

Tahoe City Public Utility District

Five Year Capital Plan

2020 through 2024



**Tahoe City
Public Utility District**

**Tahoe City Public Utility District Five Year Capital Plan
District Combined By Departments
2020 Through 2024**

<u>District Total</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>5 Yr. Total</u>
Water	\$ 9,593,423	\$ 13,587,851	\$ 9,447,756	\$ 7,048,668	\$ 8,747,437	\$ 48,425,136
Sewer	1,493,094	4,441,543	3,317,200	2,483,333	1,650,000	13,385,171
Parks	2,295,633	2,359,030	3,603,500	1,549,000	1,150,000	10,957,163
G & AS	25,200	226,667	1,112,500	853,833	-	2,218,200
Vehicles	309,000	195,000	113,000	155,000	104,000	876,000
Total Capital	13,716,350	20,810,091	17,593,956	12,089,835	11,651,437	75,861,669
<u>Capital Grants (secured & not secured)</u>						
Parks	131,500	1,363,040	1,100,000	1,179,000	1,100,000	4,873,540
Water	160,678					
Total Grant Funded	292,178	1,363,040	1,100,000	1,179,000	1,100,000	4,873,540
Net District Funded Capital	\$ 13,424,172	\$ 19,447,051	\$ 16,493,956	\$ 10,910,835	\$ 10,551,437	\$ 70,827,451

For detailed capital budget information go to the following pages in this section

		2020 Budget		2021		2022		2023		2024		2020 - 2024 Project Subtotal
WATER CAPITAL		Project Phase	Project Budget	Project Phase	Project Budget	Project Phase	Project Budget	Project Phase	Project Budget	Project Phase	Project Budget	
ENGINEERING PROJECTS												
	Public Projects Relocations/Upgrades (EIP)	P&D/CONST	\$ -	P&D/CONST	\$ -	P&D/CONST	\$ -	P&D/CONST	\$ -	P&D/CONST	\$ -	\$ -
8151	Bunker Water Tank Replacement	CONST	\$ 5,000									\$ 5,000
8171	Madden Creek Water System Interconnection and Dist. Improvements - Phase 1 & Phase 2	P&D/CONST	\$ 1,914,831									\$ 1,914,831
8176	Timberland Water System Metering and Distribution Improvements	CONST	\$ 1,597,677									\$ 1,597,677
	Lower Meeks Bay PRV	P&D/CONST	\$ 70,000									\$ 70,000
7109	CA FLAP SR89 - Fanny Bridge - Water Relocations	P&D	\$ 10,000	CONST	\$ 111,050							\$ 121,050
8126	West Lake Tahoe Regional Water Treatment Plant	P&D/CONST	\$ 5,310,295	CONST	\$ 6,951,467							\$ 12,261,762
	Rubicon Wells 2 & 3 - Backup Power Project	P&D	\$ 118,219	CONST	\$ 617,962							\$ 736,181
8170	Tahoe Cedars Water System Interconnection and Dist. Improvements - Ph. II	P&D	\$ 386,165	CONST	\$ 2,531,525							\$ 2,917,690
	Madden Creek Water System Distribution Improvements (Final Project Scope/Schedule subject to 2020 Master Planning) (Complete Asset Replacement Est. = \$5.5M)			P&D/CONST	\$ 500,000	CONST	\$ 1,000,000	CONST	\$ 1,000,000	CONST	\$ 1,000,000	\$ 3,500,000
	Tahoe Cedars Water System Distribution Improvements (Final Project Scope/Schedule subject to 2020 Master Planning) (Complete Asset Replacement Est. = \$22M)			P&D/CONST	\$ 1,000,000	CONST	\$ 2,000,000	CONST	\$ 2,000,000	CONST	\$ 2,000,000	\$ 7,000,000
	West Shore Storage Augmentation Project (Final Project Scope/Schedule subject to Future Master Planning)			P&D	\$ 724,730	CONST	\$ 2,717,738	CONST	\$ 905,913			\$ 4,348,381
	Admin Facility Improvement Projects (Defined by Master Plan) - Water Capital Share (1/3)			P&D	\$ 166,667	CONST	\$ 1,000,000	CONST	\$ 833,333			\$ 2,000,000
	The Drive WLR			P&D	\$ 65,240	CONST	\$ 384,916					\$ 450,156
	Rubicon Tank No. 1 Water Feed Line Replacement			P&D	\$ 33,000	CONST	\$ 177,000					\$ 210,000
	Highlands Easements Service Line Replacements (Polybutylene)			P&D	\$ 80,064	CONST	\$ 383,640					\$ 463,704
	Moana Circle WLR			P&D	\$ 72,000	CONST	\$ 424,800					\$ 496,800
	Dardanelles WLR			P&D	\$ 48,600	CONST	\$ 286,740					\$ 335,340
	Smart Meter Replacement Program			CONST	\$ 200,000	CONST	\$ 700,000	CONST	\$ 700,000			\$ 1,600,000
8144	TC Main Emergency Water Supply Project					P&D	\$ 46,375	CONST	\$ 706,641			\$ 753,016
	Rubicon Water System Transmission Improvements					P&D	\$ 59,000	P&D	\$ 641,625	CONST	\$ 4,351,250	\$ 5,051,875
	Water System Master Metering							PrelimP&D	\$ 40,000	CONST	\$ 250,000	\$ 290,000
	Tahoe City Main Source & Storage Augmentation Projects							PRELIM	\$ 71,156	P&D	\$ 996,187	\$ 1,067,343
												\$ -
			\$ 9,412,186		\$ 13,102,304		\$ 9,180,209		\$ 6,898,668		\$ 8,597,437	\$ 47,190,805
OPERATIONAL PROJECTS												
8173	Tahoe Cedars System Upgrades (Immediate)	CONST	\$ 30,000									\$ 30,000
8174	Madden Creek System Upgrades (Immediate)	CONST	\$ 7,000									\$ 7,000
8175	Timberland System Upgrades (Immediate)	CONST	\$ 8,000									\$ 8,000
8164	Lake Forest Water System - Abandon Existing LFWC Facilities	CONST	\$ 15,000									\$ 15,000
8167	Cedar Point Condo Water Service Line Replacements	CONST	\$ 40,890									\$ 40,890
8102	Large Commercial/Domestic Meter Replacement Program	CONST	\$ 35,547	CONST	\$ 35,547	CONST	\$ 35,547					\$ 106,641
NEW	Replace Telemetry RTUs (Water and Sewer Depts.) (60% Water Share)	CONST	\$ 45,000	CONST	\$ 45,000	CONST	\$ 45,000					\$ 135,000
	Rubicon Tank No.2 Exterior Recoating			CONST	\$ 75,000							\$ 75,000
	Lower Highlands Tank Interior Exterior Recoating (w/ Ladder Modifications)			CONST	\$ 330,000							\$ 330,000
	Four Seasons Tank Exterior Coating					CONST	\$ 50,000					\$ 50,000
	Riley Springs Vault Rehabilitation					CONST	\$ 62,000					\$ 62,000
	Operational Projects to be Identified					CONST	\$ 75,000	CONST	\$ 150,000	CONST	\$ 150,000	\$ 375,000
			\$ 181,237		\$ 485,547		\$ 267,547		\$ 150,000		\$ 150,000	\$ 1,234,331
GRAND TOTAL EXPENDITURES		2020	\$ 9,593,423	2021	\$ 13,587,851	2022	\$ 9,447,756	2023	\$ 7,048,668	2024	\$ 8,747,437	\$ 48,425,136

Sewer Capital				2020 Budget		2021		2022		2023		2024		2020 - 2024 Project Subtotal
Asset Category	Upgrade or Replacement	Project Phase	Project Budget	Project Phase	Project Budget	Project Phase	Project Budget	Project Phase	Project Budget	Project Phase	Project Budget	Project Phase	Project Budget	
ENGINEERING PROJECTS														
8350	Line Replacement/Sliplining	Collection	Replacement	P&D/CONST		P&D/CONST		P&D/CONST		P&D/CONST		P&D/CONST		
	Manhole Rehabilitation	Collection	Replacement	P&D/CONST	\$ 50,000	P&D/CONST	\$ 50,000	P&D/CONST	\$ 50,000	P&D/CONST	\$ 50,000	P&D/CONST	\$ 50,000	\$ 250,000
	Lateral Repairs	Collection	Replacement	P&D/CONST		P&D/CONST		P&D/CONST		P&D/CONST		P&D/CONST		
NA	Public Projects Relocations/Upgrades	All	Replacement	P&D/CONST	\$ -	P&D/CONST	\$ -	P&D/CONST	\$ -	P&D/CONST	\$ -	P&D/CONST	\$ -	\$ -
8360	Dollar 1 (Edgewater) Backup Power	Transmission	Upgrade	CONST	\$ 10,000									\$ 10,000
8362	Glenridge Sewer Pump Station Generator Building	Transmission	Upgrade	CONST	\$ 15,000									\$ 15,000
8315	Tahoe City Residential Sewer System Rehab - Phase 3	Collection	Replacement	P&D/CONST	\$ 365,618									\$ 365,618
8126	McKinney Sewer Pump Station - WLTRWTP Modifications	Transmission	Upgrade	CONST	\$ 100,038									\$ 100,038
7109	CA FLAP SR89 - Fanny Bridge - Sewer Relocations	Collection	Replacement	P&D	\$ 10,000	CONST	\$ 150,750							\$ 160,750
8357	Emergency Bypass Facilities (Pump Stations & Force Mains)	Transmission	Upgrade	P&D	\$ 97,125	CONST	\$ 524,846							\$ 621,971
	Satellite Pump Station Overflow Wet Wells	Transmission	Upgrade	P&D	\$ 79,560	CONST	\$ 361,080							\$ 440,640
8331	Dollar/Edgewater Lakefront SLR	Collection	Replacement	P&D	\$ 448,754	CONST	\$ 1,431,600							\$ 1,880,354
	Admin Facility Improvement Projects (Defined by Master Plan) - Sewer Capital Share (1/3)	All	Both			P&D	\$ 166,667	CONST	\$ 1,000,000	CONST	\$ 833,333			\$ 2,000,000
	Projects as Defined by Future Sewer Master Plan	All	Both			CONST	\$ 1,500,000	CONST	\$ 1,500,000	CONST	\$ 1,500,000	CONST	\$ 1,500,000	\$ 6,000,000
8359	Metering Manholes	Collection	Upgrade			P&D	\$ 75,600	CONST	\$ 637,200					\$ 712,800
														\$ -
	SUBTOTAL				\$ 1,176,094		\$ 4,260,543		\$ 3,187,200		\$ 2,383,333		\$ 1,550,000	\$ 12,557,171
OPERATIONAL PROJECTS														
8364	Lonely Gulch Pump Station Generator Replacement	Transmission	Replacement	CONST	\$ 6,000									\$ 6,000
8345	Satellite Pump Station Controls	Transmission	Replacement	P&D/CONST	\$ 35,000									\$ 35,000
8314	Pump Station Flow Meters & Bypass Ports	Transmission	Replacement	P&D/CONST	\$ 50,000									\$ 50,000
NA	Spare Pumps	Equipment	Upgrade	P&D/CONST	\$ 50,000									\$ 50,000
8334	Transfer Switch Replacement	Transmission	Replacement	P&D/CONST	\$ 51,000	P&D/CONST	\$ 51,000							\$ 102,000
NEW	Replace Telemetry RTUs (Sewer and Water) (40% Sewer Share)	Transmission	Replacement	CONST	\$ 30,000	CONST	\$ 30,000	CONST	\$ 30,000					\$ 90,000
NEW	Bay Vista Generator Installation	Transmission	Upgrade	CONST	\$ 45,000									\$ 45,000
NEW	Tahoma Generator Installation	Transmission	Upgrade	CONST	\$ 40,000									\$ 40,000
NA	Portable Sewer Flow Meters	Equipment	Upgrade	PURCH	\$ 10,000									\$ 10,000
	Equipment or Facility Replacement/Upgrades	All	Replacement			CONST	\$ 100,000	CONST	\$ 100,000	CONST	\$ 100,000	CONST	\$ 100,000	\$ 400,000
	SUBTOTAL				\$ 317,000		\$ 181,000		\$ 130,000		\$ 100,000		\$ 100,000	\$ 828,000
GRAND TOTAL EXPENDITURES				2020	\$ 1,493,094	2021	\$ 4,441,543	2022	\$ 3,317,200	2023	\$ 2,483,333	2024	\$ 1,650,000	\$ 13,385,171

Parks and Recreation

	Project Type	2020			2021			2022			2023			2024			2020-24 Projection
		Project Budget			Project Budget			Project Budget			Project Budget			Project Budget			
		District Funded	Outside Funding Secured	Outside Funding Not Secured	District Funded	Outside Funding Secured	Outside Funding Not Secured	District Funded	Outside Funding Secured	Outside Funding Not Secured	District Funded	Outside Funding Secured	Outside Funding Not Secured	District Funded	Outside Funding Secured	Outside Funding Not Secured	
SKYLANDIA BEACH/PARK/HOUSE	Park	\$ 166,339	\$ 20,000	\$ -	\$ 30,000	\$ -	\$ -	\$ 1,051,200	\$ -	\$ -	\$ 320,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,587,539
Skylandia Camp Lodge	Upgrade	\$ 146,339			\$ 30,000												\$ 176,339
Skylandia Camp Lodge	Upgrade							\$ 991,200									\$ 991,200
Stair Replacement at Beach	Replace	\$ 20,000	\$ 20,000														\$ 40,000
Picnic Gazebo	Upgrade							\$ 40,000									\$ 40,000
Picnic Gazebo	Upgrade									\$ 250,000							\$ 250,000
Parking Lot Improvements	Rehab							\$ 20,000									\$ 20,000
Parking Lot Improvements	Rehab							\$ -			\$ 70,000						\$ 70,000
GATEWAY (OUTLET PARCEL)	Park	\$ -	\$ -	\$ -	\$ 30,470	\$ -	\$ 11,130	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,600
Repair wood planks-Outlet & Lakeside 4	Rehab				\$ 18,500												\$ 18,500
Interpretive Signs (possible operating budget)	Replace				\$ 1,970		\$ 11,130										\$ 13,100
Dam Wood	Replace				\$ 10,000												\$ 10,000
DOG PARK	Park	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,000
Dog Park Enhancement							\$ 16,000										\$ 16,000
LAKE FOREST BOAT RAMP	Facility	\$ -	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000
Pier Repairs					\$ 10,000												\$ 10,000
LAKE FOREST BEACH	Park	\$ -	\$ -	\$ -	\$ 15,000	\$ -	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Sailing Program Fence					\$ 15,000		\$ 15,000										\$ 30,000
SUB-TOTAL NON-DISTRICT FACILITIES WITH PROGRAMS EXPENDITURE		\$ 297,839	\$ 33,000	\$ 37,500	\$ 142,150	\$ -	\$ 48,810	\$ 1,668,200	\$ -	\$ -	\$ 320,000	\$ -	\$ 79,000	\$ -	\$ -	\$ -	\$ 2,626,499
NON-DISTRICT FACILITIES																	
64-ACRES	Park	\$ -	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000
Raft Launch Improvements	Rehab				\$ 10,000												\$ 10,000
MARIE SLUCHAK PARK	Park	\$ 17,683	\$ 11,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,683
Playground Replacements	Replace																\$ -
Playground Replacements	Replace	\$ 17,683	\$ 11,000														\$ 28,683
SUB-TOTAL NON-DISTRICT FACILITY EXPENDITURE		\$ 17,683	\$ 11,000	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,683
GRAND TOTAL EXPENDITURE		\$ 2,164,133	\$ 44,000	\$ 87,500	\$ 995,990	\$ -	\$ 1,363,040	\$ 2,503,500	\$ -	\$ 1,100,000	\$ 370,000	\$ -	\$ 1,179,000	\$ 50,000	\$ -	\$ 1,100,000	\$ 10,957,163

Tahoe City Public Utility District

**Five Year Capital Plan
Governance & Administrative Support
2020-2024**

Project Description	2020	2021	2022	2023	2024	Total
1 Server Replacements	\$ 8,700	\$ -	\$ -	\$ -	\$ -	\$ 8,700
2 Incident and Learning Management Software	16,500	-	-	-	-	16,500
3 Upgrade / Replace Financial System			100,000			100,000
4 221 Admin Building Improvement Project ¹	-	166,667	1,000,000	833,333	-	2,000,000
5 Large Format Color Plotter/Copier/Scanner			12,500			12,500
6 Adm. (2) Copiers (1-Color and 1-B/W)		45,000				45,000
7 Rideout Copier	-	15,000	-	-	-	15,000
8 Board Meeting Webcast System Improvement Project	-	-	-	20,500	-	20,500
	<u>\$ 25,200</u>	<u>\$ 226,667</u>	<u>\$ 1,112,500</u>	<u>\$ 853,833</u>	<u>\$ -</u>	<u>\$ 2,218,200</u>

¹ Represents one-third of project cost. Water & Sewer Fund have one-third project cost. Funding for administrative building will come water capital reserves, sewer capital

**Tahoe City Public Utility District
Five Year Vehicle Capital Plan
District-Wide Summary
2020-2024**

2020		2021		2022		2023		2024	
Project Description	District Funds	Project Description	District Funds	Project Description	District Funds	Project Description	District Funds	Project Description	District Funds
1 2008 Ford F-350 Flatbed Liftgate, Parks Unit 31	50,000	1 2012 Ford F-550 Utilities , Veh# 10	80,000	1 2002 Towmaster Trailer, Utilities	18,000	1 2013 Chevy K1500 Utilities, Unit 4	33,000	1 2012 Ford Expedition GSS, Unit 1	28,000
2 2012 Ford F-450 Utilities , Veh# 8	150,000	2 1995 Ford F-800 Dum Unit # 60 Parks and Util	115,000	2 2011 Ford F-250 Utilities , Veh# 6	45,000	2 2013 Chevy 3500 Service Body, Utilities Unit 3	47,000	2 2009 Mini Excavator Utilities	60,000
3 TV Van Chassis Swap Utilities, Veh# 22	60,000			3 2007 Chevy Colorado Parks, Veh# 32	25,000	3 2011 Ford F-150 Pickup, Park Unit 35	30,000	3 2009 Snowmobiles Utilities	16,000
4 2009 Chevy 4x4 Van Rec, Veh# 30	49,000			4 2005 Chevy Colorado Parks, Veh# 38	25,000	4 2011 Ford F-250 Service Body, Parks Veh#34	45,000		
	<u>\$ 309,000</u>		<u>\$ 195,000</u>		<u>\$ 113,000</u>		<u>\$ 155,000</u>		<u>\$ 104,000</u>

Total Five Year \$ 876,000

2020		2021		2022		2023		2024	
Departments	District Funds	Departments	District Funds	Departments	District Funds	Departments	District Funds	Departments	District Funds
Water	\$ 75,000	Water	\$ 68,750	Water	\$ 54,000	Water	\$ 40,000	Water	\$ 46,000
Sewer	135,000	Sewer	68,750	Sewer	9,000	Sewer	40,000	Sewer	30,000
Parks	99,000	Parks	57,500	Parks	50,000	Parks	75,000	Parks	-
Recreation	-	Recreation	-	Recreation	-	Recreation	-	Recreation	-
Tech Services	-	Tech Services	-	Tech Services	-	Tech Services	-	Tech Services	-
	<u>\$ 309,000</u>		<u>\$ 195,000</u>		<u>\$ 113,000</u>		<u>\$ 155,000</u>	G&AS	<u>28,000</u>
									<u>\$ 104,000</u>