



CAPITAL IMPROVEMENT PLAN 2022/2023 TO 2026/2027

DONNER SUMMIT PUBLIC UTILITY DISTRICT

ADOPTED
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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

Initially, approximately \$5.5 million in CIP programs and projects over the next five years were identified. The District does not have enough revenue or reserve funds available to fund this amount of infrastructure investment. The planned project list was significantly reduced 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.

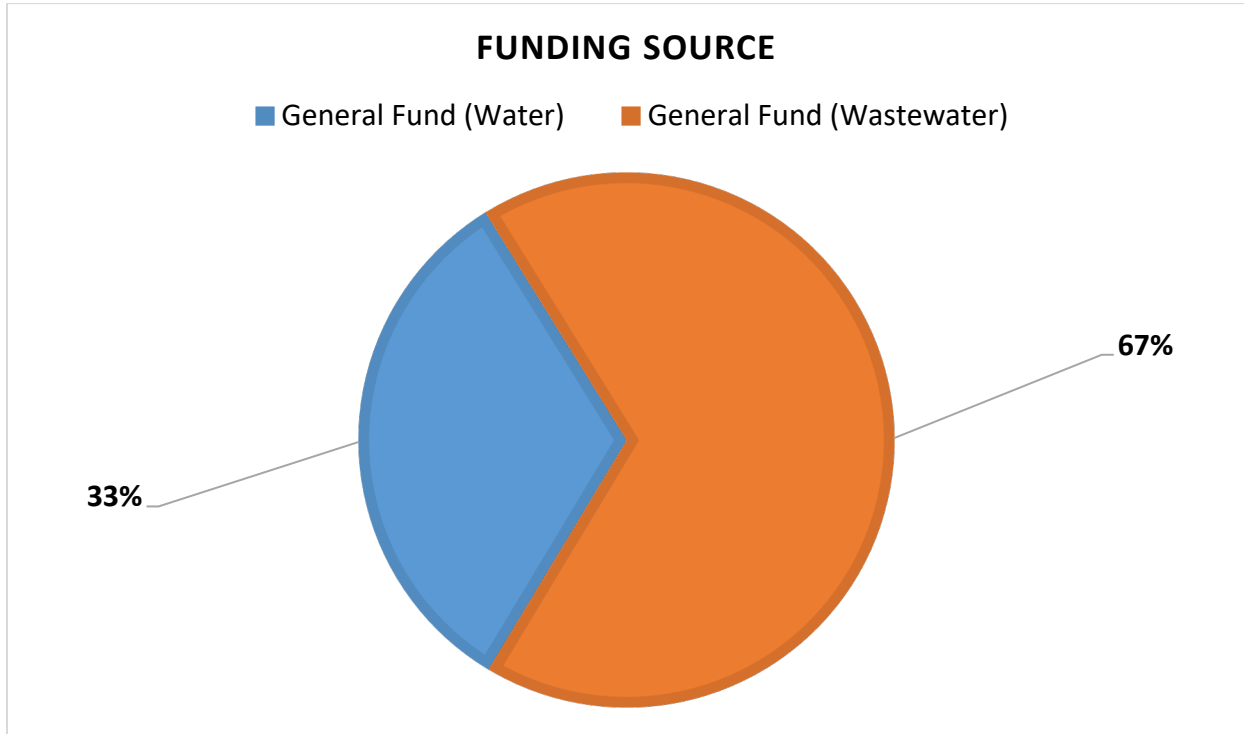
III. Funding Sources

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

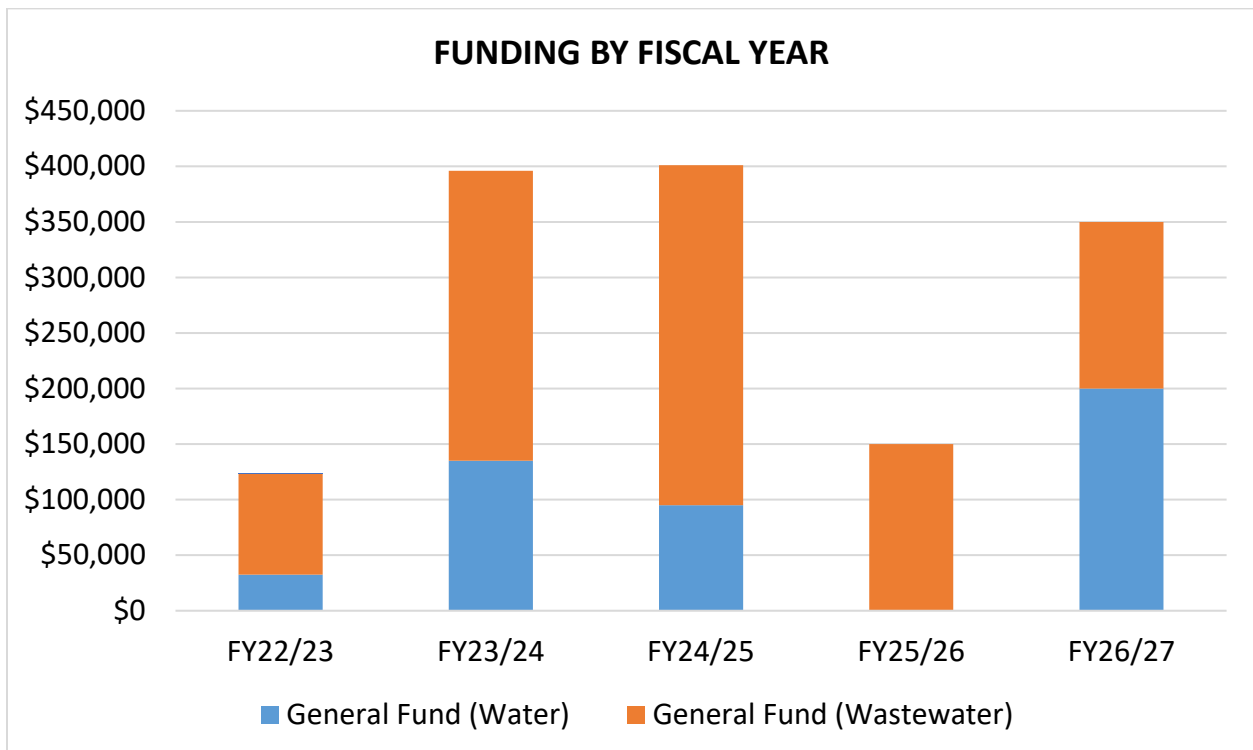
The CIP includes Projects that support the treatment and delivery of water; as well as collection, treatment, and disposal of wastewater. The District complies with all applicable local, state and federal regulations related to water and wastewater. The table below summarizes the funding source for projects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

Fund	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	TOTAL 2022-2027
General Fund (Water)	\$ 32,473	\$135,000	\$ 95,000	\$0	\$200,000	\$462,473
General Fund (Wastewater)	\$ 90,678	\$261,000	\$306,000	\$150,000	\$150,000	\$957,678
Total	\$ 123,151	\$396,000	\$401,000	\$150,000	\$350,000	\$1,420,151

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.



CAPITAL IMPROVEMENT PLAN, 2022/223 to 2026/2027

IV. Project Summary

Capital improvement projects programmed in the 2022/2023 to 2026/2027 Capital Improvement Plan are listed below. A project is only listed if there is funding programmed during Fiscal Year 2022/23 through Fiscal Year 2026/27. Detailed project cost estimates with expenditure plans for each project listed below are included in Appendix A.

PROJECT LIST – CIP 2022/23 THROUGH 2026/27

PROJECT	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	5 Year Total
<i>Sewer</i>						
Radio System Upgrade	\$ 70,678	\$ -	\$ -	\$ -	\$ -	\$ 70,678
Sewer LS Rehabilitation	\$ -	\$ 44,000	\$ 306,000	\$ -	\$ -	\$ 350,000
Sewer LS Norden 1, Norden 2, and No 8 Upgrades	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000	\$ 300,000
Snow Lab / Bunny Hill Road Rehabilitation	\$ 20,000	\$ 130,000	\$ -	\$ -	\$ -	\$ 150,000
<i>Subtotal Sewer</i>	<i>\$ 90,678</i>	<i>\$ 174,000</i>	<i>\$ 306,000</i>	<i>\$ 150,000</i>	<i>\$ 150,000</i>	<i>\$ 870,678</i>
<i>Wastewater Treatment Plant</i>						
WWTP Membrane Replacement	\$ -	\$ 87,000	\$ -	\$ -	\$ -	\$ 87,000
<i>Subtotal WWTP</i>	<i>\$ -</i>	<i>\$ 87,000</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ -</i>	<i>\$ 87,000</i>
<i>Total Wastewater</i>	<i>\$ 90,678</i>	<i>\$ 261,000</i>	<i>\$ 306,000</i>	<i>\$ 150,000</i>	<i>\$ 150,000</i>	<i>\$ 957,678</i>
<i>Water</i>						
Radio System Upgrade	\$ 12,473	\$ -	\$ -	\$ -	\$ -	\$ 12,473
Lake Angela Water Level Gauge	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ 30,000
Tank Recoating Program	\$ -	\$ 105,000	\$ 95,000	\$ -	\$ 200,000	\$ 400,000
Boreal Pump Station Building Repairs	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 20,000
<i>Subtotal Water</i>	<i>\$ 32,473</i>	<i>\$ 135,000</i>	<i>\$ 95,000</i>	<i>\$ -</i>	<i>\$ 200,000</i>	<i>\$ 462,473</i>
<i>Grand Total</i>	<i>\$ 123,151</i>	<i>\$ 396,000</i>	<i>\$ 401,000</i>	<i>\$ 150,000</i>	<i>\$ 350,000</i>	<i>\$ 1,420,151</i>

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

UNFUNDED PROJECT LIST

PROJECT	Project Cost
<i>Sewer</i>	
Sugar Bowl Sewer Extension	\$ 2,168,091
Sewer Lift Station 2 Upgrade	\$ 82,500
<i>Subtotal Wastewater</i>	<i>\$ 2,250,091</i>
<i>Water (Big Bend)</i>	
Big Bend Tank Repair / Coating	\$ 100,000
Big Bend Water System Rehabilitation	\$ 959,350
Big Bend Water Source Line Replacement	\$ 292,700
<i>Subtotal Water (Big Bend)</i>	<i>\$ 1,352,050</i>
<i>Grand Total</i>	<i>\$ 3,602,641</i>

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	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Future Years	Total
General Fund (Water)	1,305	12,473						13,778
Big Bend Water								0
General Fund (Sewer)	7,397	70,678					0	78,075
Grant								
Loan								0
Other								
Unfunded								0
Total	8,702	83,151	0	0	0	0	0	91,853

Project Cost Estimate:

Elements	Prior Years	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Future Years	Total
Preliminary Engineering	8,702							8,702
Environmental								0
Land/ROW Acquisition								0
Construction Engineering								0
Construction Contract		83,151						83,151
Other CIP Costs								0
Other								0
Total	8,702	83,151	0	0	0	0	0	91,853

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	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Future Years	Total
General Fund (Water)								0
Big Bend Water								
General Fund (Sewer)			44,000	306,000	0	0	685,000	
Grant								
Loan								0
Other								
Unfunded								0
Total	0	0	44,000	306,000	0	0	685,000	1,035,000

Project Cost Estimate:

Elements	Prior Years	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Future Years	Total
Preliminary Engineering			39,000				78,000	117,000
Environmental								0
Land/ROW Acquisition								0
Construction Engineering			5,000	20,000			35,000	60,000
Construction Contract				286,000			572,000	858,000
Other CIP Costs								0
Other								0
Total	0	0	44,000	306,000	0	0	685,000	1,035,000

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	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Future Years	Total
General Fund (Water)								0
Big Bend Water								
General Fund (Sewer)					150,000	150,000	150,000	
Grant								
Loan								0
Other								
Unfunded								0
Total	0	0	0	0	150,000	150,000	150,000	450,000

Project Cost Estimate:

Elements	Prior Years	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Future Years	Total
Preliminary Engineering					12,000	12,000	12,000	36,000
Environmental								0
Land/ROW Acquisition								0
Construction Engineering					12,000	12,000	12,000	36,000
Construction Contract					126,000	126,000	126,000	378,000
Other CIP Costs								0
Other								0
Total	0	0	0	0	150,000	150,000	150,000	450,000

Project Name: Snow Lab / Bunny Hill Road Rehabilitation
Project Number:
Project Description: Grade road and place base rock to provide access to sewer facilities
Funding Sources:

Sources	Prior Years	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Future Years	Total
General Fund (Water)								0
Big Bend Water								
General Fund (Sewer)		20,000	130,000					
Grant								
Loan								0
Other								
Unfunded								0
Total	0	20,000	130,000	0	0	0	0	150,000

Project Cost Estimate:

Elements	Prior Years	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Future Years	Total
Preliminary Engineering			10,000					10,000
Environmental								0
Land/ROW Acquisition								0
Construction Engineering			7,000					7,000
Construction Contract		20,000	113,000					133,000
Other CIP Costs								0
Other								0
Total	0	20,000	130,000	0	0	0	0	150,000

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

Sources	Prior Years	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Future Years	Total
General Fund (Water)								0
Big Bend Water								
General Fund (Sewer)			87,000					
Grant								
Loan								0
Other								
Unfunded								0
Total	0	0	87,000	0	0	0	0	87,000

Project Cost Estimate:

Elements	Prior Years	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	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
Total	0	0	87,000	0	0	0	0	87,000

Project Name: Lake Angela Water Level Gauge
Project Number:
Project Description: Install water level gauge at Lake Angela
Funding Sources:

Sources	Prior Years	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Future Years	Total
General Fund (Water)			30,000					30,000
Big Bend Water								
General Fund (Sewer)								
Grant								
Loan								0
Other								
Unfunded								0
Total	0	0	30,000	0	0	0	0	30,000

Project Cost Estimate:

Elements	Prior Years	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Future Years	Total
Preliminary Engineering		8,000						8,000
Environmental								0
Land/ROW Acquisition								0
Construction Engineering								0
Construction Contract		22,000						22,000
Other CIP Costs								0
Other								0
Total	0	30,000	0	0	0	0	0	30,000

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

Sources	Prior Years	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Future Years	Total
General Fund (Water)			105,000	95,000	0	200,000	200,000	600,000
Big Bend Water								
General Fund (Sewer)								
Grant								
Loan								0
Other								
Unfunded								0
Total	0	0	105,000	95,000	0	200,000	200,000	600,000

Project Cost Estimate:

Elements	Prior Years	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Future Years	Total
Preliminary Engineering			10,000			10,000	10,000	30,000
Environmental								0
Land/ROW Acquisition								0
Construction Engineering			5,000	5,000		10,000	10,000	30,000
Construction Contract			90,000	90,000		180,000	180,000	540,000
Other CIP Costs								0
Other								0
Total	0	0	105,000	95,000	0	200,000	200,000	600,000

Project Name: Boreal Pump Station Building Repairs
Project Number:
Project Description: Repair building to prevent rodent intrusion
Funding Sources:

Sources	Prior Years	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Future Years	Total
General Fund (Water)		20,000						20,000
Big Bend Water								
General Fund (Sewer)								
Grant								
Loan								0
Other								
Unfunded								0
Total	0	20,000	0	0	0	0	0	20,000

Project Cost Estimate:

Elements	Prior Years	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	Future Years	Total
Preliminary Engineering								0
Environmental								0
Land/ROW Acquisition								0
Construction Engineering								0
Construction Contract		20,000						20,000
Other CIP Costs								0
Other								0
Total	0	20,000	0	0	0	0	0	20,000