:</b>	Will Stelter											
<b>Current Phase:</b>	CONSTRUCTION											
<b>Budget Location:</b>	CAPITAL - WATER											
<b>Design Consultant:</b>	Sauers Engineering, Inc											
<b>Const. Contractor:</b>	TBD											
<b>Project Description:</b>	Design and Construct empty conductor casings at five locations crossing State Route 28 between Grove Street and Dollar Drive. These casings will allow for installation of future water main crossings for anticipated distribution system improvements.											
<b>Justification or Significance of Improvement:</b>	Caltrans has a 2024 construction project planned along Highway 28 to install drainage improvements and repave the roadway. Installation of these casings prior to the Caltrans project will allow the casings to be installed by open cut method instead of bore and jack, which is both costly and not always successful due to rock and soil conditions. Crossing locations are based on potential future distribution improvements.											
<b>Justification Data:</b>	<table border="1"> <tr> <td>Asset Category:</td> <td>WATER</td> </tr> <tr> <td>Asset Type:</td> <td>Transmission</td> </tr> <tr> <td>Project Type:</td> <td>Upgrade</td> </tr> <tr> <td>Justification Category:</td> <td>Best Practice</td> </tr> <tr> <td>Facility Age (Life):</td> <td>NA</td> </tr> </table>		Asset Category:	WATER	Asset Type:	Transmission	Project Type:	Upgrade	Justification Category:	Best Practice	Facility Age (Life):	NA
Asset Category:	WATER											
Asset Type:	Transmission											
Project Type:	Upgrade											
Justification Category:	Best Practice											
Facility Age (Life):	NA											

Project Costs							Project Schedule	
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total		
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		Begin Design: Oct-21
Design	\$ 20,471	\$ 73,858	\$ 16,000	\$ -	\$ -	\$ 110,329		Bid Construction: Jan-23
Construction	\$ -	\$ -	\$ 1,063,290	\$ -	\$ -	\$ 1,063,290		Start Construction: Jun-23
<b>Total Project Costs</b>	<b>\$ 20,471</b>	<b>\$ 73,858</b>	<b>\$ 1,079,290</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,173,619</b>		Complete Construction: Oct-23
<b>Funding Source(s):</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
<b>Net Capital Expenditure</b>	<b>\$ 20,471</b>	<b>\$ 73,858</b>	<b>\$ 1,079,290</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,173,619</b>		

	P/N
<b>Project Title:</b>	Dardanelles Water Line Replacement
<b>Project Manager:</b>	Charley Miller
<b>Current Phase:</b>	DESIGN
<b>Budget Location:</b>	CAPITAL - WATER
<b>Design Consultant:</b>	N/A
<b>Const. Contractor:</b>	TBD

**Map/Photo:**



**Project Description:**  
 Replace approximately of approximately 1,500 linear feet of existing 2.5-inch & 6-inch water line with 8-inch water line, including associated service laterals and fire hydrants in Dardanelles Avenue.

**Justification or Significance of Improvement:**  
 The water main is undersized and at end of its useful life. The Project will replace two existing aged & undersized dead-end mains and complete a Dardanelles Ave. water line loop with a continuous water line and bring the system to current District standards.

**Justification Data:**

Asset Category:	WATER
Asset Type:	Multiple
Project Type:	Upgrade
Justification Category:	Capacity
Facility Age (Life):	N/A

**Project Costs**

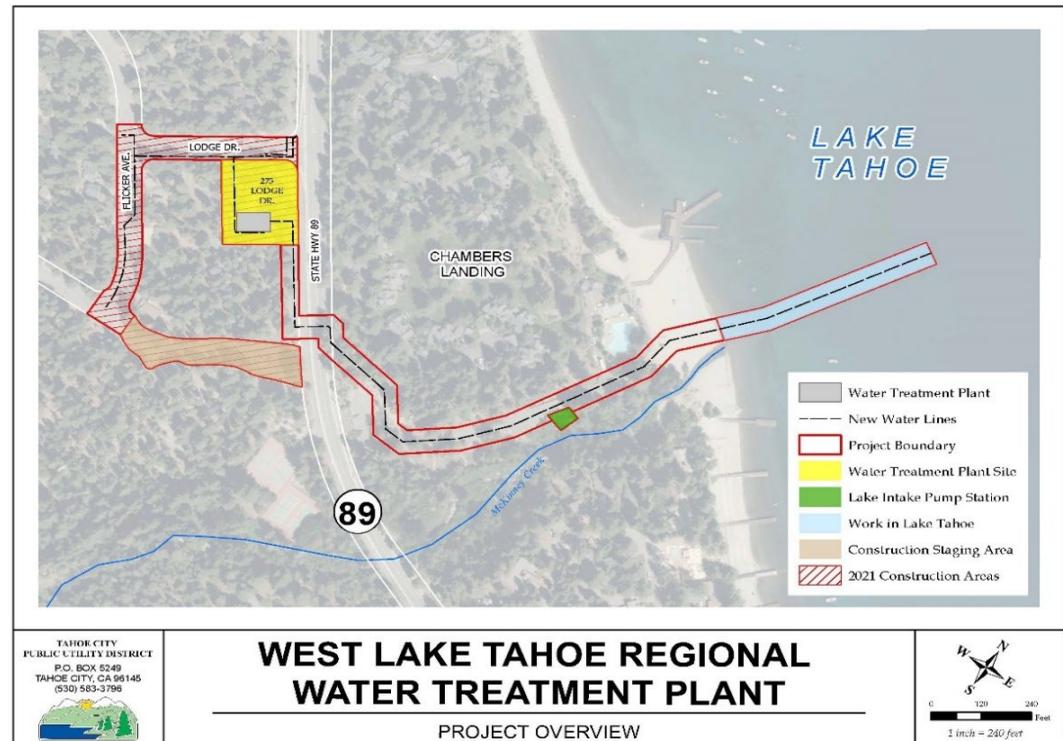
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ 35,000
Construction	\$ -	\$ -	\$ 1,275,306	\$ -	\$ -	\$ 1,275,306
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 35,000</b>	<b>\$ 1,275,306</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,310,306</b>
<b>Funding Source(s):</b>						
USFS	\$ -	\$ -	\$ 317,669	\$ -	\$ -	\$ 317,669
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ 35,000</b>	<b>\$ 957,637</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 992,637</b>

**Project Schedule**

<b>Begin Design:</b>	Sep-22
<b>Bid Construction:</b>	Jan-24
<b>Start Construction:</b>	May-24
<b>Complete Construction:</b>	Oct-24

8126	P/N
<b>Project Title:</b>	West Lake Tahoe Regional Water Treatment Plant
<b>Project Manager:</b>	Sarah Hussong Johnson
<b>Current Phase:</b>	CONSTRUCTION
<b>Budget Location:</b>	CAPITAL - WATER
<b>Design Consultant:</b>	Kennedy-Jenks
<b>Const. Contractor:</b>	Thompson Builders Corporation

**Map/Photo:**



**Project Description:**  
 Construction of a permanent surface water treatment plant that will service the TCPUD McKinney-Quail, Tahoe Cedars, and Madden Creek water service areas and potentially other water systems in the area as a regional water supply. This plant would replace the existing seasonal interim surface water treatment plant at Chambers Landing, constructed in the spring of 2004. The project also includes reconstruction of the existing McKinney Sewer Pump Station building to house the power and control facilities for the new lake intake pumps and pre-treatment equipment.

**Justification or Significance of Improvement:**  
 The TCPUD McKinney-Quail, Tahoe Cedars, and Madden Creek water service areas have been interconnected and are each supplied by their individual groundwater wells. The McKinney-Quail system is also served by the seasonal plant at Chambers Landing, and the emergency interconnect to the McKinney Water District. A failure of any of the groundwater wells could cause a major disruption during the winter months, including a potential emergency boil order if untreated surface water was used. A permanent secondary source is required. A new surface water treatment plant has been identified as the best solution for this issue. A plant capable of supplying, or being expanded to serve more regional needs is planned. This will allow a lower cost of service per customer as well as planning for future source needs in the broader area currently served by private water systems.

**Justification Data:**

Asset Category:	WATER
Asset Type:	Source
Project Type:	Upgrade
Justification Category:	Capacity
Facility Age (Life):	N/A

Project Costs						
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ 237,639	\$ -	\$ -	\$ -	\$ -	\$ 237,639
Design	\$ 4,015,143	\$ 9,447	\$ -	\$ -	\$ -	\$ 4,024,591
Construction	\$ 3,842,716	\$ 7,691,313	\$ 7,252,108	\$ 3,254,826	\$ -	\$ 22,040,963
<b>Total Project Costs</b>	<b>\$ 8,095,498</b>	<b>\$ 7,700,760</b>	<b>\$ 7,252,108</b>	<b>\$ 3,254,826</b>	<b>\$ -</b>	<b>\$ 26,303,192</b>
<b>Funding Source(s):</b>						
Secured Outside Funding	\$ 532,500	\$ -	\$ -	\$ -	\$ -	\$ 532,500
EDCWA Grant	\$ -	\$ -	\$ 500,000			\$ 500,000
SRF Construction Loan	\$ 3,691,422	\$ 3,218,042	\$ 5,131,497	\$ 3,050,531	\$ -	\$ 15,091,492
DWR Construction Grant	\$ -	\$ 4,045,994	\$ 954,006	\$ -	\$ -	\$ 5,000,000
<b>Net Capital Expenditure</b>	<b>\$ 3,871,576</b>	<b>\$ 436,724</b>	<b>\$ 666,605</b>	<b>\$ 204,295</b>	<b>\$ -</b>	<b>\$ 5,179,200</b>

**Project Schedule**

<b>Begin Design:</b>	Jan-13
<b>Bid Construction:</b>	Dec-20
<b>Start Construction:</b>	Jun-21
<b>Complete Construction:</b>	Oct-24

	P/N
<b>Project Title:</b>	Lower Meeks Bay PRV
<b>Project Manager:</b>	Sarah Hussong-Johnson
<b>Current Phase:</b>	DESIGN
<b>Budget Location:</b>	CAPITAL - WATER
<b>Design Consultant:</b>	TBD
<b>Const. Contractor:</b>	TBD

**Map/Photo:**



**Project Description:**  
 The work will consist of the installation of approximately 600 feet of new 8" water main and a pressure reducing valve (PRV) station to connect the Meeks Bay Vista pressure zone to the Tahoe Hills distribution system.

**Justification or Significance of Improvement:**  
 The Meeks Bay Vista pressure zone is currently fed from one PRV on the south end of the system running the length of Meeks Bay Avenue (5,700 feet). The system experiences severe head loss under fire flows. Providing a northerly connection will greatly improve fire flow at all hydrants along Meeks Bay Avenue and create a redundant connection to the system in the event of a failure or maintenance of one PRV.

**Justification Data:**

Asset Category:	WATER
Asset Type:	Distribution
Project Type:	Upgrade
Justification Category:	Capacity
Age of the Asset :	N/A

**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ 5,000	\$ 154,325	\$ -	\$ -	\$ 159,325
Construction	\$ -	\$ -	\$ -	\$ 573,307	\$ -	\$ 573,307
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 5,000</b>	<b>\$ 154,325</b>	<b>\$ 573,307</b>	<b>\$ -</b>	<b>\$ 732,632</b>
<b>Funding Source(s):</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ 5,000</b>	<b>\$ 154,325</b>	<b>\$ 573,307</b>	<b>\$ -</b>	<b>\$ 732,632</b>

**Project Schedule**

<b>Begin Design:</b>	Jan-22
<b>Bid Construction:</b>	Dec-23
<b>Start Construction:</b>	May-24
<b>Complete Construction:</b>	Sep-24

	P/N												
<b>Project Title:</b>	Smart Meter Replacement Program	<b>Map/Photo:</b>											
<b>Project Manager:</b>	Tony Laliotis												
<b>Current Phase:</b>	PLANNING												
<b>Budget Location:</b>	CAPITAL - WATER												
<b>Design Consultant:</b>	TBD												
<b>Const. Contractor:</b>	TBD												
<b>Project Description:</b>	<p>This project will consist of replacing existing water meter infrastructure with new meter heads, meter box lids, meter register, and transmitters. Full meter body replacement will be assessed based on current accuracy testing results.</p>												
<b>Justification or Significance of Improvement:</b>	<p>In an effort to increase response time to residential leaks smart meters will be installed at approximately 3,500 connections. This technology will send meter information four times per day, via cellular signal, to a cloud based server. When set up properly, the customers and the District will receive potential leak notifications via email or text within 24 hours of the leak starting. In addition, customers will be able to view there water usage data through a web based customer portal or smartphone app.</p>												
<b>Justification Data:</b>	<table border="1"> <tr> <td>Asset Category:</td> <td>WATER</td> </tr> <tr> <td>Asset Type:</td> <td>Multiple</td> </tr> <tr> <td>Project Type:</td> <td>Upgrade</td> </tr> <tr> <td>Justification Category:</td> <td>Multiple</td> </tr> <tr> <td>Facility Age (Life):</td> <td>N/A</td> </tr> </table>		Asset Category:	WATER	Asset Type:	Multiple	Project Type:	Upgrade	Justification Category:	Multiple	Facility Age (Life):	N/A	
Asset Category:	WATER												
Asset Type:	Multiple												
Project Type:	Upgrade												
Justification Category:	Multiple												
Facility Age (Life):	N/A												

Project Costs							Project Schedule	
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total		
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		Jan-22
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		Feb-22
Construction	\$ -	\$ 295,497	\$ 700,000	\$ 700,000	\$ -	\$ 1,695,497		Feb-23
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 295,497</b>	<b>\$ 700,000</b>	<b>\$ 700,000</b>	<b>\$ -</b>	<b>\$ 1,695,497</b>		May-23
<b>Funding Source(s):</b>								Oct-24
PCWA	\$ -		\$ -	\$ -	\$ -	\$ -		
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ 295,497</b>	<b>\$ 700,000</b>	<b>\$ 700,000</b>	<b>\$ -</b>	<b>\$ 1,695,497</b>		

	P/N
<b>Project Title:</b>	Rubicon Wells 2 & 3 - Backup Power Project
<b>Project Manager:</b>	Anna Klovstad
<b>Current Phase:</b>	PLANNING
<b>Budget Location:</b>	CAPITAL - WATER
<b>Design Consultant:</b>	TBD
<b>Const. Contractor:</b>	TBD

**Project Description:**  
 The Rubicon Wells 2 & 3 Station is located on two parcels just south of Meeks Bay. The District will design and construct a building to house a permanent backup generator. Both wells will run off of one generator in the new building.

**Justification or Significance of Improvement:**  
 Located just south of Meeks Bay, backup electric power is critical. Winter access can be difficult and the lack of a permanent generator can make emergency response during power outages difficult.

**Justification Data:**

Asset Category:	WATER
Asset Type:	Source
Project Type:	Upgrade
Justification Category:	Vulnerability/Risk
Facility Age (Life):	N/A

**Map/Photo:**



**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ 171,341	\$ -	\$ -	\$ 171,341
Construction	\$ -	\$ -	\$ -	\$ 856,704	\$ -	\$ 856,704
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 171,341</b>	<b>\$ 856,704</b>	<b>\$ -</b>	<b>\$ 1,028,045</b>
<b>Funding Source(s):</b>						
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 171,341</b>	<b>\$ 856,704</b>	<b>\$ -</b>	<b>\$ 1,028,045</b>

**Project Schedule**

<b>Begin Design:</b>	Jan-23
<b>Bid Construction:</b>	Jan-24
<b>Start Construction:</b>	May-24
<b>Complete Construction:</b>	Sep-24

	P/N
<b>Project Title:</b>	Rubicon Tank No. 1 Water Feed Line Replace
<b>Project Manager:</b>	Charley Miller
<b>Current Phase:</b>	DESIGN
<b>Budget Location:</b>	CAPITAL - WATER
<b>Design Consultant:</b>	TCPUD STAFF
<b>Const. Contractor:</b>	TBD

**Project Description:**  
 Replace approximately 275 feet of 6-inch water main with a 10-inch diameter water main. From the Rubicon Tank No. 1 to the existing distribution main in Lakeridge Dr.

**Justification or Significance of Improvement:**  
 The current 6-inch water main serves as the common inlet/outlet from the Rubicon Tank No. 1. The current diameter of 6-inches is undersized to meet the higher flow demands of the Rubicon system. Increasing the diameter of this section of pipe will provide additional flow and pressure under high demand conditions such as fire flow.

**Justification Data:**

Asset Category:	WATER
Asset Type:	Storage
Project Type:	Replace
Justification Category:	Capacity
Facility Age (Life):	N/A

**Map/Photo:**



**Project Costs**

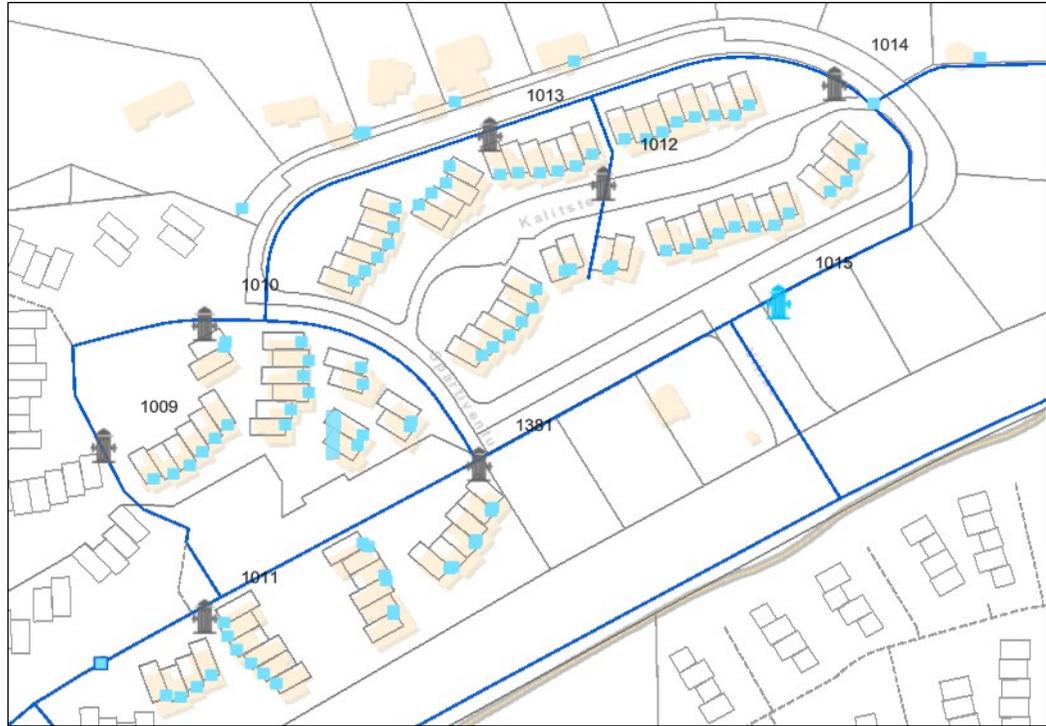
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ 45,180	\$ -	\$ -	\$ 45,180
Construction	\$ -	\$ -	\$ -	\$ 247,800	\$ -	\$ 247,800
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,180</b>	<b>\$ 247,800</b>	<b>\$ -</b>	<b>\$ 292,980</b>
<b>Funding Source(s):</b>						
PCWA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,180</b>	<b>\$ 247,800</b>	<b>\$ -</b>	<b>\$ 292,980</b>

**Project Schedule**

<b>Begin Design:</b>	Jan-23
<b>Bid Construction:</b>	Jan-24
<b>Start Construction:</b>	Jun-24
<b>Complete Construction:</b>	Sep-24

	P/N
<b>Project Title:</b>	The Villas Water Line Replacement
<b>Project Manager:</b>	Will Stelter
<b>Current Phase:</b>	DESIGN
<b>Budget Location:</b>	CAPITAL - WATER
<b>Design Consultant:</b>	TBD
<b>Const. Contractor:</b>	TBD

**Map/Photo:**



**Project Description:**

Replace approximately 2,500 linear feet of existing 2.5-inch & 6-inch water line with 8-inch water line, including associated service laterals and fire hydrants in The Villas complex. The project will include 7 fire hydrants and 3 system connections.

**Justification or Significance of Improvement:**

The water main is ageing thin walled steel, actively failing and at the end of its useful life. Replacement of this watermain will bring the water system to current District standards.

**Justification Data:**

Asset Category:	WATER
Asset Type:	Multiple
Project Type:	Upgrade
Justification Category:	Multiple
Facility Age (Life):	N/A

**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ 198,240	\$ -	\$ -	\$ 198,240
Construction	\$ -	\$ -	\$ -	\$ 1,600,080	\$ -	\$ 1,600,080
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 198,240</b>	<b>\$ 1,600,080</b>	<b>\$ -</b>	<b>\$ 1,798,320</b>
<b>Funding Source(s):</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 198,240</b>	<b>\$ 1,600,080</b>	<b>\$ -</b>	<b>\$ 1,798,320</b>

**Project Schedule**

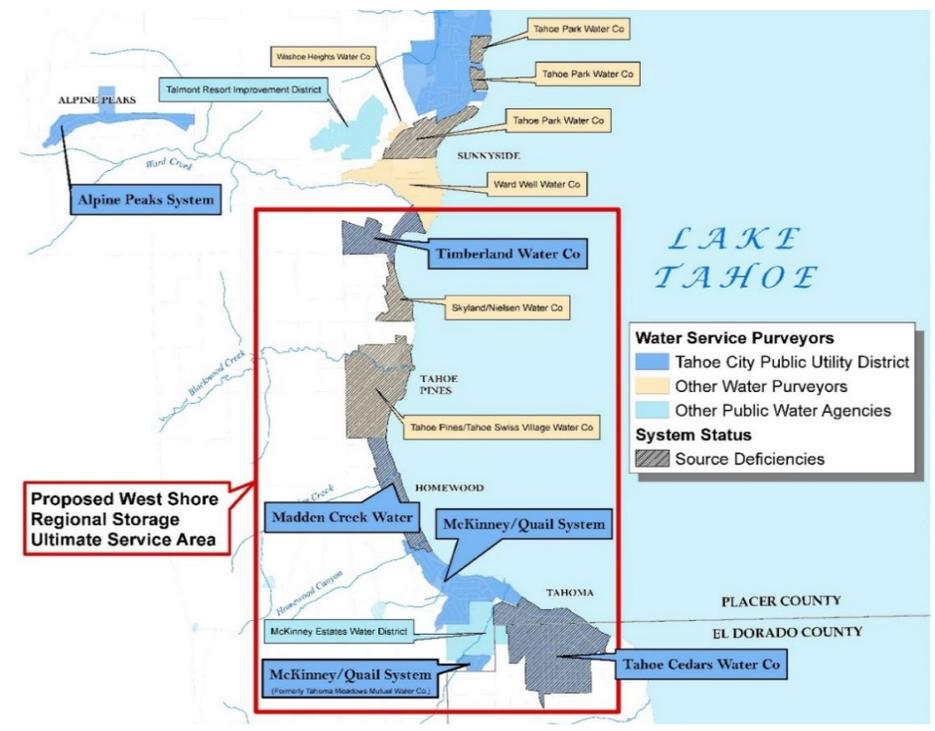
<b>Begin Design:</b>	Feb-22
<b>Bid Construction:</b>	Mar-23
<b>Start Construction:</b>	Jun-23
<b>Complete Construction:</b>	Oct-23

	P/N	
<b>Project Title:</b>	Concrete Tank Rehabilitation	<b>Map/Photo:</b>
<b>Project Manager:</b>	Charley Miller	
<b>Current Phase:</b>	PLANNING	
<b>Budget Location:</b>	CAPITAL - WATER	
<b>Design Consultant:</b>	N/A	
<b>Const. Contractor:</b>	TBD	
<b>Project Description:</b>		
This project is to conduct a concrete tank assessment of the water tanks at the Four Seasons and Tahoe Tavern Tank locations to determine rehabilitation needs.		
<b>Justification or Significance of Improvement:</b>		
The intent of tank inspections and assessments is to keep the facilities in operation as long as possible by identifying defects early, and addressing them before they result in failure of the structure. These two tanks are constructed of prestressed concrete. There are few companies in the United States qualified to provide the level of assessment necessary to provide a detailed and thorough assessment, therefore the preliminary assessment costs are higher than typical steel tank assessments.		
<b>Justification Data:</b>		
Asset Category:	WATER	
Asset Type:	Storage	
Project Type:	Rehab	
Justification Category:	Vulnerability/Risk	
Facility Age (Life):	N/A	

Project Costs							Project Schedule	
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total		
Preliminary	\$ -	\$ -	\$ 16,300	\$ -	\$ -	\$ 16,300	<b>Begin Design:</b>	Feb-23
Design	\$ -	\$ -	\$ -	\$ 38,650	\$ -	\$ 38,650	<b>Bid Construction:</b>	Jan-25
Construction	\$ -	\$ -	\$ -	\$ -	\$ 97,350	\$ 97,350	<b>Start Construction:</b>	May-25
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 16,300</b>	<b>\$ 38,650</b>	<b>\$ 97,350</b>	<b>\$ 152,300</b>	<b>Complete Construction:</b>	Oct-25
<b>Funding Source(s):</b>								
PCWA	\$ -		\$ -	\$ -	\$ -	\$ -		
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 16,300</b>	<b>\$ 38,650</b>	<b>\$ 97,350</b>	<b>\$ 152,300</b>		

8178	P/N
<b>Project Title:</b>	West Shore Storage Augmentation
<b>Project Manager:</b>	Will Stelter
<b>Current Phase:</b>	PLANNING
<b>Budget Location:</b>	CAPITAL - WATER
<b>Design Consultant:</b>	Carollo Engineers
<b>Const. Contractor:</b>	TBD

**Map/Photo:**



**Project Description:**  
 Provide increased regional water storage capacity and transmission connectivity between Timberland and Tahoe Cedars on the west shore of Lake Tahoe. For budgeting, assumed to included 2 new water storage tanks and 12,000 LF of transmission line. Prepare a preliminary design report addressing tank site selection & sizing, existing tank analysis, and transmission main routing & sizing as recommended in the 2010 PCWA - Northwest Lake Tahoe Area Water System Master Plan Project Report.

**Justification or Significance of Improvement:**  
 As discussed in the PCWA report, the west shore of Lake Tahoe has multiple disconnected water systems, which do not have sufficient fire flow and storage capacity. This project would provide a regional system capable of providing sufficient fire flow and storage to these systems including the TCPUD's Timberland, Madden Creek, McKinney/Quail, and Tahoe Cedars water systems. This regional system would also take advantage of the water source established with the WLTRWTP project.

**Justification Data:**

Asset Category:	WATER
Asset Type:	Multiple
Project Type:	Upgrade
Justification Category:	Redundancy/Reliability
Facility Age (Life):	N/A

Project Costs								
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total
Preliminary	\$ 76,787	\$ 237,080	\$ 86,603	\$ -	\$ -	\$ -	\$ -	\$ 400,470
Design	\$ -	\$ -	\$ 164,000	\$ 360,400	\$ -	\$ -	\$ -	\$ 524,400
Construction	\$ -	\$ -	\$ -	\$ -	\$ 475,450	\$ 492,550	\$ 3,341,250	\$ 4,309,250
<b>Total Project Costs</b>	<b>\$ 76,787</b>	<b>\$ 237,080</b>	<b>\$ 250,603</b>	<b>\$ 360,400</b>	<b>\$ 475,450</b>	<b>\$ 492,550</b>	<b>\$ 3,341,250</b>	<b>\$ 5,234,120</b>
<b>Funding Source(s):</b>								
PCWA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 76,787</b>	<b>\$ 237,080</b>	<b>\$ 250,603</b>	<b>\$ 360,400</b>	<b>\$ 475,450</b>	<b>\$ 492,550</b>	<b>\$ 3,341,250</b>	<b>\$ 5,234,120</b>

**Project Schedule**

<b>Begin Design:</b>	Jun-23
<b>Bid Construction:</b>	Nov-26
<b>Start Construction:</b>	May-27
<b>Complete Construction:</b>	Oct-30

	P/N
<b>Project Title:</b>	Tahoe Cedars Water System Distribution Improvements - P&D
<b>Project Manager:</b>	Charley Miller
<b>Current Phase:</b>	PLANNING
<b>Budget Location:</b>	CAPITAL - WATER
<b>Design Consultant:</b>	TBD
<b>Const. Contractor:</b>	TBD

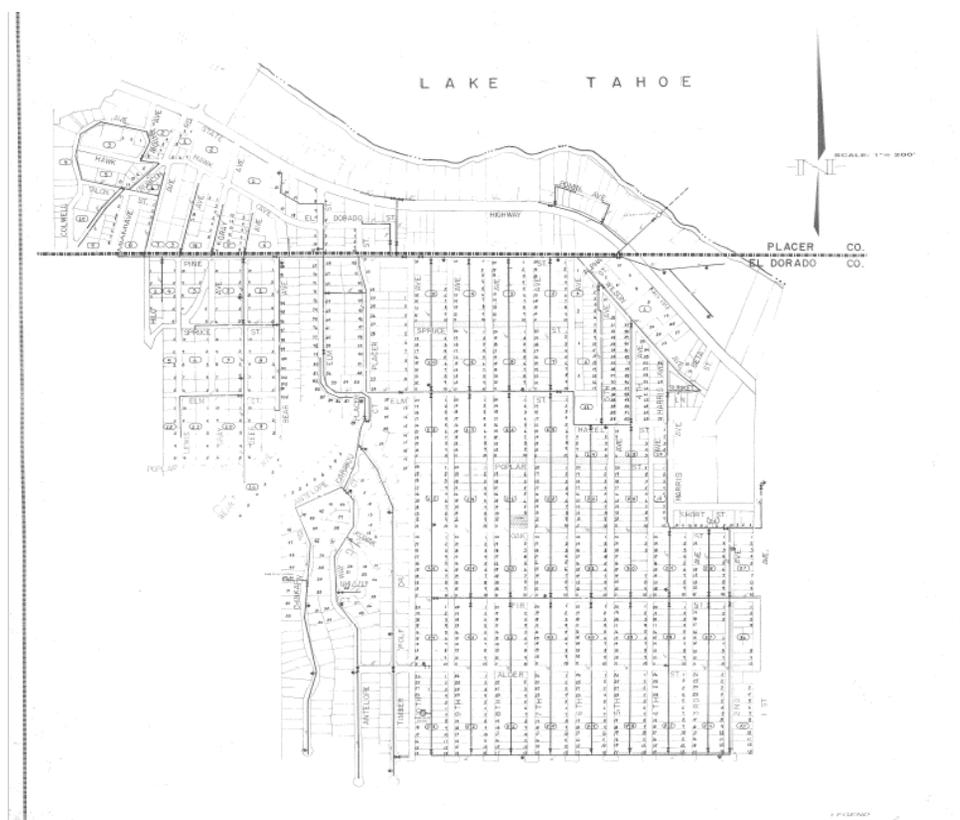
**Project Description:**  
 This project will completely replace the existing failing water distribution system. Tahoe Cedars water system has approximately 79,000 linear feet of water main to replace and install 1,192 meters and 97 fire hydrants. The project will be phased over several years. Outside funding and grants will be pursued to finance the project.

**Justification or Significance of Improvement:**  
 The Tahoe Cedars Water System was acquired by the TCPUD in January of 2018. It is unmetered, the distribution system is severely undersized, and is in very poor condition. The proposed project will address metering, fire flow, hydrant spacing, networking, valving, and water quality. When completed the replacement of the entire Tahoe Cedars water system will provide a safe reliable water system that meets District standards.

**Justification Data:**

Asset Category:	WATER
Asset Type:	Distribution
Project Type:	Rehab
Justification Category:	Multiple
Facility Age (Life):	TBD

**Map/Photo:**



**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ 175,000	\$ 500,000	\$ 500,000	\$ 750,000	\$ 1,925,000
Construction	\$ -	\$ -	\$ -	\$ -	\$ 2,500,000	\$ 2,500,000
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 175,000</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ 3,250,000</b>	<b>\$ 4,425,000</b>
<b>Funding Source(s):</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ 175,000</b>	<b>\$ 500,000</b>	<b>\$ 500,000</b>	<b>\$ 3,250,000</b>	<b>\$ 4,425,000</b>

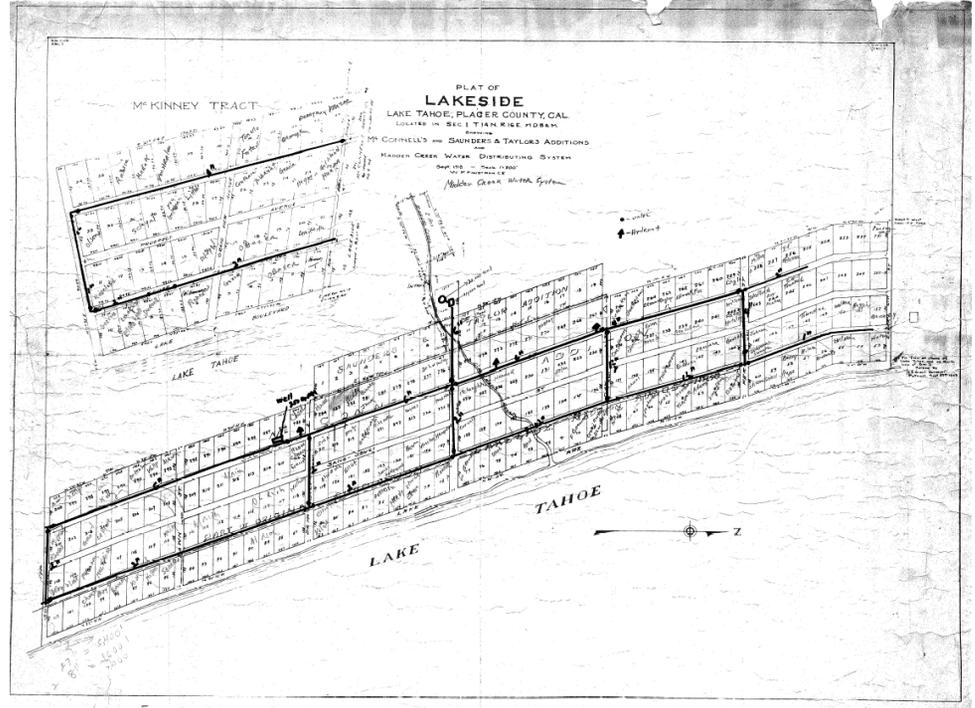
**Project Schedule**

<b>Begin Design:</b>	Jan-23
<b>Bid Construction:</b>	Feb-25
<b>Start Construction:</b>	May-25
<b>Complete Construction:</b>	Oct-27

8171	P/N
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<b>Project Title:</b>	Madden Creek Water System Distribution Improvements - P&D
<b>Project Manager:</b>	Will Stelter
<b>Current Phase:</b>	DESIGN
<b>Budget Location:</b>	CAPITAL - WATER
<b>Design Consultant:</b>	TBD
<b>Const. Contractor:</b>	TBD

**Map/Photo:**



**Project Description:**  
 This project will completely replace the existing water distribution system. The first two phases interconnected the Madden Creek Water system with the McKinney Quail Water System and replaced 3,700 linear feet of water main, and installed 93 service laterals and 11 fire hydrants. The remaining Madden Creek water system has approximately 18,400 linear feet of water main to replace, 124 service laterals, and 32 fire hydrants.

**Justification or Significance of Improvement:**  
 The 2019 Phase 1 Project provided an interconnection with the TCPUD McKinney-Quail water service area increasing capacity and storage capable of enhanced fire flows and access to the future regional water supply from the West Lake Tahoe Regional Water Treatment Plant project. Phase 2 of the Project began the replacement of the undersized and aging water lines necessary to improve system operation and improve fire protection. The final phase of this project will complete the replacement of the entire Madden Creek Water System and provide a safe reliable water system that meets District standards.

**Justification Data:**

Asset Category:	WATER
Asset Type:	Distribution
Project Type:	Replace
Justification Category:	Age/Condition
Facility Age (Life):	100+ years old

**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design		\$ 172,000	\$ 215,000	\$ 608,833	\$ -	\$ 995,833
Construction	\$ -	\$ -	\$ -	\$ -	\$ 3,250,000	\$ 3,250,000
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 172,000</b>	<b>\$ 215,000</b>	<b>\$ 608,833</b>	<b>\$ 3,250,000</b>	<b>\$ 4,245,833</b>

**Project Schedule**

<b>Begin Design:</b>	Jan-23
<b>Bid Construction:</b>	Feb-25
<b>Start Construction:</b>	May-25
<b>Complete Construction:</b>	Oct-27

**Funding Source(s):**

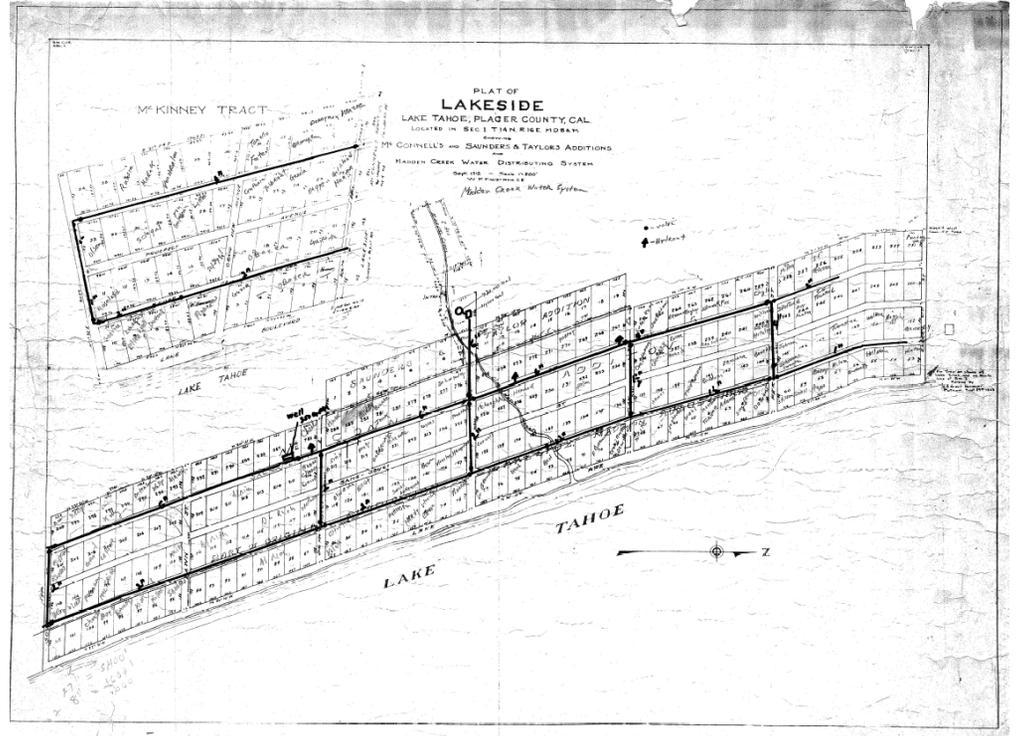
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ 172,000</b>	<b>\$ 215,000</b>	<b>\$ 608,833</b>	<b>\$ 3,250,000</b>	<b>\$ 4,245,833</b>



8174	P/N
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<b>Project Title:</b>	Madden Creek System Upgrades
<b>Project Manager:</b>	Tony Lalotis
<b>Current Phase:</b>	CONSTRUCTION
<b>Budget Location:</b>	CAPITAL - WATER
<b>Design Consultant:</b>	N/A
<b>Const. Contractor:</b>	DISTRICT

**Map/Photo:**



**Project Description:**  
 Immediately needed operational projects for the water systems acquired in 2018. Projects include:  
 -Purchase a spare well pump  
 -Water meter installations in existing metered customer locations  
 -Tank ladder and railing installation  
 -Bacteriological sampling site installations  
 -Well flow meter installation  
 -Professional leak detection  
 -SCADA system integration  
 -Electric service or robust solar system at tank site  
 -Propane tank replacement

**Justification or Significance of Improvement:**  
 These projects are needed to improve system reliability, integrate the system into our existing work practices, enhance water quality testing, provide key data points and create a more efficient operation.

**Justification Data:**

Asset Category:	WATER
Asset Type:	Multiple
Project Type:	Upgrade
Justification Category:	Multiple
Facility Age (Life):	N/A

Project Costs							Project Schedule	
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total		
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		N/A
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		N/A
Construction	\$ 83,630	\$ 5,000	\$ 10,000	\$ -	\$ -	\$ 98,630		Jan-18
<b>Total Project Costs</b>	<b>\$ 83,630</b>	<b>\$ 5,000</b>	<b>\$ 10,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 98,630</b>		Dec-23
<b>Funding Source(s):</b>								
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
<b>Net Capital Expenditure</b>	<b>\$ 83,630</b>	<b>\$ 5,000</b>	<b>\$ 10,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 98,630</b>		

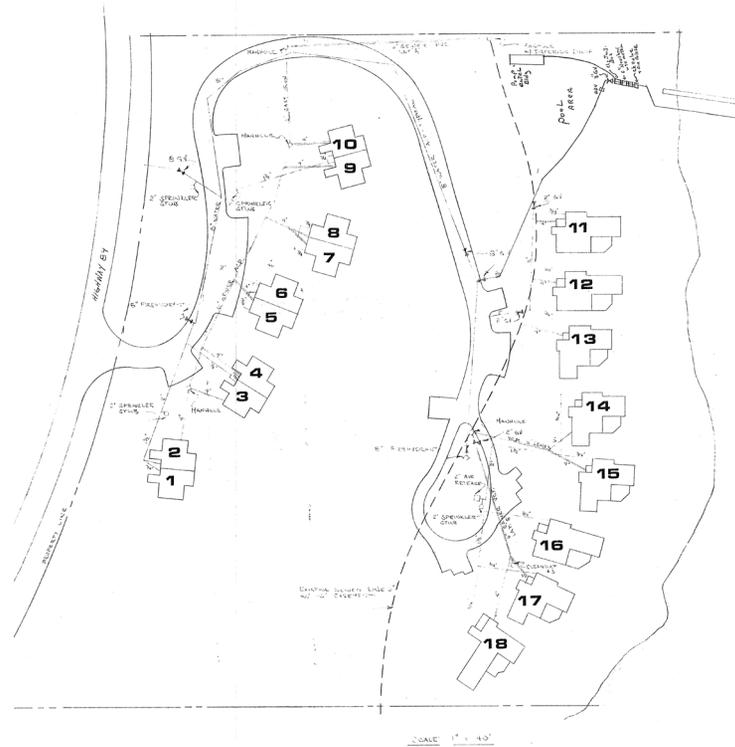
8167	P/N
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<b>Project Title:</b>	Cedar Point Condo Water Service Line Replacements
<b>Project Manager:</b>	Tony Laliotis
<b>Current Phase:</b>	CONSTRUCTION
<b>Budget Location:</b>	CAPITAL - WATER
<b>Design Consultant:</b>	NA
<b>Const. Contractor:</b>	District

**Map/Photo:**

**Project Description:**  
 This project will replace or slip line all galvanized steel laterals in the complex between 2" and 1" in size. Based on ownership, install block meters as appropriate.

**Justification or Significance of Improvement:**  
 Cedar Point steel laterals have experienced major failures over the years causing significant water loss. In the process of replacing or slip lining these lines the District will take the opportunity to install block meters. The District never took ownership of 3/4" laterals and water services to individual units when this complex was developed. Therefore, a transition to block meters will now be commensurate with ownership within the complex.



**Justification Data:**

Asset Category:	WATER
Asset Type:	Distribution
Project Type:	Replace
Justification Category:	Age/Condition
Facility Age (Life):	39

Project Costs						
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 2,423	\$ 10,319	\$ 8,000	\$ -	\$ -	\$ 20,742
<b>Total Project Costs</b>	<b>\$ 2,423</b>	<b>\$ 10,319</b>	<b>\$ 8,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,742</b>
<b>Funding Source(s):</b>						
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 2,423</b>	<b>\$ 10,319</b>	<b>\$ 8,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,742</b>

**Project Schedule**

<b>Begin Design:</b>	NA
<b>Bid Construction:</b>	NA
<b>Start Construction:</b>	May-20
<b>Complete Construction:</b>	Oct-23

	P/N	
<b>Project Title:</b>	Transfer Switch Replacement	<b>Map/Photo:</b> 
<b>Project Manager:</b>	Tony Laliotis	
<b>Current Phase:</b>	CONSTRUCTION	
<b>Budget Location:</b>	CAPITAL - WATER	
<b>Design Consultant:</b>	District	
<b>Const. Contractor:</b>	District	
<b>Project Description:</b> Replacement of aging emergency generator automatic transfer switches at water pump stations		
<b>Justification or Significance of Improvement:</b> This switch automatically starts the generator and transfers the building electrical load to the generator in the event of a power outage. The switch then transfers power back to Utility power when normal power is restored and shuts down the generator. Many of the District's existing switches are aging and reliability is becoming a concern as is the ability to obtain repair parts.		
<b>Justification Data:</b>		
Asset Category:	WATER	
Asset Type:	Transmission	
Project Type:	Replace	
Justification Category:	Age/Condition	
Facility Age (Life):	20-40 (30)	

Project Costs						
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ 7,500	\$ 17,000	\$ -	\$ -	\$ 24,500
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 7,500</b>	<b>\$ 17,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 24,500</b>
<b>Funding Source(s):</b>						
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ 7,500</b>	<b>\$ 17,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 24,500</b>

Project Schedule
<b>Begin Design:</b> N/A
<b>Bid Construction:</b> N/A
<b>Start Construction:</b> Aug-22
<b>Complete Construction:</b> Dec-23

8102	P/N
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<b>Project Title:</b>	Large Commercial/Domestic Meter Replacement Program
<b>Project Manager:</b>	Tony Laliotis
<b>Current Phase:</b>	CONSTRUCTION
<b>Budget Location:</b>	CAPITAL - WATER
<b>Design Consultant:</b>	NA
<b>Const. Contractor:</b>	DISTRICT

**Map/Photo:**

**Project Description:**  
 This project consists of replacement of approximately 25% of the large commercial and domestic 2-inch meters with more accurate compound meters.



**Justification or Significance of Improvement:**  
 Leak detection and water audit data have shown that several 2-inch meters are failing to register lower domestic flows. This problem will become more prevalent as meters routinely wear and lose the ability to register low flow. This inaccuracy leads to false water audit data and lost revenue due to unaccounted for water. Many of the commercial meters are approaching 15-18 years of age and are likely to need replacement in the next five years.

**Justification Data:**

Asset Category:	WATER
Asset Type:	Distribution
Project Type:	Replace
Justification Category:	Age/Condition
Facility Age (Life):	9 to 20

**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 41,797	\$ 13,480	\$ 35,547	\$ 35,547	\$ -	\$ 126,370
<b>Total Project Costs</b>	<b>\$ 41,797</b>	<b>\$ 13,480</b>	<b>\$ 35,547</b>	<b>\$ 35,547</b>	<b>\$ -</b>	<b>\$ 126,370</b>
Funding Source(s):	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 41,797</b>	<b>\$ 13,480</b>	<b>\$ 35,547</b>	<b>\$ 35,547</b>	<b>\$ -</b>	<b>\$ 126,370</b>

**Project Schedule**

<b>Begin Design:</b>	NA
<b>Bid Construction:</b>	NA
<b>Start Construction:</b>	Aug-15
<b>Complete Construction:</b>	Nov-24

	P/N	
<b>Project Title:</b>	Riley Springs Vault Rehabilitation	<b>Map/Photo:</b>
<b>Project Manager:</b>	Tony Laliotis	
<b>Current Phase:</b>	PLANNING	
<b>Budget Location:</b>	CAPITAL - WATER	
<b>Design Consultant:</b>	N/A	
<b>Const. Contractor:</b>	TBD	
<b>Project Description:</b>		
Rehabilitate the spring vault lids and plumbing for better security and reliability of the spring water source.		
<b>Justification or Significance of Improvement:</b>		
Meeting the goal of providing safe and reliable water service to our customers.		
<b>Justification Data:</b>		
Asset Category:	WATER	
Asset Type:	Source	
Project Type:	Upgrade	
Justification Category:	Safety/Security	
Facility Age (Life):	N/A	

Project Costs							Project Schedule	
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total		
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		N/A
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		N/A
Construction	\$ -	\$ -	\$ 62,000	\$ -	\$ -	\$ 62,000		May-23
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 62,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 62,000</b>		Oct-23
<b>Funding Source(s):</b>								
PCWA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 62,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 62,000</b>		

81XX	P/N
<b>Project Title:</b>	Rubicon Tank No. 2 Exterior Coating
<b>Project Manager:</b>	Tony Laliotis
<b>Current Phase:</b>	DESIGN
<b>Budget Location:</b>	CAPITAL - WATER
<b>Design Consultant:</b>	Bay Area Coating Consultants
<b>Const. Contractor:</b>	TBD

**Project Description:**  
 This work will consist of recoating the exterior of the Rubicon Tank No. 2.

**Justification or Significance of Improvement:**  
 Steel water tanks generally require recoating at intervals of 15-30 years depending on the climate and quality of the last recoating. Blasting and recoating of tanks regularly eliminates any corrosion and extends the useful life of a storage tank significantly. The interior was recoated in 2017 as part of the Rubicon Tank 2 & 3 Interior, 1 & 3 Exterior Recoating project.

**Justification Data:**

Asset Category:	WATER
Asset Type:	Storage
Project Type:	Rehab
Justification Category:	Age/Condition
Last Recoating :	1993

**Map/Photo:**



**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ 75,000
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>
<b>Funding Source(s):</b>						
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 75,000</b>

**Project Schedule**

<b>Begin Design:</b>	May-23
<b>Bid Construction:</b>	Jul-23
<b>Start Construction:</b>	Aug-23
<b>Complete Construction:</b>	Sep-23

	P/N
<b>Project Title:</b>	Lower Highlands Tank Recoat & Ladder Modifications
<b>Project Manager:</b>	Tony Laliotis
<b>Current Phase:</b>	DESIGN
<b>Budget Location:</b>	CAPITAL - WATER
<b>Design Consultant:</b>	Bay Area Coating Consultants
<b>Const. Contractor:</b>	TBD

**Map/Photo:**



**Project Description:**  
 This work will consist of recoating the interior and exterior of the Lower Highlands Tank, as well as replacing the ladder assembly and adding appropriate safety landings and railings.

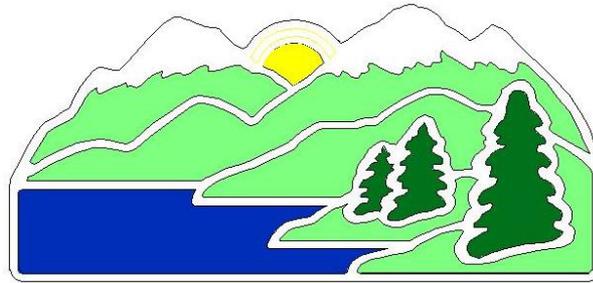
**Justification or Significance of Improvement:**  
 Steel water tanks generally require recoating at intervals of 15-30 years depending on the climate and quality of the last recoating. Blasting and recoating of tanks regularly eliminates any corrosion and extends the useful life of a storage tank significantly. The current ladder length is slightly longer than OSHA regulations and requires an intermediate landing to be in compliance. In addition the tank has no safety railings on the roof surface which presents a potential safety hazard.

**Justification Data:**

Asset Category:	WATER
Asset Type:	Storage
Project Type:	Rehab
Justification Category:	Age/Condition
Last Recoating :	Approx. 30 years

Project Costs							Project Schedule	
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total		
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		May-23
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		Jul-23
Construction	\$ -	\$ -	\$ 330,000	\$ -	\$ -	\$ 330,000		Aug-23
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 330,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 330,000</b>		Sep-23
<b>Funding Source(s):</b>								
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 330,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 330,000</b>		

# 2023 Sewer Projects



## Project Justification Legend

### **Asset Type**

- Transmission
- Collection
- Equipment
- Multiple

### **Project Type**

- Upgrade
- Replace
- Rehab

### **Justification Category**

- Capacity
- Age/Condition
- Safety/Security
- Regulatory
- Vulnerability/Risk
- Best Practice
- Redundancy/Reliability
- Multiple
- Other

8350	P/N
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<b>Project Title:</b>	Line Replacement/Sliplining, Manhole Rehab & Lateral Repairs
<b>Project Manager:</b>	Tony Laliotis
<b>Current Phase:</b>	CONSTRUCTION
<b>Budget Location:</b>	CAPITAL - SEWER
<b>Design Consultant:</b>	District
<b>Const. Contractor:</b>	District & Multiple

**Map/Photo:**



**Project Description:**  
 Perform long term rehabilitation procedures on structural deficiencies found in the District's sewer system.

**Justification or Significance of Improvement:**  
 With 20% of the District sewer lines being televised annually and in wet years allowing the District to find infiltration, it is necessary to perform spot repairs and/or rehabilitation to immediately correct deficiencies. This project will be utilized to perform ongoing rehabilitation of the sewer system to minimize the risk of overflows and minimize inflow into the sewer system.

**Justification Data:**

Asset Category:	SEWER
Asset Type:	Collection
Project Type:	Rehab
Justification Category:	Age/Condition
Facility Age (Life):	NA

**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025-2027 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 375,601	\$ 141,872	\$ 50,000	\$ 50,000	\$ 150,000	\$ 767,473
<b>Total Project Costs</b>	<b>\$ 375,601</b>	<b>\$ 141,872</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 150,000</b>	<b>\$ 767,473</b>
<b>Funding Source(s):</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 375,601</b>	<b>\$ 141,872</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ 150,000</b>	<b>\$ 767,473</b>

**Project Schedule**

<b>Begin Design:</b>	NA
<b>Bid Construction:</b>	NA
<b>Start Construction:</b>	Ongoing
<b>Complete Construction:</b>	NA

8369	P/N
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<b>Project Title:</b>	SPS Storage Improvement - (Lonely Gulch, Water's Edge, North Lane, Coast Guard)
<b>Project Manager:</b>	Charley Miller
<b>Current Phase:</b>	Ph. 2 - DESIGN
<b>Budget Location:</b>	CAPITAL - SEWER
<b>Design Consultant:</b>	Heggen Lentz Engineering
<b>Const. Contractor:</b>	Phase 2 - TBD

**Map/Photo:**



**Project Description:**  
 In 2022 the Lonely Gulch and North Lane sewer pump stations received precast overflow wet wells. In 2023 Water's Edge and Coast Guard pump stations are scheduled for installation of expanded precast overflow wet wells.

**Justification or Significance of Improvement:**  
 Increasing storage capacity at the pump stations dramatically reduces the chances of a sanitary sewer overflow occurring due to a pump station failure or export line problem. The increased storage capacity will allow District staff additional time to correct the problem prior to an overflow occurring. These projects were recommendations identified in the Board adopted Sewer Pump Station Master Plan.

**Justification Data:**

Asset Category:	SEWER
Asset Type:	Transmission
Project Type:	Upgrade
Justification Category:	Vulnerability/Risk
Facility Age (Life):	N/A (60)

Project Costs							Project Schedule	
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total		
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		Begin Design: May-21
Design	\$ 60,001	\$ 175,665	\$ 160,000	\$ -	\$ -	\$ 395,666		Bid Ph. 1 Construction: Jul-22
Construction	\$ -	\$ 392,782	\$ 2,044,404		\$ -	\$ 2,437,186		Start Ph. 1 Construction: Sep-22
<b>Total Project Costs</b>	<b>\$ 60,001</b>	<b>\$ 568,447</b>	<b>\$ 2,204,404</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,832,852</b>		Complete Ph. 1 Construction: Oct-22
Funding Source(s):	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		Bid Ph. 2 Construction: Jun-23
<b>Net Capital Expenditure</b>	<b>\$ 60,001</b>	<b>\$ 568,447</b>	<b>\$ 2,204,404</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,832,852</b>		Start Ph. 2 Construction: Aug-23
								Complete Ph. 2 Construction: Oct-23

8331	P/N
<b>Project Title:</b>	Dollar/Edgewater Sewer Repair Phase 3
<b>Project Manager:</b>	Charley Miller
<b>Current Phase:</b>	DESIGN
<b>Budget Location:</b>	CAPITAL - SEWER
<b>Design Consultant:</b>	Auerbach Engineering Corp.
<b>Const. Contractor:</b>	TBD

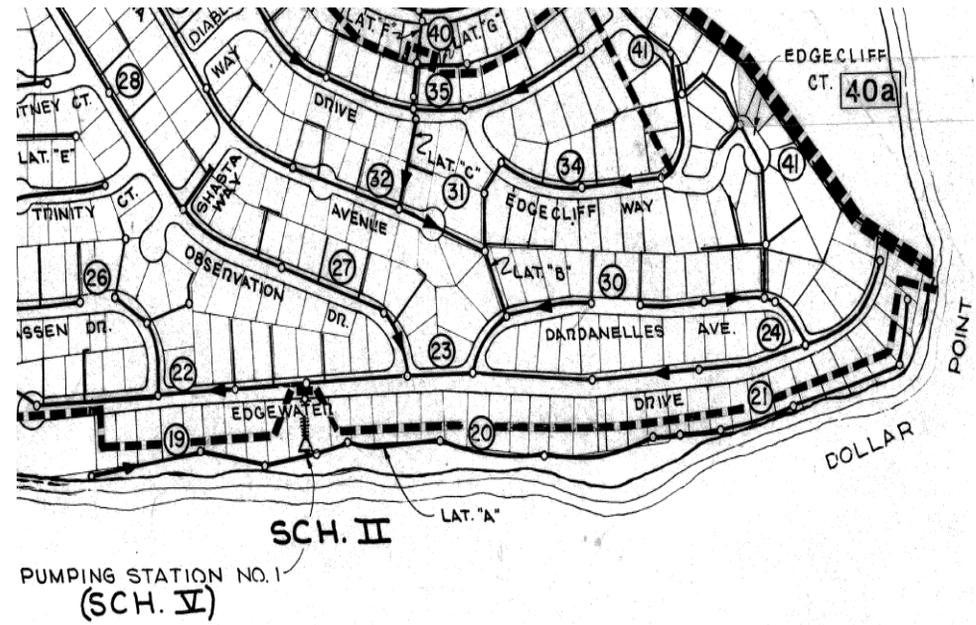
**Project Description:**  
 This work will consist of development of alternatives, design and construction of a mitigation measure to protect and cover the repaired pipe in the shorezone.

**Justification or Significance of Improvement:**  
 The pipe that was repaired in 2019 has been exposed on the surface of the lakebed. The District is working with the appropriate regulatory agencies and the fronting property owners to develop a sustainable solution that will cover and protect the pipe from wave action and erosion.

**Justification Data:**

Asset Category:	SEWER
Asset Type:	Collection
Project Type:	Rehabilitation
Justification Category:	Vulnerability/Risk
Facility Age (Life):	52(40)

**Map/Photo:**



**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ 50,794	\$ 99,638	\$ 104,370	\$ -	\$ -	\$ 254,803
Construction	\$ -	\$ -	\$ 571,500	\$ -	\$ -	\$ 571,500
<b>Total Project Costs</b>	<b>\$ 50,794</b>	<b>\$ 99,638</b>	<b>\$ 675,870</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 826,303</b>
Funding Source(s):	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 50,794</b>	<b>\$ 99,638</b>	<b>\$ 675,870</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 826,303</b>

**Project Schedule**

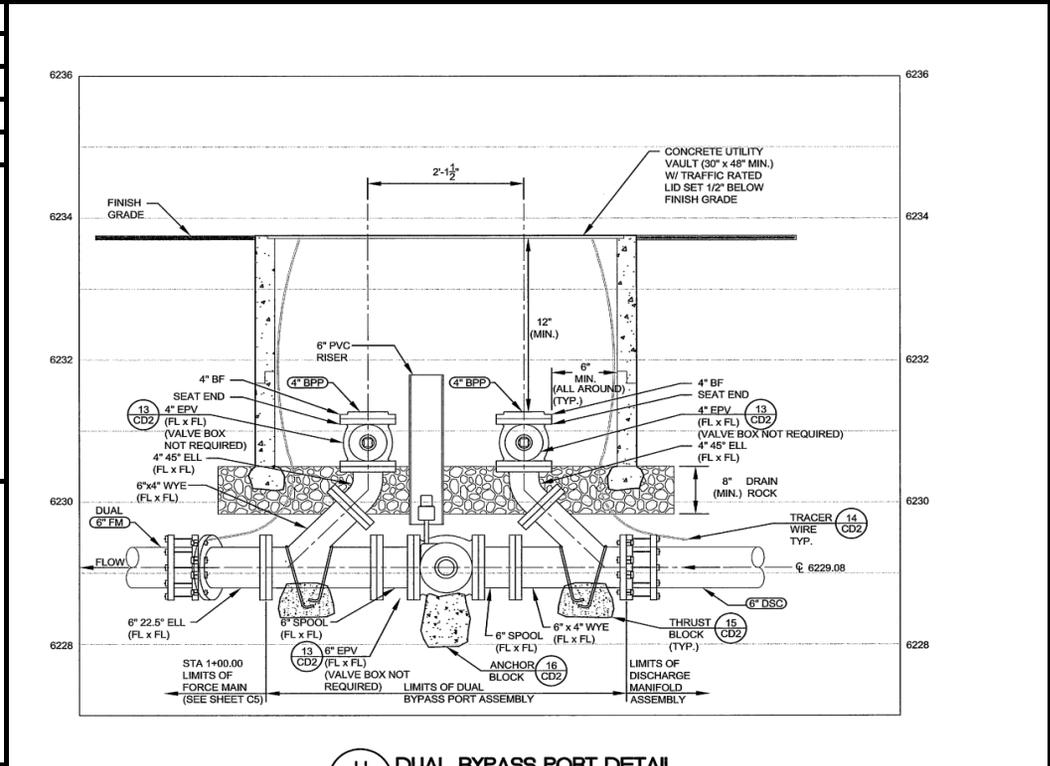
<b>Begin Design:</b>	Nov-20
<b>Bid Construction:</b>	Mar-23
<b>Start Construction:</b>	May-23
<b>Complete Construction:</b>	Sep-23

8357	P/N
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<b>Project Title:</b>	Emergency Bypass Facilities (PS & FM)
<b>Project Manager:</b>	Charley Miller
<b>Current Phase:</b>	Ph. 2 - DESIGN
<b>Budget Location:</b>	CAPITAL - SEWER
<b>Design Consultant:</b>	Heggen Lentz Engineering
<b>Const. Contractor:</b>	Phase 2 - TBD

**Map/Photo:**

**Project Description:**  
 In 2022 The Gold Coast force main received 4 emergency bypass ports. The work for 2023 will consist of installing emergency bypass facilities at Meeks Bay, Sunnyside, Blackwood, Madden, and McKinney pump stations. Additional intermediate bypass ports will be installed on the Meeks Bay force mains due to their length (over 6,000 LF).



**Justification or Significance of Improvement:**  
 A sewer pump station or force main failure often requires sewage flow to be bypassed into trucks or to the nearest gravity collection system downstream of the pump station basin. Timing and ease of bypass are critical to achieving a bypass without spilling sewage. These facilities will allow District personnel to bypass a sewer pump station quicker and more effectively.

**H DUAL BYPASS PORT DETAIL**

**Justification Data:**

Asset Category:	SEWER
Asset Type:	Transmission
Project Type:	Upgrade
Justification Category:	Redundancy/Reliability
Facility Age (Life):	N/A

**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ 49,966	\$ 118,023	\$ -	\$ -	\$ -	\$ 167,989
Construction	\$ -	\$ 370,921	\$ 1,303,201	\$ -	\$ -	\$ 1,674,121
<b>Total Project Costs</b>	<b>\$ 49,966</b>	<b>\$ 488,944</b>	<b>\$ 1,303,201</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,842,110</b>
<b>Funding Source(s):</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 49,966</b>	<b>\$ 488,944</b>	<b>\$ 1,303,201</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,842,110</b>

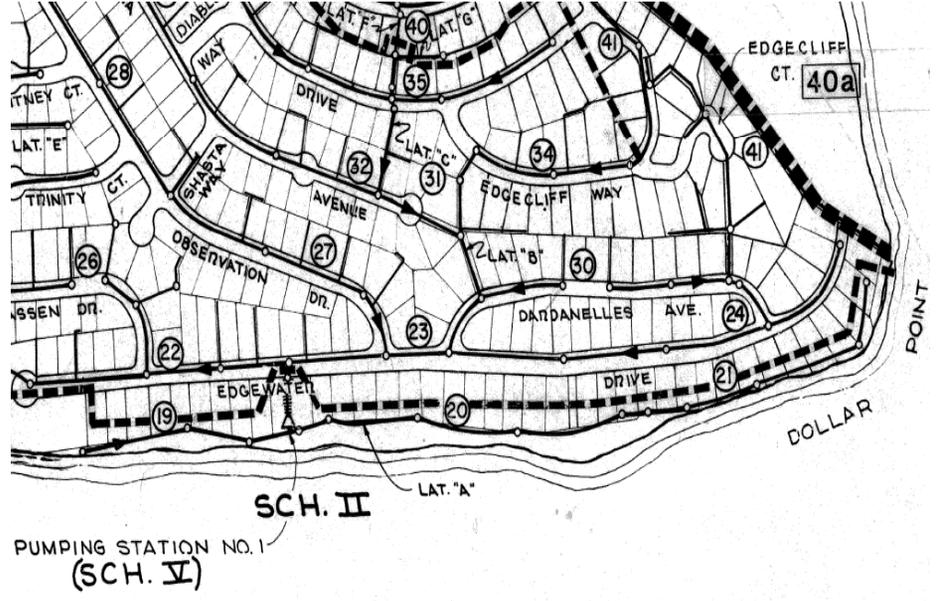
**Project Schedule**

<b>Begin Design:</b>	May-21
<b>Bid Ph. 1 Construction:</b>	Jul-22
<b>Start Ph. 1 Construction:</b>	Sep-22
<b>Complete Ph. 1 Construction:</b>	Oct-22
<b>Bid Ph. 2 Construction:</b>	Jun-23
<b>Start Ph. 2 Construction:</b>	Aug-23
<b>Complete Ph. 2 Construction:</b>	Oct-23

8331	P/N
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<b>Project Title:</b>	Dollar/Edgewater Lakefront SLR
<b>Project Manager:</b>	Charley Miller
<b>Current Phase:</b>	PLANNING
<b>Budget Location:</b>	CAPITAL - SEWER
<b>Design Consultant:</b>	Auerbach Engineering Corp.
<b>Const. Contractor:</b>	TBD

**Map/Photo:**



**Project Description:**

This work will consist of studying and evaluating the condition of the existing "Lateral A" sewer collection line located along the shoreline of Lake Tahoe; developing and implementing a solution to replace, repair, or protect the existing line as conditions dictate.

**Justification or Significance of Improvement:**

The existing "Lateral A" sewer collection line is an aging line located in the lake shore. It's shallow and vulnerable to damage. The project will help avoid any contamination of the area due to failing of or damage to the sewer line.

**Justification Data:**

Asset Category:	SEWER
Asset Type:	Collection
Project Type:	Rehabilitation
Justification Category:	Vulnerability/Risk
Facility Age (Life):	52(40)

Phase	Project Costs					
	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ 118,571	\$ -	\$ -	\$ -	\$ -	\$ 118,571
Emergency Work	\$ 402,135	\$ -	\$ -	\$ -	\$ -	\$ 402,135
Emergency Work - Ph. 2	\$ 599,105	\$ -	\$ -	\$ -	\$ -	\$ 599,105
Design	\$ 184,083	\$ 47,557	\$ 245,000	\$ 277,025	\$ 79,304	\$ 832,969
Construction	\$ -	\$ -	\$ -	\$ -	\$ 2,634,625	\$ 2,634,625
<b>Total Project Costs</b>	<b>\$ 1,303,894</b>	<b>\$ 47,557</b>	<b>\$ 245,000</b>	<b>\$ 277,025</b>	<b>\$ 2,713,929</b>	<b>\$ 4,587,404</b>
Funding Source(s):	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 1,303,894</b>	<b>\$ 47,557</b>	<b>\$ 245,000</b>	<b>\$ 277,025</b>	<b>\$ 2,713,929</b>	<b>\$ 4,587,404</b>

**Project Schedule**

<b>Begin Design:</b>	Sep-14
<b>Bid Construction:</b>	Jan-25
<b>Start Construction:</b>	May-25
<b>Complete Construction:</b>	Oct-25

	P/N
<b>Project Title:</b>	Sixth Avenue Sewer Line Replacement
<b>Project Manager:</b>	Charley Miller
<b>Current Phase:</b>	DESIGN
<b>Budget Location:</b>	CAPITAL - SEWER
<b>Design Consultant:</b>	N/A
<b>Const. Contractor:</b>	TBD

**Project Description:**  
 The project will replace 1,350 linear feet of 8 inch sewer main on Sixth Avenue in Tahoma. Work will include 4 sanitary sewer man holes, 7 service lateral connections, bypass pumping, pavement restoration, traffic control, and shoring.

**Justification or Significance of Improvement:**  
 In late summer 2022 District utilities crew were conducting routine sewer line cleaning on this section of pipe. Staff recognized gravel backfill at the opposite end of the sewer line. Upon TV inspection of the sewer main they identified internal signs the structural failure. The pipe was declared an emergency at the September Board meeting. The pipe will be slip lined to sustain the pipe until the replacement project is complete.

**Justification Data:**

Asset Category:	SEWER
Asset Type:	Collection
Project Type:	Upgrade
Justification Category:	Multiple
Facility Age (Life):	N/A

**Map/Photo:**



**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ 99,399	\$ 654,864	\$ -	\$ 754,263
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 99,399</b>	<b>\$ 654,864</b>	<b>\$ -</b>	<b>\$ 754,263</b>
<b>Funding Source(s):</b>						
PCWA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 99,399</b>	<b>\$ 654,864</b>	<b>\$ -</b>	<b>\$ 754,263</b>

**Project Schedule**

<b>Begin Design:</b>	Mar-23
<b>Bid Construction:</b>	Mar-24
<b>Start Construction:</b>	Sep-24
<b>Complete Construction:</b>	Oct-24

<b>8359</b>	<b>P/N</b>	
<b>Project Title:</b>	Metering Manholes	<b>Map/Photo:</b> 
<b>Project Manager:</b>	Matt Homolka/Tony Laliotis	
<b>Current Phase:</b>	PLANNING	
<b>Budget Location:</b>	CAPITAL - SEWER	
<b>Design Consultant:</b>	TBD	
<b>Const. Contractor:</b>	TBD	
<b>Project Description:</b> This work will consist of installing new or replacing existing manholes fitted with flow measurement equipment to measure gravity sewer flow rates and volumes.		
<b>Justification or Significance of Improvement:</b> This project will begin to better capture collection system data and create baseline sewer flow data for specific gravity sewer flow basins. It will allow the District to focus sewer line testing, repair and rehabilitation on the areas showing higher impacts from wet weather and infiltration and inflow. Use of this equipment and data is considered a best management practice in the industry.		
<b>Justification Data:</b>		
Asset Category:	SEWER	
Asset Type:	Collection	
Project Type:	Upgrade	
Justification Category:	Best Practice	
Facility Age (Life):	NA	

Project Costs							Project Schedule	
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total		
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		Feb-23
Design	\$ -	\$ -	\$ 107,100	\$ -	\$ -	\$ 107,100		Mar-24
Construction	\$ -	\$ -	\$ -	\$ 743,400	\$ -	\$ 743,400		Jul-24
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 107,100</b>	<b>\$ 743,400</b>	<b>\$ -</b>	<b>\$ 850,500</b>		Oct-24
<b>Funding Source(s):</b>								
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 107,100</b>	<b>\$ 743,400</b>	<b>\$ -</b>	<b>\$ 850,500</b>		

8345	P/N
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<b>Project Title:</b>	Satellite Pump Station Controls
<b>Project Manager:</b>	Tony Laliotis
<b>Current Phase:</b>	CONSTRUCTION
<b>Budget Location:</b>	CAPITAL - SEWER
<b>Design Consultant:</b>	District
<b>Const. Contractor:</b>	District

**Project Description:**  
 This work consists of installing new controls and interfaces at the satellite sewer pump stations.

**Justification or Significance of Improvement:**  
 The current control technology in use at the satellite pump stations dates back to the 1960s. Although fairly reliable, it requires significant maintenance and ongoing component repair. We are proposing to replace the existing controls with new, more reliable controls that allow for both local access and remote access.

**Justification Data:**

Asset Category:	SEWER
Asset Type:	Transmission
Project Type:	Replace
Justification Category:	Redundancy/Reliability
Facility Age (Life):	56 (50)

**Map/Photo:**



**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 332,906	\$ 29,916	\$ 50,000	\$ -	\$ -	\$ 412,822
<b>Total Project Costs</b>	<b>\$ 332,906</b>	<b>\$ 29,916</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 412,822</b>
Funding Source(s):	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 332,906</b>	<b>\$ 29,916</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 412,822</b>

**Project Schedule**

<b>Begin Design:</b>	NA
<b>Bid Construction:</b>	NA
<b>Start Construction:</b>	Sep-12
<b>Complete Construction:</b>	Oct-23

8333	P/N
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<b>Project Title:</b>	Spare Pumps
<b>Project Manager:</b>	Tony Laliotis
<b>Current Phase:</b>	PLANNING
<b>Budget Location:</b>	CAPITAL - SEWER
<b>Design Consultant:</b>	NA
<b>Const. Contractor:</b>	NA

**Map/Photo:**

**Project Description:**  
Purchase spare pumps and impellers.



**Justification or Significance of Improvement:**  
The District is currently building an inventory of spare pumps for smaller two pump sewage pumping stations. Many of the pumps are reaching the end of their useful life and need rebuilding. The District should perform several strategic purchases of pump impellers and motors to be able to rotate through and rebuild our smaller pump inventory while still maintaining two pump redundancy at all times.

**Justification Data:**

Asset Category:	SEWER
Asset Type:	Equipment
Project Type:	Replace
Justification Category:	Redundancy/Reliability
Facility Age (Life):	40

**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase	\$ 55,228	\$ 37,438	\$ 50,000	\$ 50,000	\$ -	\$ 192,666
<b>Total Project Costs</b>	<b>\$ 55,228</b>	<b>\$ 37,438</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ 192,666</b>
Funding Source(s):	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 55,228</b>	<b>\$ 37,438</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ 192,666</b>

**Project Schedule**

<b>Begin Design:</b>	NA
<b>Bid Construction:</b>	NA
<b>Start Construction:</b>	NA
<b>Complete Construction:</b>	NA

8314	P/N
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<b>Project Title:</b>	Pump Station Flow Meters & Bypass Ports
<b>Project Manager:</b>	Tony Laliotis
<b>Current Phase:</b>	CONSTRUCTION
<b>Budget Location:</b>	CAPITAL - SEWER
<b>Design Consultant:</b>	District
<b>Const. Contractor:</b>	District

**Map/Photo:**



**Project Description:**  
Installation of magnetic flow meters at all sewer pump stations.

**Justification or Significance of Improvement:**  
Accurate and reliable flow rate and volume measurements are all vital aspects of sewer pump station and collection system best management practices. Magnetic flow meters will allow early warning of pending clogging or pump failures. They will also provide daily flow volume measurements to establish baselines, identify excess infiltration or inflow, and allow operators to monitor pump and impeller wear on a statistical basis.

**Justification Data:**

Asset Category:	SEWER
Asset Type:	Transmission
Project Type:	Upgrade
Justification Category:	Best Practice
Facility Age (Life):	NA

**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 184,960	\$ 30,000	\$ 30,000	\$ -	\$ -	\$ 244,960
<b>Total Project Costs</b>	<b>\$ 184,960</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 244,960</b>

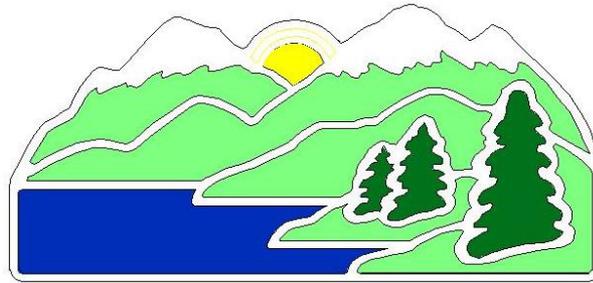
**Funding Source(s):**

	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 184,960</b>	<b>\$ 30,000</b>	<b>\$ 30,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 244,960</b>

**Project Schedule**

<b>Begin Design:</b>	NA
<b>Bid Construction:</b>	NA
<b>Start Construction:</b>	Dec-10
<b>Complete Construction:</b>	Dec-23

# 2023 Parks Projects



## Project Justification Legend

### **Asset Type**

- Facility
- Parks
- Trails
- Equipment

### **Project Type**

- Upgrade
- Replace
- Rehab

### **Justification Category**

- Capacity
- Age/Condition
- Safety/Security
- Regulatory
- Vulnerability/Risk
- Best Practice
- Redundancy/Reliability
- Multiple
- Other

	P/N
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<b>Project Title:</b>	Admin Boiler Replacement
<b>Project Manager:</b>	Kay Berntson
<b>Current Phase:</b>	DESIGN
<b>Budget Location:</b>	CAPITAL - P&R/SEWER/WATER
<b>Design Consultant:</b>	TBD
<b>Const. Contractor:</b>	TBD

**Project Description:**

This project will replace the single existing 650 MBH boiler in the Administrative Building with two smaller stageable condensing boilers. Associated piping and pumps will be replaced for system integrity.

**Justification or Significance of Improvement:**

The Admin building was constructed in the mid 1990's. The boiler requires multiple repairs yearly and has reached the end of it's mechanical life.

The new boiler installation will bring greater efficiency, reduce breakdowns, and provide the ability to link directly with the air handler units to create a synergistic system.

**Justification Data:**

Asset Category:	PARKS
Asset Type:	Facility
Project Type:	Replace
Justification Category:	Age/Condition
Facility Age (Life):	30 yrs

**Map/Photo:**



**Project Costs**

Phase	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total
Preliminary	\$ 2,000		\$ -	\$ -	\$ -	\$ 2,000
Design	\$ 24,629		\$ -	\$ -	\$ -	\$ 24,629
Construction	\$ 120,858		\$ -	\$ -	\$ -	\$ 120,858
<b>Total Project Costs</b>	<b>\$ 147,487</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 147,487</b>
<b>Funding Source(s):</b>						
<b>Net Capital Expenditure</b>	<b>\$ 147,487</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 147,487</b>

**Project Schedule**

<b>Begin Design:</b>	Jan-23
<b>Bid Construction:</b>	Apr-23
<b>Start Construction:</b>	Jun-23
<b>Complete Construction:</b>	Aug-23

	P/N
<b>Project Title:</b>	EV Charging
<b>Project Manager:</b>	Anna Klovstad
<b>Current Phase:</b>	PLANNING
<b>Budget Location:</b>	CAPITAL - P&R/SEWER/WATER
<b>Design Consultant:</b>	N/A
<b>Const. Contractor:</b>	TBD

**Map/Photo:**



**Project Description:**  
 This multi-year project will install approximately 10 public charging stations and 5 fleet charging stations at the Administrative Building, the Upper and Lower Yards, TCGC/WSP and the Tahoe City Community Center. The public stations will have the option to be free or charge a fee for usage.

**Justification or Significance of Improvement:**  
 California Air Resources Board (CARB) is developing a medium and heavy-duty zero-emission fleet regulation with the goal of achieving a zero-emission truck fleet by 2045. TCPUD has ordered two Ford F-150 Lightning vehicles in preparation for this regulation.  
 Liberty Utilities is offering free electric service connections for all charging stations in their territory. The charging stations are usually a small cost in comparison to the service installation. This is the Districts opportunity to install EV Chargers at multiple facilities for a very low initial cost.

**Justification Data:**

Asset Category:	PARKS
Asset Type:	Multiple
Project Type:	Upgrade
Justification Category:	Multiple
Facility Age (Life):	N/A

**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ 40,000	\$ 4,000	\$ -	\$ 44,000
Construction	\$ -	\$ -	\$ 180,363	\$ 144,284	\$ -	\$ 324,647
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 220,363</b>	<b>\$ 148,284</b>	<b>\$ -</b>	<b>\$ 368,647</b>
<b>Funding Source(s):</b>						
PCWA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 220,363</b>	<b>\$ 148,284</b>	<b>\$ -</b>	<b>\$ 368,647</b>

**Project Schedule**

<b>Begin Design:</b>	Jan-23
<b>Bid Construction Ph. 1:</b>	Apr-23
<b>Start Construction Ph. 1:</b>	Jun-23
<b>Complete Construction Ph.1:</b>	Aug-23
<b>Bid Construction Ph. 2:</b>	Apr-24
<b>Start Construction Ph. 2:</b>	Jun-24
<b>Complete Construction Ph. 2:</b>	Aug-24

	P/N											
<b>Project Title:</b>	Sequoia Crossing Safety Enhancement Upgrades	<b>Map/Photo:</b>										
<b>Project Manager:</b>	Kay Bernston											
<b>Current Phase:</b>	CONSTRUCTION											
<b>Budget Location:</b>	CAPITAL - P&R											
<b>Design Consultant:</b>	TBD											
<b>Const. Contractor:</b>	TBD											
<b>Project Description:</b>	<p>Installation of upgraded safety improvements recommended by Placer County at the Sequoia Avenue &amp; SR 89 pedestrian/trail crossing.</p>											
<b>Justification or Significance of Improvement:</b>	<p>In 2021, Placer County completed some of the recommended improvements at this crossing, including pavement striping and marking. Due to a funding shortage, the County was unable to complete all the improvements. The District will complete the remaining recommended improvements, which include upgrading advanced warning lights to LED at four (4) locations and installing two (2) solar-powered Rectangular Rapid Flash Beacons (RRFB) to improve vehicle/pedestrian visibility.</p>											
<b>Justification Data:</b>	<table border="1"> <tr> <td>Asset Category:</td> <td>PARKS</td> </tr> <tr> <td>Asset Type:</td> <td>Trails</td> </tr> <tr> <td>Project Type:</td> <td>Upgrade</td> </tr> <tr> <td>Justification Category:</td> <td>Safety/Security</td> </tr> <tr> <td>Facility Age (Life):</td> <td>Varies</td> </tr> </table>		Asset Category:	PARKS	Asset Type:	Trails	Project Type:	Upgrade	Justification Category:	Safety/Security	Facility Age (Life):	Varies
Asset Category:	PARKS											
Asset Type:	Trails											
Project Type:	Upgrade											
Justification Category:	Safety/Security											
Facility Age (Life):	Varies											

Project Costs						
Phase	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 61,660	\$ -	\$ -	\$ -	\$ -	\$ 61,660
<b>Total Project Costs</b>	<b>\$ 61,660</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 61,660</b>
<b>Funding Source(s):</b>	Placer County CAP					
OS Funding Secured	\$ 41,660	\$ -				\$ 41,660
<b>Net Capital Expenditure</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 61,660</b>

Project Schedule	
<b>Begin Design:</b>	N/A
<b>Bid Construction:</b>	Mar-23
<b>Start Construction:</b>	May-23
<b>Complete Construction:</b>	Jun-23

	P/N											
<b>Project Title:</b>	Solar Powered Trails MPH Signage	<b>Map/Photo:</b>										
<b>Project Manager:</b>	Kay Berntson											
<b>Current Phase:</b>	PLANNING											
<b>Budget Location:</b>	CAPITAL - P&R											
<b>Design Consultant:</b>	TBD											
<b>Const. Contractor:</b>	TBD											
<b>Project Description:</b>	Install NewSolar Powered MPH Signage Along the Trail System.											
<b>Justification or Significance of Improvement:</b>	With the popularity of e-bikes and their increased speeds on our multi-use trails, posted speed limits are essential at key locations to allow for walkers and non e-bikes to travel safely.											
<b>Justification Data:</b>	<table border="1"> <tr> <td>Asset Category:</td> <td>PARKS</td> </tr> <tr> <td>Asset Type:</td> <td>Equipment</td> </tr> <tr> <td>Project Type:</td> <td>Upgrade</td> </tr> <tr> <td>Justification Category:</td> <td>Safety/Security</td> </tr> <tr> <td>Facility Age (Life):</td> <td></td> </tr> </table>		Asset Category:	PARKS	Asset Type:	Equipment	Project Type:	Upgrade	Justification Category:	Safety/Security	Facility Age (Life):	
Asset Category:	PARKS											
Asset Type:	Equipment											
Project Type:	Upgrade											
Justification Category:	Safety/Security											
Facility Age (Life):												



**Project Costs**

Phase	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ 1,633	\$ -	\$ -	\$ -	\$ -	\$ 1,633
Construction	\$ 84,115	\$ -	\$ -	\$ -	\$ -	\$ 84,115
<b>Total Project Costs</b>	<b>\$ 85,748</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 85,748</b>
<b>Funding Source(s):</b>						
OS Funding Not Secured	\$ 60,144	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 25,604</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 85,748</b>

**Project Schedule**

<b>Begin Design:</b>	
<b>Bid Construction:</b>	N/A
<b>Start Construction:</b>	N/A
<b>Complete Construction:</b>	N/A

	P/N												
<b>Project Title:</b>	Multi-Use Trail Rehabilitation Project		<b>Map/Photo:</b>										
<b>Project Manager:</b>	Anna Klovstad												
<b>Current Phase:</b>	PLANNING												
<b>Budget Location:</b>	CAPITAL - P&R												
<b>Design Consultant:</b>	TBD												
<b>Const. Contractor:</b>	TBD												
<b>Project Description:</b>	<p>Asphalt paving rehabilitation of existing bike trails. Project to include addressing transverse cracking, vegetation and root damage, shoulder erosion resulting in edge longitudinal cracking, and localized poor drainage. Safety issues and pavement retention to be prioritized.</p>												
<b>Justification or Significance of Improvement:</b>	<p>A large portion of the trails are over 20 years old with some of the sections built over 40 years ago. Reoccurring cracking and breakdown of current asphalt has led to the trail system in need of reconstruction and resurfacing. This will provide a smoother, safer, and well maintained trail system. Several locations have also been identified to improve safety between motorist, pedestrians and cyclists.</p>												
<b>Justification Data:</b>	<table border="1"> <tr> <td>Asset Category:</td> <td>PARKS</td> </tr> <tr> <td>Asset Type:</td> <td>Trails</td> </tr> <tr> <td>Project Type:</td> <td>Rehab</td> </tr> <tr> <td>Justification Category:</td> <td>Age/Condition</td> </tr> <tr> <td>Facility Age (Life):</td> <td>20 years</td> </tr> </table>			Asset Category:	PARKS	Asset Type:	Trails	Project Type:	Rehab	Justification Category:	Age/Condition	Facility Age (Life):	20 years
Asset Category:	PARKS												
Asset Type:	Trails												
Project Type:	Rehab												
Justification Category:	Age/Condition												
Facility Age (Life):	20 years												

Project Costs								Project Schedule	
Phase	2022 Projected	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total		
Preliminary	\$ 72,284		\$ -	\$ -	\$ -	\$ -	\$ 72,284	<b>Begin Design:</b>	Mar-23
Design	\$ -	\$ 235,367	\$ 357,000	\$ -	\$ -	\$ -	\$ 592,367	<b>Bid Construction:</b>	Mar-24
Construction	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 4,000,000	<b>Start Construction:</b>	May-24
<b>Total Project Costs</b>	<b>\$ 72,284</b>	<b>\$ 235,367</b>	<b>\$ 1,357,000</b>	<b>\$ 1,000,000</b>	<b>\$ 1,000,000</b>	<b>\$ 1,000,000</b>	<b>\$ 4,664,651</b>	<b>Complete Construction:</b>	Oct-27
<b>Funding Source(s):</b>									
OS Funding Not Secured	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 4,000,000		
<b>Net Capital Expenditure</b>	<b>\$ 72,284</b>	<b>\$ 235,367</b>	<b>\$ 357,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 664,651</b>		

	P/N
<b>Project Title:</b>	TCGC Operational Improvement Projects
<b>Project Manager:</b>	Kay Berntson
<b>Current Phase:</b>	CONSTRUCTION
<b>Budget Location:</b>	CAPITAL - P&R
<b>Design Consultant:</b>	N/A
<b>Const. Contractor:</b>	TBD

**Project Description:**

Annual Operational Improvement Projects:

- Golf Cart Paths
- Bunker drainage and sand
- Smaller drainage improvement areas
- Segments of Irrigation Transmission Line

**Justification or Significance of Improvement:**

Aging and failing infrastructure requires annual repairs, rehabilitation, and replacement to maintain player safety and good course conditions.

**Justification Data:**

Asset Category:	PARKS
Asset Type:	Parks
Project Type:	Replace
Justification Category:	Age/Condition
Facility Age (Life):	20 yrs

**Map/Photo:**



Project Costs						
Phase	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
<b>Total Project Costs</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>				
<b>Funding Source(s):</b>						
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 50,000</b>	<b>\$ 250,000</b>				

**Project Schedule**

<b>Begin Design:</b>	N/A
<b>Bid Construction:</b>	N/A
<b>Start Construction:</b>	2017
<b>Complete Construction:</b>	Ongoing

	P/N
<b>Project Title:</b>	TCGC/WSP 3rd Hole Improvements
<b>Project Manager:</b>	Matt Homolka
<b>Current Phase:</b>	PLANNING
<b>Budget Location:</b>	CAPITAL - P&R
<b>Design Consultant:</b>	TBD
<b>Const. Contractor:</b>	TBD

**Project Description:**  
 Construct the multi-purpose trail along the 3rd hole connecting the TC Lodge and the Expanded Grove Street lots as called for in Placer County's TC Mobility Plan. Reconstruct and heighten the safety netting along the commercial properties. Reconstruct and relocate the existing perimeter drainage system along 3rd hole. Project would be phased depending on outside funding availability.

**Justification or Significance of Improvement:**  
 The trail is proposed as part of the TC Mobility Plan and would be eligible for TOT or other funding. It would further satisfy TCPUD's partnership responsibilities from TCGC Purchase. The safety netting in this area is out of date and a significant safety concern to the neighboring commercial properties. The perimeter golf course drainage system no longer functions and is the location of flooding during winter rain on snow events.

**Justification Data:**

Asset Category:	PARKS
Asset Type:	Parks
Project Type:	Upgrade
Justification Category:	Multiple
Facility Age (Life):	20+ yrs

**Map/Photo:**



**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ 50,375	\$ 112,375	\$ -	\$ 162,750
Construction	\$ -	\$ -	\$ 218,938	\$ 656,813	\$ -	\$ 875,751
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 269,313</b>	<b>\$ 769,188</b>	<b>\$ -</b>	<b>\$ 1,038,501</b>
<b>Funding Source(s):</b>						
	\$ -	\$ -	\$ -	\$ 656,813	\$ -	\$ 656,813
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 269,313</b>	<b>\$ 112,375</b>	<b>\$ -</b>	<b>\$ 381,688</b>

**Project Schedule**

<b>Begin Design:</b>	Jan-23
<b>Bid Construction:</b>	May-23
<b>Start Construction:</b>	Oct-23
<b>Complete Construction:</b>	Nov-24

8684	P/N
<b>Project Title:</b>	TCGC/WSP 2nd Hole Improvements
<b>Project Manager:</b>	Matt Homolka
<b>Current Phase:</b>	PLANNING
<b>Budget Location:</b>	CAPITAL - P&R
<b>Design Consultant:</b>	TBD
<b>Const. Contractor:</b>	TBD

**Project Description:**

In conjunction with Placer County's Grove Street Parking Lot, the TCPUD would make additional safety and playability improvements to Hole No. 2. Replace and heighten the safety netting at Conners Field. Add safety netting at the 3rd tee box. Extend 3rd hole drainage system to collect low point on 2nd hole. Reconstruct and reorient the 2nd hole tee box and replace and modernize the irrigation system.

**Justification or Significance of Improvement:**

Placer County will be responsible for constructing a new 2nd green and safety netting behind the 2nd green. TCPUD can take advantage of this work to complete a number of critical safety and playability improvements and operational efficiencies on the rest of the 2nd hole. Critical improvements are safety netting improvements and line of play improvement (reorienting the 2nd tee).

**Justification Data:**

Asset Category:	PARKS
Asset Type:	Parks
Project Type:	Rehab
Justification Category:	Age/Condition
Facility Age (Life):	20+ yrs

**Map/Photo:**



Project Costs						
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ 66,088	\$ -	\$ -	\$ 66,088
Construction	\$ -	\$ -	\$ -	\$ 439,288	\$ -	\$ 439,288
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 66,088</b>	<b>\$ 439,288</b>	<b>\$ -</b>	<b>\$ 505,376</b>
<b>Funding Source(s):</b>						
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 66,088</b>	<b>\$ 439,288</b>	<b>\$ -</b>	<b>\$ 505,376</b>

**Project Schedule**

<b>Begin Design:</b>	Jan-23
<b>Bid Construction:</b>	TBD
<b>Start Construction:</b>	TBD
<b>Complete Construction:</b>	TBD

	P/N											
<b>Project Title:</b>	TCGC Practice Area Rehab											
<b>Project Manager:</b>	Matt Homolka											
<b>Current Phase:</b>	PLANNING											
<b>Budget Location:</b>	CAPITAL - P&R											
<b>Design Consultant:</b>	N/A											
<b>Const. Contractor:</b>	TBD											
<b>Project Description:</b>	<p>Reconstruction and reestablishment of the previously existing short-game practice area for Tahoe City Golf Course (TCGC) to include a green surface, bunker, surrounding turf areas, and reestablished irrigation and subsurface drainage.</p>											
<b>Justification or Significance of Improvement:</b>	<p>The new practice area will be available for public use but would be reserved for exclusive use during the Youth Golf Clinics and Ladies' Clinics allowing for uninterrupted access to short game practice. The current putting green is no longer adequate for these growing clinics. Reestablishing the isolated practice space will instill confidence in the users, allowing uninterrupted time in a quiet and safe space where they can learn all aspects of the game.</p>											
<b>Justification Data:</b>	<table border="1"> <tr> <td>Asset Category:</td> <td>PARKS</td> </tr> <tr> <td>Asset Type:</td> <td>Parks</td> </tr> <tr> <td>Project Type:</td> <td>Replace</td> </tr> <tr> <td>Justification Category:</td> <td>Age/Condition</td> </tr> <tr> <td>Facility Age (Life):</td> <td>30 yrs</td> </tr> </table>		Asset Category:	PARKS	Asset Type:	Parks	Project Type:	Replace	Justification Category:	Age/Condition	Facility Age (Life):	30 yrs
Asset Category:	PARKS											
Asset Type:	Parks											
Project Type:	Replace											
Justification Category:	Age/Condition											
Facility Age (Life):	30 yrs											
<b>Map/Photo:</b>												

Project Costs						
Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ 4,293	\$ 5,000	\$ -	\$ -	\$ 9,293
Construction	\$ -	\$ -	\$ 67,707	\$ -	\$ -	\$ 67,707
<b>Total Project Costs</b>	<b>\$ -</b>	<b>\$ 4,293</b>	<b>\$ 72,707</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 77,000</b>
<b>Funding Source(s):</b>						
NCGA Grant	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ 25,000
Secured Private Donations	\$ -	\$ -	\$ 17,960	\$ -	\$ -	\$ 17,960
Unsecured Private Donations	\$ -	\$ -	\$ 5,000	\$ -	\$ -	\$ 5,000
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ 4,293</b>	<b>\$ 24,747</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 29,040</b>

Project Schedule	
<b>Begin Design:</b>	Sep-22
<b>Bid Construction:</b>	N/A
<b>Start Construction:</b>	Apr-23
<b>Complete Construction:</b>	Nov-23

	P/N												
<b>Project Title:</b>	TCGC Irrigation Renovation	<b>Map/Photo:</b>											
<b>Project Manager:</b>	Kay Berntson												
<b>Current Phase:</b>	Planning												
<b>Budget Location:</b>	CAPITAL - P&R												
<b>Design Consultant:</b>	TBD												
<b>Const. Contractor:</b>	TBD												
<b>Project Description:</b>	<p>Irrigation system replacement planning:</p> <ul style="list-style-type: none"> <li>• Design new irrigation system</li> <li>• Develop an irrigation system to enhance irrigation efficiency</li> <li>• Contractor Analysis</li> <li>• Refined budgetary requirements</li> </ul>												
<b>Justification or Significance of Improvement:</b>	<p>Tahoe City Golf Courses last irrigation renovation was in 1976. Average life span of an irrigation system in a mountain environment is 30 years. The current systems irrigation efficiency is extremely poor. Staff spend a large amount of time dealing with repairs and compensating for the irrigation systems inefficiencies.</p> <p>A new system will increase the irrigation efficiency (save water) reduce repairs greatly. Enhance turf playing/coverage conditions.</p>												
<b>Justification Data:</b>	<table border="1"> <tr> <td>Asset Category:</td> <td>PARKS</td> </tr> <tr> <td>Asset Type:</td> <td>Parks</td> </tr> <tr> <td>Project Type:</td> <td>Upgrade</td> </tr> <tr> <td>Justification Category:</td> <td>Age/Condition</td> </tr> <tr> <td>Facility Age (Life):</td> <td>30 years</td> </tr> </table>		Asset Category:	PARKS	Asset Type:	Parks	Project Type:	Upgrade	Justification Category:	Age/Condition	Facility Age (Life):	30 years	
Asset Category:	PARKS												
Asset Type:	Parks												
Project Type:	Upgrade												
Justification Category:	Age/Condition												
Facility Age (Life):	30 years												

**Project Costs**

Phase	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 20,000	\$ 500,000	\$ 1,000,000	\$ 500,000	\$ -	\$ 2,020,000
<b>Total Project Costs</b>	<b>\$ 20,000</b>	<b>\$ 500,000</b>	<b>\$ 1,000,000</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ 2,020,000</b>
<b>Funding Source(s):</b>						
Funding Not Secured	\$ -	\$ 500,000	\$ 500,000	\$ 500,000	\$ -	\$ 1,500,000
<b>Net Capital Expenditure</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ 500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 520,000</b>

**Project Schedule**

<b>Begin Design:</b>	Jan-23
<b>Bid Construction:</b>	Jan-24
<b>Start Construction:</b>	2024
<b>Complete Construction:</b>	2026

	P/N
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<b>Project Title:</b>	WSP Ski Rental Equipment
<b>Project Manager:</b>	Kurt Williams
<b>Current Phase:</b>	PLANNING
<b>Budget Location:</b>	CAPITAL - P&R
<b>Design Consultant:</b>	N/A
<b>Const. Contractor:</b>	N/A

**Map/Photo:**

**Project Description:**  
Purchase of Ten (10) New X-Country Skiing Rental sets.



**Justification or Significance of Improvement:**  
Due to significant wear of our existing x-country rental sets (originally donated by TXC) replacement is necessary. The new equipment will provide our customers with a greater x-country skiing experience.

**Justification Data:**

Asset Category:	PARKS
Asset Type:	Equipment
Project Type:	Replace
Justification Category:	Age/Condition
Facility Age (Life):	New

**Project Costs**

Phase	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 13,138	\$ -	\$ -	\$ -	\$ -	\$ 13,138
<b>Total Project Costs</b>	<b>\$ 13,138</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 13,138</b>
<b>Funding Source(s):</b>						
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 13,138</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 13,138</b>

**Project Schedule**

<b>Begin Design:</b>	N/A
<b>Bid Construction:</b>	Jan-23
<b>Start Construction:</b>	N/A
<b>Complete Construction:</b>	N/A

8684	P/N
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<b>Project Title:</b>	TCGC/WSP Drainage Repair/Rehab
<b>Project Manager:</b>	Matt Homolka
<b>Current Phase:</b>	CONSTRUCTION
<b>Budget Location:</b>	CAPITAL - P&R
<b>Design Consultant:</b>	TCPUD Staff
<b>Const. Contractor:</b>	Multiple

**Map/Photo:**



**Project Description:**  
 Staff has drafted a work plan to address failing main line perimeter and internal drainage systems at the TCGC/WSP to be completed over a period of years. Since 2017, approximately 2,000 feet of ditch and 1,500 feet of pipe have been rehabilitated or replaced along with associated inlets and outlets. For 2022, this program is planned to continue .

**Justification or Significance of Improvement:**  
 During the past winters, it has become apparent that a number of the perimeter and internal drainage systems at the TCGC/WSP were no longer functioning properly. The proposed work plan will address these issues over the next years.

**Justification Data:**

Asset Category:	PARKS
Asset Type:	Facility
Project Type:	Rehab
Justification Category:	Age/Condition
Facility Age (Life):	20+ yrs

**Project Costs**

Phase	Pre 2022 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ 10,863	\$ -	\$ -	\$ -	\$ -	\$ 10,863
Construction	\$ 200,804	\$ 10,658	\$ 55,000	\$ 55,000		\$ 321,462
<b>Total Project Costs</b>	<b>\$ 211,666</b>	<b>\$ 10,658</b>	<b>\$ 55,000</b>	<b>\$ 55,000</b>	<b>\$ -</b>	<b>\$ 332,324</b>
<b>Funding Source(s):</b>						
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 211,666</b>	<b>\$ 10,658</b>	<b>\$ 55,000</b>	<b>\$ 55,000</b>	<b>\$ -</b>	<b>\$ 332,324</b>

**Project Schedule**

<b>Begin Design:</b>	N/A
<b>Bid Construction:</b>	TBD
<b>Start Construction:</b>	Oct-17
<b>Complete Construction:</b>	Ongoing

	P/N
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<b>Project Title:</b>	Lely Fertilizer Spreader
<b>Project Manager:</b>	Kay Berntson
<b>Current Phase:</b>	PLANNING
<b>Budget Location:</b>	CAPITAL - P&R
<b>Design Consultant:</b>	N/A
<b>Const. Contractor:</b>	N/A

**Map/Photo:**

**Project Description:**  
Purchase of One (1) Lely Fertilizer Spreader to be used on the Parks, TCGC and Ballfields departments.



**Justification or Significance of Improvement:**  
The Parks, TCGC and Ballfields department all share a fertilizer spreader that has come to the end of its useful life. This new piece of equipment will allow for proper fertilizer applications.

**Justification Data:**

Asset Category:	PARKS
Asset Type:	Equipment
Project Type:	Replace
Justification Category:	Age/Condition
Facility Age (Life):	New

**Project Costs**

Phase	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase	\$ 6,935	\$ -	\$ -	\$ -	\$ -	\$ 6,935
<b>Total Project Costs</b>	<b>\$ 6,935</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,935</b>
<b>Funding Source(s):</b>						\$ -
<b>Net Capital Expenditure</b>	<b>\$ 6,935</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,935</b>

**Project Schedule**

<b>Begin Design:</b>	N/A
<b>Bid Construction:</b>	Jan-23
<b>Start Construction:</b>	N/A
<b>Complete Construction:</b>	N/A

	P/N
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<b>Project Title:</b>	Used Travel Trailers
<b>Project Manager:</b>	Kay Berntson
<b>Current Phase:</b>	PLANNING
<b>Budget Location:</b>	CAPITAL - P&R
<b>Design Consultant:</b>	N/A
<b>Const. Contractor:</b>	N/A

**Map/Photo:**

**Project Description:**  
 Purchase of two (2) Used travel trailers for housing of seasonal employees in the Lake Forest Campground.



**Justification or Significance of Improvement:**  
 Due to the impacts of the housing crisis in the Lake Tahoe Basin. This will be primarily utilized for our summer seasonal staffing.

**Justification Data:**

Asset Category:	PARKS
Asset Type:	Equipment
Project Type:	Upgrade
Justification Category:	Age/Condition
Facility Age (Life):	Used

**Project Costs**

Phase	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ 45,000
<b>Total Project Costs</b>	<b>\$ 45,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>
<b>Funding Source(s):</b>						\$ -
<b>Net Capital Expenditure</b>	<b>\$ 45,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 45,000</b>

**Project Schedule**

<b>Begin Design:</b>	N/A
<b>Bid Construction:</b>	Jan-23
<b>Start Construction:</b>	N/A
<b>Complete Construction:</b>	N/A

	P/N
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<b>Project Title:</b>	Honda Snowblowers
<b>Project Manager:</b>	Kay Berntson
<b>Current Phase:</b>	PLANNING
<b>Budget Location:</b>	CAPITAL - P&R
<b>Design Consultant:</b>	N/A
<b>Const. Contractor:</b>	N/A

**Map/Photo:**

**Project Description:**  
Purchase of Four (4) new Honda 1336 snowblowers for use in all Parks and Facilities.



**Justification or Significance of Improvement:**  
Due to the small equipment ban being implemented in 2024. Staff recommend attainment of current snowblower technologies to carry the department through the next several years until technology catches up in electric snowblowers.

**Justification Data:**

Asset Category:	PARKS
Asset Type:	Equipment
Project Type:	Replace
Justification Category:	Age/Condition
Facility Age (Life):	New

**Project Costs**

Phase	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Purchase	\$ 38,894	\$ -	\$ -	\$ -	\$ -	\$ 38,894
<b>Total Project Costs</b>	<b>\$ 38,894</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 38,894</b>
<b>Funding Source(s):</b>						\$ -
<b>Net Capital Expenditure</b>	<b>\$ 38,894</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 38,894</b>

**Project Schedule**

<b>Begin Design:</b>	N/A
<b>Bid Construction:</b>	Jan-23
<b>Start Construction:</b>	N/A
<b>Complete Construction:</b>	N/A

	P/N											
<b>Project Title:</b>	Kubota Workman Replacement	<b>Map/Photo:</b>										
<b>Project Manager:</b>	Kay Berntson											
<b>Current Phase:</b>	PLANNING											
<b>Budget Location:</b>	CAPITAL - P&R											
<b>Design Consultant:</b>	N/A											
<b>Const. Contractor:</b>	N/A											
<b>Project Description:</b>	Purchase of One (1) Kubota Workman.											
<b>Justification or Significance of Improvement:</b>	The Kubota Workman has been the primary equipment for the Ballfields department for the last ten years. This machine is used for ballfields preps, hauling of equipment and supplies and a vehicle for transport of staff. When the winter sports park opened it started seeing year round duty and would have tracks mounted to it for winter use. The increased wear on this equipment has caused more frequent breakdowns and costly downtime. It has been moved up in the fleet plan for replacement.											
<b>Justification Data:</b>	<table border="1"> <tr> <td>Asset Category:</td> <td>PARKS</td> </tr> <tr> <td>Asset Type:</td> <td>Equipment</td> </tr> <tr> <td>Project Type:</td> <td>Upgrade</td> </tr> <tr> <td>Justification Category:</td> <td>Age/Condition</td> </tr> <tr> <td>Facility Age (Life):</td> <td>New</td> </tr> </table>		Asset Category:	PARKS	Asset Type:	Equipment	Project Type:	Upgrade	Justification Category:	Age/Condition	Facility Age (Life):	New
Asset Category:	PARKS											
Asset Type:	Equipment											
Project Type:	Upgrade											
Justification Category:	Age/Condition											
Facility Age (Life):	New											

Project Costs							Project Schedule	
Phase	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total		
Preliminary	\$ -	\$ -				\$ -	<b>Begin Design:</b>	N/A
Design	\$ -					\$ -	<b>Bid Construction:</b>	Mar-23
Construction	\$ 29,708					\$ 29,708	<b>Start Construction:</b>	N/A
<b>Total Project Costs</b>	<b>\$ 29,708</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 29,708</b>	<b>Complete Construction:</b>	N/A
<b>Funding Source(s):</b>						\$ -		
<b>Net Capital Expenditure</b>	<b>\$ 29,708</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 29,708</b>		

	P/N	
<b>Project Title:</b>	Boston Whaler Motor Replacement	<b>Map/Photo:</b>
<b>Project Manager:</b>	Kurt Williams	
<b>Current Phase:</b>	PLANNING	
<b>Budget Location:</b>	CAPITAL - P&R	
<b>Design Consultant:</b>	TBD	
<b>Const. Contractor:</b>	TBD	
<b>Project Description:</b> Replace 2013 Evinrude motor with new 2022 90 ELPT Mercury outboard motor.		
<b>Justification or Significance of Improvement:</b> Old Evinrude motor was beyond repair, cost to fix an old motor were over \$10k. A new motor is a better investment and funds coming from DBW grant. Having 3 boats allows us to run two power boats during water sport programs with one in reserve for emergencies.		
<b>Justification Data:</b>		
Asset Category:	PARKS	
Asset Type:	Equipment	
Project Type:	Replace	
Justification Category:	Age/Condition	
Facility Age (Life):	8 Years	



Project Costs							Project Schedule	
Phase	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total		
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		Jan-23
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		N/A
Purchase	\$ 15,576		\$ -	\$ -	\$ -	\$ 15,576		N/A
<b>Total Project Costs</b>	<b>\$ 15,576</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,576</b>		N/A
<b>Funding Source(s):</b> DBW Grant								
OS Funding Not Secured	\$ 15,576		\$ -	\$ -	\$ -			
<b>Net Capital Expenditure</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,576</b>		

8691	P/N
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<b>Project Title:</b>	TCCC Building Improvement Project
<b>Project Manager:</b>	Anna Klovstad
<b>Current Phase:</b>	CONSTRUCTION
<b>Budget Location:</b>	CAPITAL - P&R
<b>Design Consultant:</b>	Ward Young Architecture
<b>Const. Contractor:</b>	TBD

**Map/Photo:**



**Project Description:**

This project involves separating the north and south activity rooms with a wall and creating dedicated restroom access to each activity room. The kitchen will be brought back into functional use with a small staff break room and storage created.

**Justification or Significance of Improvement:**

This will facilitate occupancy code requirements for small group activities of the main floor and putting this facility into service for the community while providing sound attenuation for the business offices upstairs.

**Justification Data:**

Asset Category:	PARKS
Asset Type:	Facility
Project Type:	Upgrade
Justification Category:	Age/Condition
Facility Age (Life):	30+ yrs

**Project Costs**

Phase	2021 Actual	2022 Projected	2023 Budget	2024 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ 21,659	\$ 65,947	\$ 5,000	\$ -	\$ -	\$ 92,606
Construction	\$ -	\$ -	\$ 290,046	\$ -	\$ -	\$ 290,046
<b>Total Project Costs</b>	<b>\$ 21,659</b>	<b>\$ 65,947</b>	<b>\$ 295,046</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 382,652</b>
<b>Funding Source(s):</b>						
OS Funding Not Secured	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 21,659</b>	<b>\$ 65,947</b>	<b>\$ 295,046</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 382,652</b>

**Project Schedule**

<b>Deferred Maintenance</b>	Complete
<b>Begin Design:</b>	Complete
<b>Start Construction:</b>	May-23
<b>Complete Construction:</b>	Oct-23

	P/N
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<b>Project Title:</b>	Security Camera Installation
<b>Project Manager:</b>	Kay Berntson
<b>Current Phase:</b>	PLANNING
<b>Budget Location:</b>	CAPITAL - P&R
<b>Design Consultant:</b>	TBD
<b>Const. Contractor:</b>	TBD

**Map/Photo:**

**Project Description:**  
Installation of New security System at TCCC.



**Justification or Significance of Improvement:**  
When TCPUD purchased the TCCC property it did not come with a security camera system for the building or parking lot.  
Staff have recognized the need for ingress and egress cameras from the parking lot and entrance at the main doors inside the TCCC building. This will provide the building and parking lot consistent with other TCPUD owned facilities.

**Justification Data:**

Asset Category:	PARKS
Asset Type:	Facility
Project Type:	Upgrade
Justification Category:	Age/Condition
Facility Age (Life):	30 yrs

Project Costs							Project Schedule	
Phase	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total		
Preliminary	\$ 38,539	\$ -	\$ -	\$ -	\$ -	\$ 38,539	<b>Begin Design:</b>	TBD
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>Bid Construction:</b>	Apr-23
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>Start Construction:</b>	Jun-23
<b>Total Project Costs</b>	<b>\$ 38,539</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 38,539</b>	<b>Complete Construction:</b>	Jun-23
<b>Funding Source(s):</b>								
<b>Net Capital Expenditure</b>	<b>\$ 38,539</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 38,539</b>		

	P/N					
<b>Project Title:</b>	TCCC Ground Improvements	<b>Map/Photo:</b>				
<b>Project Manager:</b>	Kay Berntson					
<b>Current Phase:</b>	CONSTRUCTION					
<b>Budget Location:</b>	CAPITAL - P&R					
<b>Design Consultant:</b>	N/A					
<b>Const. Contractor:</b>	TBD					
<b>Project Description:</b>						
<p>This project will enhance the landscapes of the TCCC Grounds.</p>						
<b>Justification or Significance of Improvement:</b>						
<p>This project will directly improve the area on the South East side of the large lawn (dry creek &amp; dirt area). This will allow for more seating and viewing of larger events and improve the safety of the current landscape.</p>						
<b>Justification Data:</b>						
Asset Category:	PARKS					
Asset Type:	Facility					
Project Type:	Upgrade					
Justification Category:	Safety/Security					
Facility Age (Life):	30 yrs					
<b>Project Costs</b>						
<b>Phase</b>	<b>2023 Budget</b>	<b>2024 Budget</b>	<b>2025 Budget</b>	<b>2026 Budget</b>	<b>2027 Budget</b>	<b>Total</b>
Preliminary			\$ -	\$ -	\$ -	\$ -
Design			\$ -	\$ -	\$ -	\$ -
Construction	\$ 20,000		\$ -	\$ -	\$ -	\$ 20,000
<b>Total Project Costs</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000</b>
<b>Funding Source(s):</b>						
<b>Net Capital Expenditure</b>	<b>\$ 20,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000</b>
<b>Project Schedule</b>						
<b>Begin Design:</b> Apr-23						
<b>Bid Construction:</b> N/A						
<b>Start Construction:</b> May-23						
<b>Complete Construction:</b> Jul-23						

	P/N
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<b>Project Title:</b>	TCCC Backup Power
<b>Project Manager:</b>	Chalrey Miller
<b>Current Phase:</b>	CONSTRUCTION
<b>Budget Location:</b>	CAPITAL - P&R
<b>Design Consultant:</b>	N/A
<b>Const. Contractor:</b>	TBD

**Project Description:**

The project will repurpose the generator formally located at the McKinney sewer pump station for utilization at the Tahoe City Community Center (TCCC). This will require a shed structure adjacent to the building, Automatic Transfer Switch (ATS) and connection to the existing power panel.

**Justification or Significance of Improvement:**

TCCC currently has 6 full time TCPUD staff and the potential to host small community events. Backup power will be essential to maintain the heat and lighting during extended power outages.

**Justification Data:**

Asset Category:	PARKS
Asset Type:	Facility
Project Type:	Upgrade
Justification Category:	Safety/Security
Facility Age (Life):	30 yrs

**Map/Photo:**



**Project Costs**

Phase	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total
Preliminary			\$ -	\$ -	\$ -	\$ -
Design			\$ -	\$ -	\$ -	\$ -
Construction	\$ 32,000		\$ -	\$ -	\$ -	\$ 32,000
<b>Total Project Costs</b>	<b>\$ 32,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 32,000</b>
<b>Funding Source(s):</b>						
<b>Net Capital Expenditure</b>	<b>\$ 32,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 32,000</b>

**Project Schedule**

<b>Begin Design:</b>	Apr-23
<b>Bid Construction:</b>	N/A
<b>Start Construction:</b>	May-23
<b>Complete Construction:</b>	Jul-23

8696	P/N											
<b>Project Title:</b>	Multi-Facility Signage Replacement Project	<b>Map/Photo:</b>										
<b>Project Manager:</b>	Valli Murnane											
<b>Current Phase:</b>	CONSTRUCTION											
<b>Budget Location:</b>	CAPITAL - P&R											
<b>Design Consultant:</b>	Ward-Young											
<b>Const. Contractor:</b>	TBD											
<b>Project Description:</b>	<p>Replace six (6) and add three (3) wayfinding signs at the following owned District Facilities and align with the North Lake Tahoe Community Wayfinding Signage Standards used at the District Administrative Office and Tahoe City Golf Course.</p> <ul style="list-style-type: none"> <li>*Tahoe City Community Center Street Sign</li> <li>*Tahoe City Community Center Parking Lot Sign</li> <li>*Lake Forest Boat Ramp Sign</li> <li>*Lake Forest Campground Sign</li> <li>*Kilner Park Sign</li> <li>*Aspen Street Parking Lot Sign</li> </ul>											
<b>Justification or Significance of Improvement:</b>	<p>Signs are aging and outdated. Replacement will aid in the definition of each facility and provide a better visitor experience. Well placed and designed signage provides information to drivers or pedestrians precisely when needed, improving ease of navigation.</p>											
<b>Justification Data:</b>	<table border="1"> <tr> <td>Asset Category:</td> <td>PARKS</td> </tr> <tr> <td>Asset Type:</td> <td>Facility</td> </tr> <tr> <td>Project Type:</td> <td>Replace</td> </tr> <tr> <td>Justification Category:</td> <td>Age/Condition</td> </tr> <tr> <td>Facility Age (Life):</td> <td>10 years</td> </tr> </table>		Asset Category:	PARKS	Asset Type:	Facility	Project Type:	Replace	Justification Category:	Age/Condition	Facility Age (Life):	10 years
Asset Category:	PARKS											
Asset Type:	Facility											
Project Type:	Replace											
Justification Category:	Age/Condition											
Facility Age (Life):	10 years											
												

Project Costs						
Phase	2022 Projected	2023 Budget	2024 Budget	2025 Budget	2026 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ 49,169	\$ 6,000	\$ -	\$ -	\$ -	\$ 55,169
Construction	\$ -	\$ 435,942	\$ -	\$ -	\$ -	\$ 435,942
<b>Total Project Costs</b>	<b>\$ 49,169</b>	<b>\$ 441,942</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 491,111</b>
<b>Funding Source(s):</b>						
OS Funding Not Secured	\$ -	\$ 270,000	\$ -	\$ -	\$ -	\$ 270,000
<b>Net Capital Expenditure</b>	<b>\$ 49,169</b>	<b>\$ 171,942</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 221,111</b>

Project Schedule	
<b>Begin Design:</b>	Complete
<b>Bid Construction:</b>	Apr-23
<b>Start Construction:</b>	Jun-23
<b>Complete Construction:</b>	Aug-23

8702	P/N
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<b>Project Title:</b>	Lake Forest Boat Ramp DredgingProject
<b>Project Manager:</b>	Kay Berntson
<b>Current Phase:</b>	CONSTRUCTION
<b>Budget Location:</b>	CAPITAL - P&R
<b>Design Consultant:</b>	Auerbach Engineering Corp.
<b>Const. Contractor:</b>	TBD

**Map/Photo:**



**Project Description:**  
Dredging of boat launch and surrounding dock area.

**Justification or Significance of Improvement:**  
Environmental conditions have deposited large amounts of sand and silt into the launch and dock areas. This causes safety and launching issues during low water years. This project will bring the base lake level back 6219' in the Lake Forest Pier area. This is a maintenance project that will be performed every 5-7 years, as needed, to maintain safe accessibility to Lake Tahoe for recreation.

**Justification Data:**

Asset Category:	PARKS
Asset Type:	Facility
Project Type:	Rehab
Justification Category:	Safety/Security
Facility Age (Life):	5-7 years

Project Costs						
Phase	2022 Projected	2023 Budget	2024 Budget	2025 Budget	2025 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ 79,783	\$ -	\$ -	\$ -	\$ -	\$ 79,783
Construction	\$ -	\$ 283,200	\$ -	\$ -	\$ -	\$ 283,200
<b>Total Project Costs</b>	<b>\$ 79,783</b>	<b>\$ 283,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 362,983</b>
<b>Funding Source(s):</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Net Capital Expenditure</b>	<b>\$ 79,783</b>	<b>\$ 283,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 362,983</b>

**Project Schedule**

<b>Begin Design:</b>	Jun-22
<b>Bid Construction:</b>	Jan-23
<b>Start Construction:</b>	Mar-23
<b>Complete Construction:</b>	Apr-23

	P/N											
<b>Project Title:</b>	Lake Forest Boat Ramp Restroom Remodel	<b>Map/Photo:</b>										
<b>Project Manager:</b>	Anna Klovstad											
<b>Current Phase:</b>	CONSTRUCTION											
<b>Budget Location:</b>	CAPITAL - P&R											
<b>Design Consultant:</b>	Auerbach Engineering Corp.											
<b>Const. Contractor:</b>	TBD											
<b>Project Description:</b>	<p>Replace aging restroom building and upgrade with heat for year-round use.</p>											
<b>Justification or Significance of Improvement:</b>	<p>Staff has assessed a full replacement is the best project for upgrading the interior and exterior of the restrooms. Upgrades will include a heating system to provide for year-round use and the elimination of seasonal porta-potties, upgraded interior and exterior fixtures and access, and code compliance. The District has the opportunity to leverage Prop 68 OGALS funding at this deed restricted property.</p>											
<b>Justification Data:</b>	<table border="1"> <tr> <td>Asset Category:</td> <td>PARKS</td> </tr> <tr> <td>Asset Type:</td> <td>Facility</td> </tr> <tr> <td>Project Type:</td> <td>Replace</td> </tr> <tr> <td>Justification Category:</td> <td>Age/Condition</td> </tr> <tr> <td>Facility Age (Life):</td> <td>20+ years</td> </tr> </table>		Asset Category:	PARKS	Asset Type:	Facility	Project Type:	Replace	Justification Category:	Age/Condition	Facility Age (Life):	20+ years
Asset Category:	PARKS											
Asset Type:	Facility											
Project Type:	Replace											
Justification Category:	Age/Condition											
Facility Age (Life):	20+ years											
												

**Project Costs**

Phase	2022 Projected	2023 Budget	2024 Budget	2025 Budget	2026 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ 32,345	\$ 54,652	\$ -	\$ -	\$ -	\$ 86,997
Construction	\$ -	\$ 651,662	\$ 33,028	\$ -	\$ -	\$ 684,690
<b>Total Project Costs</b>	<b>\$ 32,345</b>	<b>\$ 706,314</b>	<b>\$ 33,028</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 771,687</b>
<b>Funding Source(s):</b>						
Prop 68 Funds	\$ -	\$ 177,750	\$ -	\$ -	\$ -	\$ 177,750
CTC Grant		\$ 75,000				
<b>Net Capital Expenditure</b>	<b>\$ 32,345</b>	<b>\$ 528,564</b>	<b>\$ 33,028</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 593,937</b>

**Project Schedule**

<b>Begin Design:</b>	Started
<b>Bid Construction:</b>	Mar-23
<b>Start Construction:</b>	May-23
<b>Complete Construction:</b>	Sep-23

	P/N
<b>Project Title:</b>	Rideout Gym Scoreboard Replacement
<b>Project Manager:</b>	Valli Murnane
<b>Current Phase:</b>	PLANNING
<b>Budget Location:</b>	CAPITAL - P&R
<b>Design Consultant:</b>	
<b>Const. Contractor:</b>	TBD

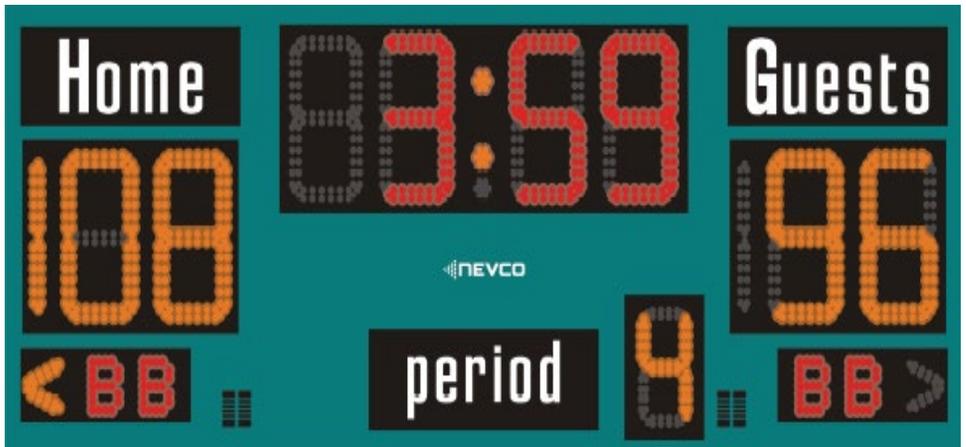
**Project Description:**  
 Replace scoreboard at the Rideout gym.

**Justification or Significance of Improvement:**  
 Replace the Rideout Gym scoreboard used to support youth and adult sports programs offered at this facility. The scoreboard's receiver and wireless controller are in poor working condition and due to its age, replacement parts are no longer available.

**Justification Data:**

Asset Category:	PARKS
Asset Type:	Facility
Project Type:	Replace
Justification Category:	Age/Condition
Facility Age (Life):	15 Years

**Map/Photo:**

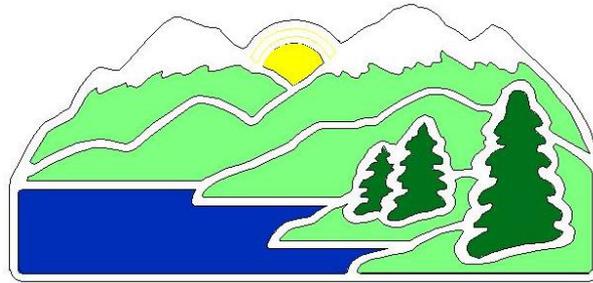


Project Costs						
Phase	2023 Budget	2043 Budget	2025 Budget	2026 Budget	2027 Budget	Total
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 8,389	\$ -	\$ -	\$ -	\$ -	\$ 8,389
<b>Total Project Costs</b>	<b>\$ 8,389</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,389</b>
<b>Funding Source(s):</b>						
	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>Net Capital Expenditure</b>	<b>\$ 8,389</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,389</b>

**Project Schedule**

<b>Begin Design:</b>	N/A
<b>Bid Construction:</b>	N/A
<b>Start Construction:</b>	Feb-23
<b>Complete Construction:</b>	Feb-23

# 2023 Governance & Administrative Services Projects



## Project Justification Legend

### **Asset Type**

- Facility
- Parks
- Trails
- Equipment

### **Project Type**

- Upgrade
- Replace
- Rehab

### **Justification Category**

- Safety/Security
- Regulatory
- Vulnerability/Risk
- Best Practice
- Redundancy/Reliability
- Obsolesces

	P/N														
<b>Project Title:</b>	District Server Replacement	<b>Map/Photo:</b>													
<b>Project Manager:</b>	IT														
<b>Current Phase:</b>	PROCUREMENT														
<b>Budget Location:</b>	GSS														
<b>Design Consultant:</b>	IT														
<b>Const. Contractor:</b>	IT														
<b>Project Description:</b>	<p>Replace one (1) existing Dell server (TC-DOCSVR), one of the District's two virtual host servers.</p>														
<b>Justification or Significance of Improvement:</b>	<p>Replace one (1) existing District Dell server that has reached the end of its useful life as defined by District Electronic Device Replacement Policy. To ensure continued security, reliability and efficiency in management, the District will proactively replace. The one server identified for replacement will be replaced by a single Dell rack server that will allow for improved performance and reduce costs for administration and power consumption.</p>														
<b>Justification Data:</b>	<table border="1"> <tr> <td>Asset Category:</td> <td>G&amp;AS</td> </tr> <tr> <td>Asset Type:</td> <td>EQUIPMENT</td> </tr> <tr> <td>Project Type:</td> <td>Replace</td> </tr> <tr> <td>Justification Category:</td> <td>Age/Condition</td> </tr> <tr> <td>Facility Age (Life):</td> <td>7 Years</td> </tr> </table>		Asset Category:	G&AS	Asset Type:	EQUIPMENT	Project Type:	Replace	Justification Category:	Age/Condition	Facility Age (Life):	7 Years			
Asset Category:	G&AS														
Asset Type:	EQUIPMENT														
Project Type:	Replace														
Justification Category:	Age/Condition														
Facility Age (Life):	7 Years														
<b>Equipment Costs</b>															
<b>Phase</b>	<b>2023 Budget</b>	<b>2024 Budget</b>	<b>2025 Budget</b>	<b>2026 Budget</b>	<b>2027 Budget</b>	<b>Total</b>	<b>Project Schedule</b>								
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>Begin Design:</b>	N/A							
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>Bid Construction:</b>	N/A							
Purchase	\$ 13,000	\$ 10,000	\$ -	\$ 18,000	\$ 10,000	\$ 51,000	<b>Start Construction:</b>	N/A							
<b>Total Project Costs</b>	<b>\$ 13,000</b>	<b>\$ 10,000</b>	<b>\$ -</b>	<b>\$ 18,000</b>	<b>\$ 10,000</b>	<b>\$ 51,000</b>	<b>Complete Construction:</b>	N/A							
<b>Funding Source(s):</b>	<table border="1"> <tr> <td>\$ -</td> </tr> </table>						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -									
<b>Net Capital Expenditure</b>	<b>\$ 13,000</b>	<b>\$ 10,000</b>	<b>\$ -</b>	<b>\$ 18,000</b>	<b>\$ 10,000</b>	<b>\$ 51,000</b>									

	P/N											
<b>Project Title:</b>	Large Format Color Plotter/Copier/Scanner	<b>Map/Photo:</b>										
<b>Project Manager:</b>	IT											
<b>Current Phase:</b>	PROCUREMENT											
<b>Budget Location:</b>	GSS											
<b>Design Consultant:</b>	IT											
<b>Const. Contractor:</b>	TBD											
<b>Project Description:</b>	Purchase a new large format color plotter/copier/scanner.											
<b>Justification or Significance of Improvement:</b>	The existing large format devices is heavily used in the Administration building and has reached its useful life.											
<b>Justification Data:</b>	<table border="1"> <tr> <td>Asset Category:</td> <td>G&amp;AS</td> </tr> <tr> <td>Asset Type:</td> <td>EQUIPMENT</td> </tr> <tr> <td>Project Type:</td> <td>Replace</td> </tr> <tr> <td>Justification Category:</td> <td>Age/Condition</td> </tr> <tr> <td>Facility Age (Life):</td> <td>5</td> </tr> </table>		Asset Category:	G&AS	Asset Type:	EQUIPMENT	Project Type:	Replace	Justification Category:	Age/Condition	Facility Age (Life):	5
Asset Category:	G&AS											
Asset Type:	EQUIPMENT											
Project Type:	Replace											
Justification Category:	Age/Condition											
Facility Age (Life):	5											
<b>Project Costs</b>												
<b>Phase</b>	<b>2023 Budget</b>	<b>2024 Budget</b>	<b>2025 Budget</b>	<b>2026 Budget</b>	<b>2027 Budget</b>	<b>Total</b>	<b>Project Schedule</b>					
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>Begin Design:</b>	N/A				
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	<b>Bid Construction:</b>	N/A				
Construction	\$ 13,000	\$ -	\$ -	\$ -	\$ -	\$ 13,000	<b>Start Construction:</b>	N/A				
<b>Total Project Costs</b>	<b>\$ 13,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 13,000</b>	<b>Complete Construction:</b>	N/A				
<b>Funding Source(s):</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -						
<b>Net Capital Expenditure</b>	<b>\$ 13,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 13,000</b>						

	P/N
<b>Project Title:</b>	Administration Office Copiers (2)
<b>Project Manager:</b>	IT
<b>Current Phase:</b>	PROCUREMENT
<b>Budget Location:</b>	GSS
<b>Design Consultant:</b>	IT
<b>Const. Contractor:</b>	TBD
<b>Project Description:</b>	
Purchase two workgroup office multifunction copiers for the administration office. This will include one multifunction color copier and one black and white copier, replacing what is currently what is in place.	
<b>Justification or Significance of Improvement:</b>	
The existing multi-function devices are used by the Administration staff. These machines are heavily used in the Administration building and have reached their useful life.	
Before replacement, staff will evaluate the effectiveness of the copiers and compare actual use to their maximum and recommend duty cycle.	
<b>Justification Data:</b>	
Asset Category:	G&AS
Asset Type:	EQUIPMENT
Project Type:	Replace
Justification Category:	Age/Condition
Facility Age (Life):	5



Equipment Costs							Project Schedule	
Phase	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total		
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		N/A
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		N/A
Purchase	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000		N/A
<b>Total Project Costs</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>		N/A
<b>Funding Source(s):</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		
<b>Net Capital Expenditure</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 50,000</b>		

	P/N											
<b>Project Title:</b>	Front Administration Office Copier	<b>Map/Photo:</b>										
<b>Project Manager:</b>	IT											
<b>Current Phase:</b>	PROCUREMENT											
<b>Budget Location:</b>	GSS											
<b>Design Consultant:</b>	IT											
<b>Const. Contractor:</b>	TBD											
<b>Project Description:</b>	Purchase a new workgroup office multifunction device for the Tech Service office.											
<b>Justification or Significance of Improvement:</b>	The existing multi-function device was used by the Recreation staff and moved to the Administration facility in 2017 during the Rideout re-location. This machine is now heavily used in the Administration building and has improved efficiency. Before replacement staff will evaluate the effectiveness of the copier compared to its maximum and recommend duty cycle.											
<b>Justification Data:</b>	<table border="1"> <tr> <td>Asset Category:</td> <td>G&amp;AS</td> </tr> <tr> <td>Asset Type:</td> <td>EQUIPMENT</td> </tr> <tr> <td>Project Type:</td> <td>Replace</td> </tr> <tr> <td>Justification Category:</td> <td>Age/Condition</td> </tr> <tr> <td>Facility Age (Life):</td> <td>5</td> </tr> </table>		Asset Category:	G&AS	Asset Type:	EQUIPMENT	Project Type:	Replace	Justification Category:	Age/Condition	Facility Age (Life):	5
Asset Category:	G&AS											
Asset Type:	EQUIPMENT											
Project Type:	Replace											
Justification Category:	Age/Condition											
Facility Age (Life):	5											

Equipment Costs							Project Schedule	
Phase	2023 Budget	2024 Budget	2025 Budget	2026 Budget	2027 Budget	Total		
Preliminary	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		N/A
Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		N/A
Construction	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ 15,000		N/A
<b>Total Project Costs</b>	<b>\$ 15,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000</b>		N/A
<b>Funding Source(s):</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		
<b>Net Capital Expenditure</b>	<b>\$ 15,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000</b>		