



# CAPITAL IMPROVEMENT PLAN 2024/2025 TO 2028/2029

DONNER SUMMIT PUBLIC UTILITY DISTRICT

APPROVED  
June 18, 2024

APPROVED

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## **I. Introduction**

Donner Summit Public Utility District's (District) five-year Capital Improvement Plan (CIP) is a multi-year planning instrument to guide the construction of new facilities/infrastructure; and for the expansion, rehabilitation or replacement of existing District assets. The five-year CIP is developed by Staff and adopted by the Board of Directors, then becomes the guiding document for the prioritization of projects.

The information included in the CIP is based on the current information available and updated regularly to reflect changing priorities, funding availability and project completion. A new five-year CIP will be submitted to the Board annually with recommended adjustments to project budgets, funding sources, descriptions, and/or schedules. Inclusion of a project in the CIP does not commit the District to specific expenditures or appropriations for any particular project.

The CIP includes all projects and programs expected to be undertaken during the next five fiscal years. Specific projects and related schedules are selected based upon:

- Availability of funding
- Minimizing disruptions associated with construction activity
- Board direction

The planned project list has been limited significantly to meet available funding.

## **II. Infrastructure**

District infrastructure includes the water and wastewater physical structures, systems, and facilities needed to provide services to customers and for the functioning of a community and its economy. Infrastructure impacts public health, safety, and the quality of life for District customers and residents. Decisions made regarding infrastructure projects are very important because they are generally large and expensive, and the assets created will require decades of public use.

The District is responsible for maintaining the following infrastructure:

- Over twelve (12) miles of water pipeline
- Two (2) water treatment plants
- Four (4) water storage tanks
- One (1) water pumping station
- One (1) raw water reservoir
- One (1) State regulated dams
- Over eleven (11) miles of sewer pipelines
- Eight (8) sewer lift stations
- One (1) wastewater treatment plant
- Corporation yard and office building

Providing ongoing maintenance and repair, such as repairing or replacing water and wastewater piping, is vital for maintaining the condition of assets. When maintenance and

repair is not fully funded, deferred maintenance and capital improvement costs increase significantly. Compounding the problem, as assets continue to deteriorate, the cost of repair exponentially increases and can result in peripheral damage. For example, deferring roof replacement could later result in needing to replace the roof structural members, walls, and floor of a building.

Over the last several years, the District’s financial priorities have been to upgrade the wastewater treatment plant, upgrade the water treatment plant at Lake Angela, and construct a new water treatment plant at Big Bend. These capital projects and the associated debt load have made it impossible for the District to spend money on other capital projects or adequately fund reserves.

**III. Funding Sources**

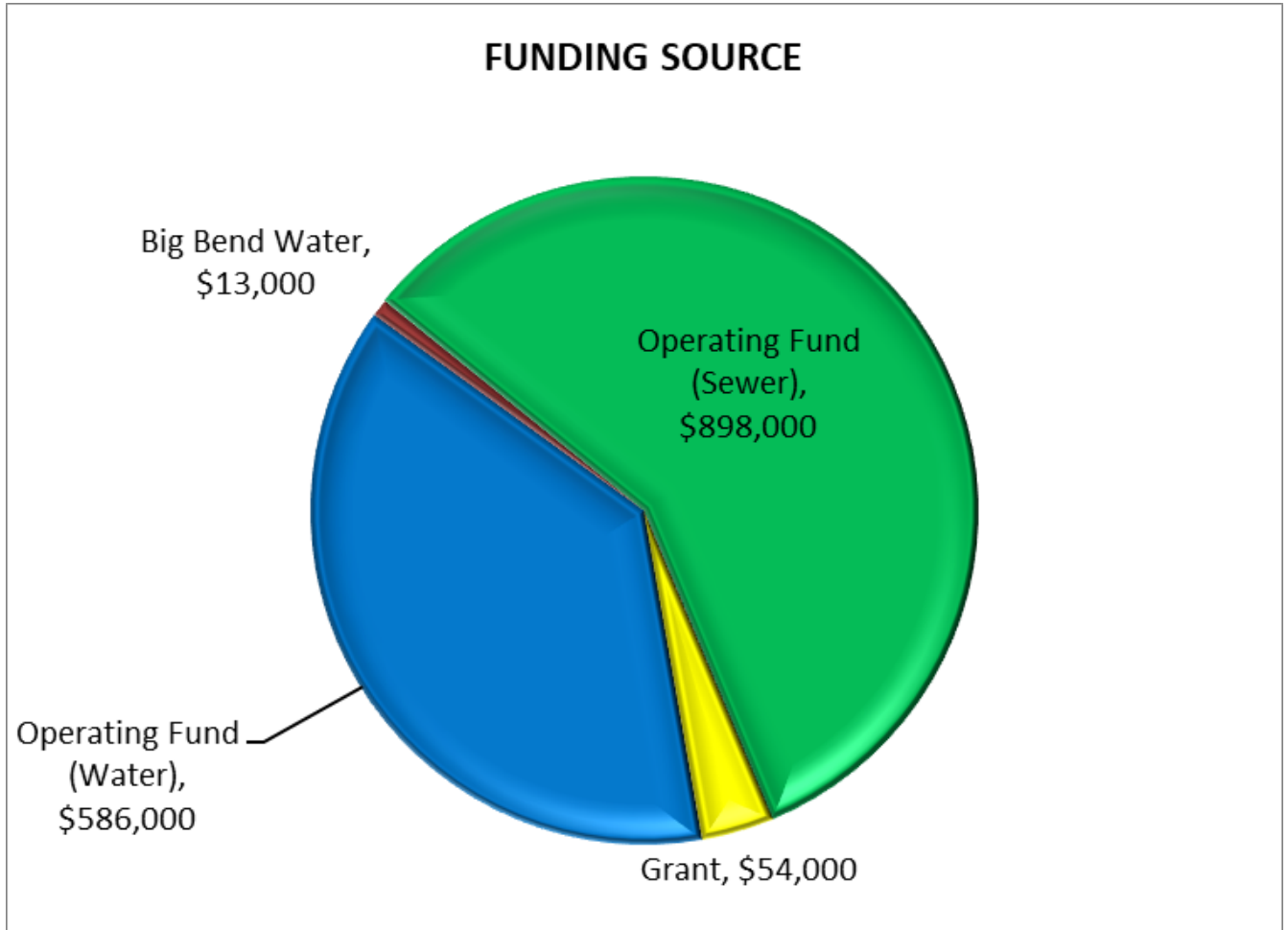
The District does not currently have a Capital Reserve Fund, so the Five-Year CIP is funded from the Operating Fund. The Operating Fund is primarily made up of funding from water rates, wastewater rates, property tax revenue, and capital facilities fees (development impact fees).

The CIP includes Projects that support the treatment and delivery of water; as well as collection, treatment, and disposal of wastewater. The District complies with all applicable local, state and federal regulations related to water and wastewater. The table below summarizes the funding source for projects by fiscal year.

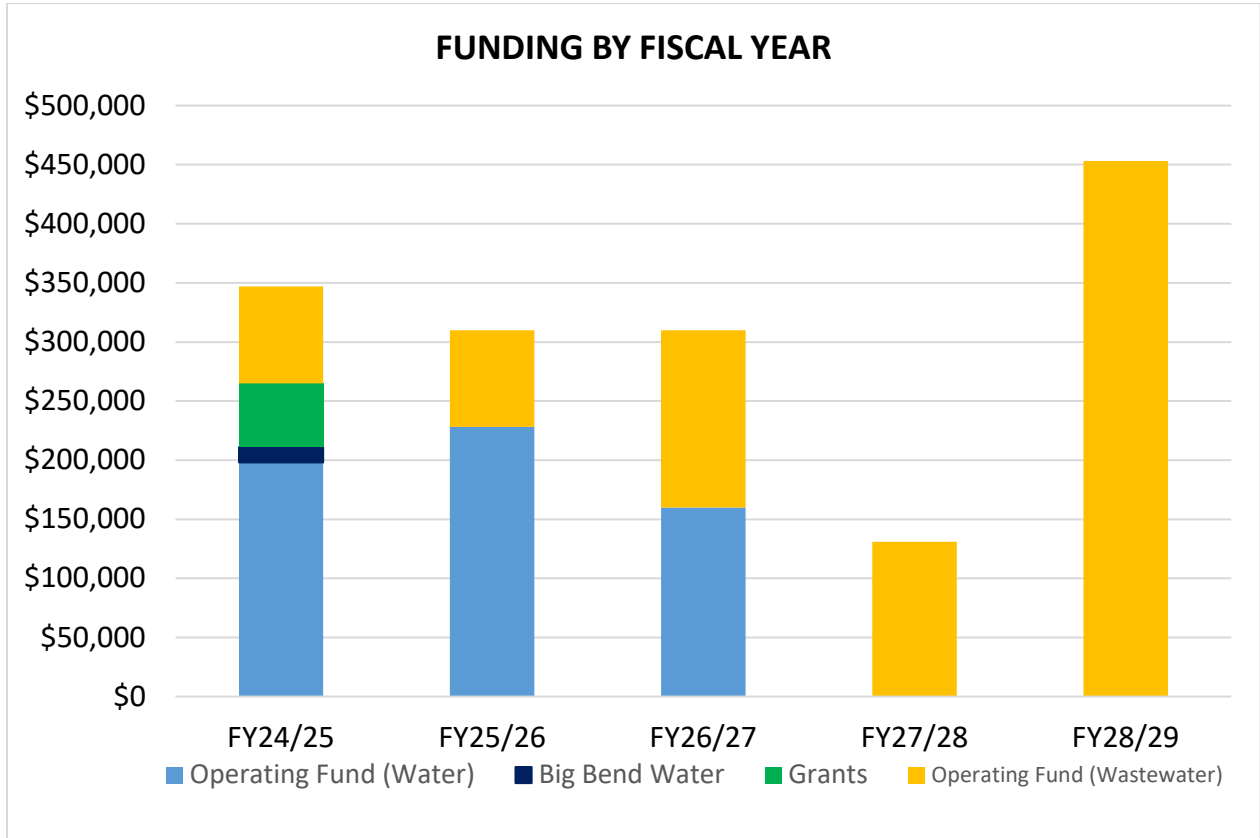
<b>Fund</b>	<b>FY24/25</b>	<b>FY25/26</b>	<b>FY26/27</b>	<b>FY27/28</b>	<b>FY28/29</b>	<b>TOTAL 2025-2029</b>
Operating Fund (Water)	\$198,000	\$228,000	\$160,000	\$0	\$0	\$586,000
Big Bend Water	\$ 13,000	\$0	\$0	\$0	\$0	\$ 13,000
Grants	\$ 54,000	\$0	\$0	\$0	\$0	\$ 54,000
Operating Fund (Wastewater)	\$ 82,000	\$ 82,000	\$150,000	\$131,000	\$453,000	\$898,000
<b>Total</b>	<b>\$347,000</b>	<b>\$310,000</b>	<b>\$310,000</b>	<b>\$131,000</b>	<b>\$453,000</b>	<b>\$1,551,000</b>

The District has been awarded two grants totaling \$54,000 from the Placer County Water Agency (PCWA) Financial Assistance Program (FAP) for the Big Bend Water System Water Line Rehabilitation Project. This grant is to be used for engineering and environmental work needed to replace the treated water lines through the campground (Phase 1). These grants are included in the funding sources for Fiscal Year 2024/2025. The grant does not fund construction costs and there currently isn’t funding identified for construction.

The following chart illustrates funding sources for all five fiscal years in the CIP.



The last chart depicts the spending for each year of the CIP.



#### IV. Project Summary

Capital improvement projects planned in the 2024/2025 to 2028/2029 Capital Improvement Plan are listed on the next page. A project is only listed if there is funding planned during Fiscal Year 2024/25 through Fiscal Year 2028/29. Detailed project cost estimates with expenditure plans for each project listed below are included in Appendix A.

**CAPITAL IMPROVEMENT PLAN, 2024/2025 to 2028/2029**

**PROJECT LIST – CIP 2024/25 THROUGH 2028/29**

<b>PROJECT</b>	<b>FY24/25</b>	<b>FY25/26</b>	<b>FY26/27</b>	<b>FY27/28</b>	<b>FY28/29</b>	<b>5 Year Total</b>
<b><i>Sewer</i></b>						
Radio System Upgrade	\$ 82,000	\$ 82,000	\$ -	\$ -	\$ -	\$ 164,000
Sewer LS Rehabilitation	\$ -	\$ -	\$ -	\$ 44,000	\$ 153,000	\$ 197,000
Sewer LS Norden 1, Norden 2, and No 8 Upgrades	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 300,000
<i>Subtotal Sewer</i>	<i>\$ 82,000</i>	<i>\$ 82,000</i>	<i>\$ -</i>	<i>\$ 44,000</i>	<i>\$ 453,000</i>	<i>\$ 661,000</i>
<b><i>Wastewater Treatment Plant</i></b>						
WWTP Membrane Replacement	\$ -	\$ -	\$ -	\$ 87,000	\$ -	\$ 87,000
Reactor 1 Coating	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ 150,000
<i>Subtotal WWTP</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ 150,000</i>	<i>\$ 87,000</i>	<i>\$ -</i>	<i>\$ 237,000</i>
<i>Subtotal Wastewater</i>	<i>\$ 82,000</i>	<i>\$ 82,000</i>	<i>\$ 150,000</i>	<i>\$ 131,000</i>	<i>\$ 453,000</i>	<i>\$ 898,000</i>
<b><i>Water</i></b>						
Radio System Upgrade	\$ 18,000	\$ 18,000	\$ -	\$ -	\$ -	\$ 36,000
Tank Recoating Program	\$ 30,000	\$ 130,000	\$ 160,000	\$ -	\$ -	\$ 320,000
Boreal Pump Station Building Repairs		\$ 80,000	\$ -	\$ -	\$ -	\$ 80,000
Lake Angela Dam Tendon Tensioning	\$ 150,000		\$ -	\$ -	\$ -	\$ 150,000
<i>Subtotal Water</i>	<i>\$ 198,000</i>	<i>\$ 228,000</i>	<i>\$ 160,000</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ 640,000</i>
<b><i>Big Bend Water</i></b>						
Big Bend Water System Rehabilitation	\$ 67,000	\$ -	\$ -	\$ -	\$ -	\$ 67,000
<i>Subtotal Big Bend</i>	<i>\$ 67,000</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ 67,000</i>
<b><i>Grand Total</i></b>	<b><i>\$ 347,000</i></b>	<b><i>\$ 310,000</i></b>	<b><i>\$ 310,000</i></b>	<b><i>\$ 131,000</i></b>	<b><i>\$ 453,000</i></b>	<b><i>\$ 1,551,000</i></b>

**CAPITAL IMPROVEMENT PLAN, 2024/2025 to 2028/2029**

In addition to the projects listed above, the District is delivering the Sugar Bowl Sewer Extension Project Phase 2A for the Sugar Bowl Corporation and one of the property owners. Through an agreement between the three parties, the Sugar Bowl Corporation and the property owner provide deposits of \$1,989,386 to construct the Phase 2A Project. Since this Project is not being paid for by District funds, the associated revenues and expenditures are not included in the Fiscal Year 2024/2025 Budget.

Through a separate agreement, the Sugar Bowl Corporation previously provided a deposit of \$434,956 to form a Financing District; obtain financing (i.e., bonds); and complete all work for necessary permits and preparation of bid documents for West Village Sewer. That deposit will be expended by the end of Fiscal Year 2023/2024. The Financing District and bonds have been submitted to the affected property owners for an election. If those items are approved by the affected property owners, there will be additional revenues and expenditures of \$5,029,027 to construct the remaining phases.

In addition to the above projects, there are several projects that are needed within the next five-years but lack sufficient funding at this time. Those projects are listed below in the unfunded projects table. District staff continues to seek other funding sources (eg. Assessment Districts, Grants) for these projects.

**UNFUNDED PROJECT LIST**

PROJECT	Project Cost
<b><i>Sewer</i></b>	
Sewer Lift Station 2 Upgrade	\$ 1,017,500
<i>Subtotal Wastewater</i>	\$ 1,017,500
<b><i>Water (Big Bend)</i></b>	
Big Bend Tank Repair / Coating	\$ 100,000
Big Bend Water System Rehabilitation	\$ 1,293,850
Big Bend Water Source Line Replacement	\$ 360,900
<i>Subtotal Water (Big Bend)</i>	\$ 1,754,750
<b><i>Grand Total</i></b>	<b>\$ 2,772,250</b>



**APPENDIX A**  
**PROJECT DESCRIPTIONS**

**Project Name:** Radio System Upgrade  
**Project Number:**  
**Project Description:** Upgrade radio system to reduce visits to remote facilities  
**Funding Sources:**

Sources	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
General Fund (Water)	1,305	18,000	18,000					37,305
Big Bend Water								0
General Fund (Sewer)	7,397	82,000	82,000				0	171,397
Grant								
Loan								0
Other								
Unfunded								0
<b>Total</b>	<b>8,702</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>208,702</b>

**Project Cost Estimate:**

Elements	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
Preliminary Engineering	8,702	20,000						28,702
Environmental								0
Land/ROW Acquisition								0
Construction Engineering								0
Construction Contract		80,000	100,000					180,000
Other CIP Costs								0
Other								0
<b>Total</b>	<b>8,702</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>208,702</b>

**Project Name:** Sewer Lift Station Rehabilitation (3, 4, 7)  
**Project Number:**  
**Project Description:** Rehabilitate/Replace Lift Stations 3, 4, 7. Potential improvements to eliminate 3 & 4  
**Funding Sources:**

Sources	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
General Fund (Water)								0
Big Bend Water								
General Fund (Sewer)					44,000	153,000	867,000	1,064,000
Grant								
Loan								0
Other								
Unfunded								0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44,000</b>	<b>153,000</b>	<b>867,000</b>	<b>1,064,000</b>

**Project Cost Estimate:**

Elements	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
Preliminary Engineering					39,000	19,500	97,000	155,500
Environmental								0
Land/ROW Acquisition								0
Construction Engineering					5,000	10,000	55,000	70,000
Construction Contract						123,500	715,000	838,500
Other CIP Costs								0
Other								0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44,000</b>	<b>153,000</b>	<b>867,000</b>	<b>1,064,000</b>

**Project Name:** Sewer Lift Stations Norden 1, Norden 2, and No 8 Upgrades  
**Project Number:**  
**Project Description:** Upgrade pumps and provide CARB complaint backup generators  
**Funding Sources:**

Sources	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
General Fund (Water)								0
Big Bend Water								0
General Fund (Sewer)						300,000	150,000	450,000
Grant								0
Loan								0
Other								0
Unfunded								0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>150,000</b>	<b>450,000</b>

**Project Cost Estimate:**

Elements	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
Preliminary Engineering						24,000	12,000	36,000
Environmental								0
Land/ROW Acquisition								0
Construction Engineering						24,000	12,000	36,000
Construction Contract						252,000	126,000	378,000
Other CIP Costs								0
Other								0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>150,000</b>	<b>450,000</b>

**Project Name:** WWTP Membrane Replacement  
**Project Number:**  
**Project Description:** Replace membranes in wastewater treatment plant  
**Funding Sources:**

Sources	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
General Fund (Water)								0
Big Bend Water								
General Fund (Sewer)					87,000			
Grant								
Loan								0
Other								
Unfunded								0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>87,000</b>	<b>0</b>	<b>0</b>	<b>87,000</b>

**Project Cost Estimate:**

Elements	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
Preliminary Engineering					7,000			7,000
Environmental								0
Land/ROW Acquisition								0
Construction Engineering					5,000			5,000
Construction Contract					75,000			75,000
Other CIP Costs								0
Other								0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>87,000</b>	<b>0</b>	<b>0</b>	<b>87,000</b>

**Project Name:** WWTPP Reactor 1 Coating  
**Project Number:**  
**Project Description:** Recoat Reactor 1  
**Funding Sources:**

Sources	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
General Fund (Water)								0
Big Bend Water								
General Fund (Sewer)				150,000				
Grant								
Loan								0
Other								
Unfunded								0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

**Project Cost Estimate:**

Elements	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
Preliminary Engineering				15,000				15,000
Environmental								0
Land/ROW Acquisition								0
Construction Engineering				13,000				13,000
Construction Contract				122,000				122,000
Other CIP Costs								0
Other								0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

**Project Name:** Tank Recoating Program  
**Project Number:**  
**Project Description:** Periodic recoating of all potable water storage tanks  
**Funding Sources:**

Sources	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
General Fund (Water)		30,000	130,000	160,000		0	210,000	530,000
Big Bend Water								
General Fund (Sewer)								
Grant								
Loan								0
Other								
Unfunded								0
<b>Total</b>	0	30,000	130,000	160,000	0	0	210,000	530,000

**Project Cost Estimate:**

Elements	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
Preliminary Engineering		30,000		30,000			20,000	80,000
Environmental								0
Land/ROW Acquisition								0
Construction Engineering							10,000	10,000
Construction Contract			130,000	130,000			180,000	440,000
Other CIP Costs								0
Other								0
<b>Total</b>	0	30,000	130,000	160,000	0	0	210,000	530,000

**Project Name:** Boreal Pump Station Building Repairs  
**Project Number:**  
**Project Description:** Repair building to prevent rodent intrusion and add connection for generator  
**Funding Sources:**

Sources	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
General Fund (Water)			80,000				300,000	380,000
Big Bend Water								
General Fund (Sewer)								
Grant								
Loan								0
Other								
Unfunded								0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>80,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>380,000</b>

**Project Cost Estimate:**

Elements	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
Preliminary Engineering			20,000				30,000	50,000
Environmental								0
Land/ROW Acquisition								0
Construction Engineering								0
Construction Contract			60,000				270,000	330,000
Other CIP Costs								0
Other								0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>80,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>380,000</b>



**Project Name:** Lake Angela Dam Tendon Tensioning  
**Project Number:**  
**Project Description:** Check tension of vertical tendons in Lake Angela Dam as required by Dam Safety  
**Funding Sources:**

Sources	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
General Fund (Water)		150,000						150,000
Big Bend Water								
General Fund (Sewer)								
Grant								
Loan								0
Other								
Unfunded								0
<b>Total</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

**Project Cost Estimate:**

Elements	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
Preliminary Engineering		20,000						20,000
Environmental								0
Land/ROW Acquisition								0
Construction Engineering								0
Construction Contract		130,000						130,000
Other CIP Costs								0
Other								0
<b>Total</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

**Project Name:** Big Bend Water System Rehabilitation  
**Project Number:**  
**Project Description:** Replace water lines and construct new treated water tank  
**Funding Sources:**

Sources	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
General Fund (Water)								
Big Bend Water		13,000						
General Fund (Sewer)								
Grant		54,000						
Loan								0
Other								
Unfunded							1,293,850	1,293,850
<b>Total</b>	<b>0</b>	<b>67,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,293,850</b>	<b>1,360,850</b>

**Project Cost Estimate:**

Elements	Prior Years	FY24/25	FY25/26	FY26/27	FY27/28	FY28/29	Future Years	Total
Preliminary Engineering		67,000					61,500	128,500
Environmental							15,000	15,000
Land/ROW Acquisition								0
Construction Engineering							86,200	86,200
Construction Contract							1,131,150	1,131,150
Other CIP Costs								0
Other								0
<b>Total</b>	<b>0</b>	<b>67,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,293,850</b>	<b>1,360,850</b>