

2013 CAPITAL BUDGET AND FIVE-YEAR CAPITAL PLAN



Lake Forest Water System Replacement Project
(Lake Forest Road, corner of Aspen)

2013 Capital Budget and Five-Year Capital Plan

A capital budget includes planned outlays for capital assets with long expected lives and which are designed to produce income or support operations. The capital threshold for TCPUD begins at \$5,000, must be used in operations, and have a life greater than three years. Items such as replacing the phone system, bike trail overlays, best management practices (BMP), tank recoating, meter installations, sewer line replacement/rehabilitation, water line replacement, planning and design work for specific long-term projects are part of the capital budget and five-year capital plan.

The 2013 capital budget and the five-year capital plan represents staff's best efforts to meet the long-term infrastructure needs of TCPUD. The Board of Directors approved the 2013 capital budget of \$6,636,775 and is staff's authorization to spend for the current year. The 2013 capital is anticipating \$2,021,828 in grant or other funding offsets.

The five year capital plan lists and describes capital projects in the near term that TCPUD plans to undertake any time after 2013. Including the 2013 authorized capital budget, the five-year capital spending plan estimates \$44,050,087 in capital spending offset by \$7,082,103 in grant or other outside funding. The following table summarizes the five-year capital plan by area.

	Summary Five Year Capital Plan District-Wide Summary 2013 -2017
Governance & Support Services	\$ 119,200
Engineering	7,500
Water	20,775,179
Sewer	12,095,958
Parks Department	2,437,148
District-Wide Vehicles	1,533,000
Subtotal 2013-2017 District Funded Capital	\$ 36,967,985
Total 2013 -2017 Grant Funded Projects	7,082,103
Total 2013-2017 District-Wide Capital	\$ 44,050,087

The following table summarizes the five-year capital plan by Asset Category within departments

<u>Department</u>	<u>Asset Category</u>	<u>5 Year Total</u>
Water	Source	\$ 13,501,159
Water	Storage	3,982,347
Water	Transmission	2,622,383
Water	Distribution	4,347,711
Water	Equipment	3,333
Sewer	Transmission	4,326,158
Sewer	Collection	5,961,740
Sewer	Equipment	1,808,060
Parks	All	5,837,496
Vehicle	Rolling Stock	1,533,000
Other	Miscellaneous	126,700
	Total	\$ 44,050,087

The following six capital programs represent \$20.5 million or 46% of the five-year capital plan:

- West Lake Tahoe Regional Water Treatment Plant (formerly the McKinney-Quail Secondary Source)
- Tahoe City Main Source & Storage Augmentation Projects
- Rubicon Transmission Improvement Projects
- Bunker Water Tank Replacement
- Tahoe City Residential Sewer System Rehabilitation
- WS Export Truckee River Crossing Repair

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Tahoe City Public Utility District
 Five Year Capital Plan
 District-Wide Summary
 2013 -2016

2013	2014	2015	2016	2017	District Funds
Project Description	Project Description	Project Description	Project Description	Project Description	District Funds
District Funded					
Governance & Support Svcs	Governance & Support Svcs	Governance & Support Svcs	Governance & Support Svcs	Governance & Support Svcs	7,000
Engineering	Engineering	Engineering	Engineering	Engineering	-
Water	Water	Water	Water	Water	7,218,589
Sewer	Sewer	Sewer	Sewer	Sewer	1,500,000
Parks Department	Parks Department	Parks Department	Parks Department	Parks Department	340,000
District-Wide Vehicles	District-Wide Vehicles	District-Wide Vehicles	District-Wide Vehicles	District-Wide Vehicles	418,000
District Funded Total	District Funded Total	District Funded Total	District Funded Total	District Funded Total	\$ 9,483,589
Grant/Outside Funds	Grant/Outside Funds	Grant/Outside Funds	Grant/Outside Funds	Grant/Outside Funds	
1 West Commons Planning	1 Homewood Trail P&D	1 Skylandia Parking Lot	1 Skylandia Park Parking Lot		40,000
2 Boat Ramp Rehabilitation	2 West Commons P&D	Improvements	Improvements		
3 Midway Trail Erosion	3 Skylandia Gazebo	2 Rideout Concrete Repairs			30,000
4 Pomin Playground	4 Repair Concrete Footing on	3 Sequoia Crossing Upgrades			10,000
5 Boat Ramp Cameras	5 Truckee River Access	4 Homewood Trail Construction			1,557,970
6 Commons Beach Sand	6 Boat Ramp Replacement				
7 Lakeside Trail Benches	7 Ice Rink Construction				
8 Truckee River Access P&D	8 Repair/Replace Concrete				
9 Lake Forest Dock Repairs	9 Railings at Commons Stairs				
10 Homewood Trail P&D					
11 Lakeside ZC P&D					
Water Grant Capital	Water Grant Capital	Water Grant Capital	Water Grant Capital	Water Grant Capital	-
Total 2013 Grant Funded Projects	Total 2014	Total 2015	Total 2016	Total 2017	\$ 40,000
Total 2013 District-Wide Capital	\$ 6,636,775	\$ 9,498,799	\$ 13,016,617	\$ 5,414,307	\$ 9,483,589
District Funded over 5 Years	\$ 36,967,985				
Grant Funded over 5 Years	\$ 7,082,103				
Grand Total - 5 Years	\$ 44,050,087				

Tahoe City Public Utility District
 Five Year Capital Plan
 Governance & Support Services
 2013 -2016

2013 Project Description	District Funds	2014 Project Description	District Funds	2015 Project Description	District Funds	2016 Project Description	District Funds	2017 Project Description	District Funds
Relocate Server Room	18,200	1 Employee Evaluation Software & Update Server	17,000	1 Replace Color Copier	15,000			Server Upgrades	7,000
Replace Phone System	35,000	2 Reconfigure Utility Billing front area	7,000	2 Replace B/W copier 3 Replace Rideout B/W copier	12,000 8,000				
	\$ 53,200		\$ 24,000		\$ 35,000		\$ -		\$ 7,000
Grand Total - 5 Years		\$ 119,200							

Tahoe City Public Utility District
 Five Year Capital Plan
 Engineering Department
 2013 -2016

2013 Project Description	District Funds	2014 Project Description	District Funds	2015 Project Description	District Funds	2016 Project Description	District Funds	2017 Project Description	District Funds
1 Technical Services Office Modifications	7,500								
	\$ 7,500		\$ -		\$ -		\$ -		\$ -
Grand Total - 5 Years	\$ 7,500								

Tahoe City Public Utility District
 Five Year Capital Plan
 Water Department
 2013 -2016

Project Description	2013		2014		2015		2016		2017	
	Project Phase	Project Budget	Project Phase	Project Budget	Project Phase	Project Budget	Project Phase	Project Budget	Project Phase	Project Budget
1 McKinney-Quail Secondary Source	P&D	\$ 480,875	CONST	\$ 1,228,125	CONST	\$ 3,282,500				
2 Tahoe City Source/Storage Augmentation					PRELIM	71,156		986,187	CONST	5,526,469
3 Tahoe City Main Source & Storage Augmentation Projects										
4 Rubicon Transmission Solutions										
5 Rubicon Transmission Improvement Projects										
6 Admin Building TRPA BMP Project (33%/Asset)	P&D/CONST	490,875	P&D	136,230	P&D	408,690				1,692,120
7 Water System Master Metering										7,218,969
8 Public Projects Relocations/Upgrades (EIP)	P&D/CONST	45,953	CONST	36,028	CONST	250,000				
	P&D/CONST	7,200	P&D/CONST	50,000						
		52,653		126,028		250,000				
SUBTOTAL										
9 Lake Forest Water System Replacement	CONST	684,619				1,875,650				
10 Lake Forest Water System - Private Service Relocations	CONST	281,438								
11 Lake Forest Water System - Abandon Existing LFVC Facilities	CONST	40,000								
12 Four Season Tank Line Replacement	P&D/CONST	436,398								
13 Woodlawn to Woodhill Water Main Connection	P&D/CONST	131,252								
14 Tahona Meadows Mutual Water Co	P&D/CONST	472,633								
15 Tahona Meadows Metering Project	P&D/CONST	103,778								
16 Bunker Water Tank Replacement	P&D	56,350								
18 Grouse Drive WLR	P&D	67,800								
19 Upper Ellis Road WLR	P&D	24,480								
20 TC Wall No. 1 (Bunker) Replacement	P&D	50,000								
21 Dollar # Service Line Replacements	CONST	240,000								
22 Misc. Fire Hydrant Installations	CONST	55,000								
23 Highlands Easements Service Line Replacements	CONST									
24 Lower Highlands Booster Pump Station Improvements	P&D									
25 Rubicon Tank No. 1 Water Feed Line Replacement	P&D									
26 Ellis to Lagoon WLR	P&D									
27 The Drive WLR	P&D									
28 Meana Circle WLR	P&D									
29 Dardanelles WLR	P&D									
		2,653,747		1,623,402		3,502,398				
SUBTOTAL										
30 Lower Highlands Tank Recoating	CONST	235,000				708,000				
31 Lower Highlands Tank Ladder Modifications	CONST	10,000				116,820				
32 Lighthouse Meter Install	CONST	30,000				177,000				
33 Highway 89 Conductor Casing Crossings	CONST	30,000				218,596				
34 Rubicon Tank No. 1 Interior Coating	P&D	37,000				244,968				
35 Lower Meeks Bay PRV	P&D					161,424				
36 Riley Springs Vault Rehabilitation	CONST									
37 Four Seasons Tank Exterior Coating	CONST									
38 Highlands Wall Chlorination Room	CONST									
		342,000		389,000						
OPERATIONAL PROJECTS										
39 Industrial Thermal Imaging Camera (1/3 cost)										
		3,333								
		5,942,906		5,912,785		7,494,744		2,688,307		7,218,969
Total 2013 Water Capital Plan										
		\$ 24,456,933								
Total - 5 Years										
Grant Funding										
		(66,350)		(46,110)						
		(1,088,644)		(614,063)		(1,631,260)				
		(285,936)		(60,173)						
		(1,930,932)								
Total Grant Funding										
		\$ 2,152,177		\$ 2,862,612		\$ 5,863,494		\$ 2,688,307		\$ 7,218,969
Net Water Funded Capital										

TRPA BMP = Tahoe Regional Planning Agency Best Management Practices (non dated erosion control projects)

P&D = Project Planning and Design

Tahoe City Public Utility District
 Five Year Capital Plan
 Sewer Department
 2013-2017

	2013		2014		2015		2016		2017	
	Project Phase	Project Budget	Project Phase	Project Budget	Project Phase	Project Budget	Project Phase	Project Budget	Project Phase	Project Budget
PROJECTS - UNSPECIFIED LOCATIONS										
1	Line Replacement/Splitting		P&D/CONST	75,000	P&D/CONST	75,000	P&D/CONST	75,000	P&D/CONST	75,000
2	Manhole Rehabilitation	75,000	P&D/CONST	75,000	P&D/CONST	75,000	P&D/CONST	75,000	P&D/CONST	75,000
3	Lateral Repairs		P&D/CONST	25,000	P&D/CONST	25,000	P&D/CONST	25,000	P&D/CONST	25,000
4	Admin Building TRPA BMP Project (42.5% Sewer Share)	45,353	CONST	36,028						
5	Public Projects Relocations/Upgrades (EIP)	97,800	P&D/CONST	50,000	P&D/CONST	50,000	P&D/CONST	50,000	P&D/CONST	50,000
	SUBTOTAL	\$ 218,153		\$ 261,028		\$ 225,000		\$ 225,000		\$ -
PROJECTS - SPECIFIED LOCATIONS										
6	WS Export Truckee River Crossing Repair	401,229	P&D	817,031						
7	Tahoe City Residential Sewer System Rehabilitation Jackpine Drive SLR Pioneer Drive SLR	236,360	P&D	972,925	CONST	324,308				
8	Golf Course SLR	76,200	P&D	337,185	CONST	112,395				
9	Dollar/Edgewater Lakeloft SLR	112,320	P&D	767,520						
10	Beach Lane Paving and BMPs	10,000	CONST							
11	Dollar 1 (Edgewater) Backup Power	10,570	P&D	84,560						
12	Pump Station Flow Meters	15,000	P&D/CONST							
13	Emergency Bypass Facilities (Pump Stations)	99,480	P&D/CONST	438,080						
14	Emergency Bypass Facilities (Force Mains)	17,550	P&D	189,930						
15	Sunnyside Pump & Control Upgrades	5,000	P&D/CONST	24,000						
16	Satellite Pump Station Controls	24,000	P&D/CONST							
17	Blackwood Pump & Control Upgrades	125,000	P&D/CONST							
18	Madden Pump & Control Upgrades	125,000	P&D/CONST							
19	Marina Backup Power	30,000	P&D/CONST							
20	Transfer Switch Replacement	72,000	P&D/CONST	72,000	CONST	637,200				
21	Metering Manholes		P&D	75,600						
22	West Shore H2S Control Facilities		P&D/CONST	40,000						
23	Projects as Defined by Future Sewer Master Plan									
24		1,359,709		3,819,831		2,573,903		1,500,000		1,500,000
	SUBTOTAL	\$ 1,359,709		\$ 3,819,831		\$ 2,573,903		\$ 1,500,000		\$ 1,500,000
OPERATIONAL PROJECTS										
25	Portable Sewer Flow Meters	10,000	PURCH							
26	Bypass Trailer	40,000	PURCH							
27	Spill Response Trailer	25,000	PURCH							
28	Spare Pumps	20,000	PURCH							
29	Glenridge Pump Station Access Road Paving (Dist. Share)	15,000	CONST							
30	Equipment or Facility Replacement/Upgrades									
31	Wet Well Frame & Cover Modifications									
31	Industrial Thermal Imaging Camera (1/3 cost)	3,333	PURCH	100,000	CONST	100,000	CONST	100,000	CONST	100,000
	SUBTOTAL	\$ 113,333		\$ 100,000		\$ 100,000		\$ 100,000		\$ 100,000
	Total 2013 Sewer Capital Plan	\$ 1,691,195		\$ 4,180,859		\$ 2,898,903		\$ 1,825,000		\$ 1,500,000
	Total - 5 Years	\$ 12,095,958								

Tahoe City Public Utility District
Five Year Capital Plan
Parks Department
2013 -2016

2013	2014	2015	2016	2017	District Funds
Project Description	Project Description	Project Description	Project Description	Project Description	District Funds
District Funded					
Rideout Furniture	1 Replace Carpet Admin Bldg	1 Admin Parking Lot Overlay	1 Boardwalk Pavers/Trees/ Fixtures Repair/Replace	1 Kilner Park Restrooms	75,000
Sky House Heat/Plumbing*	2 Repair wood planks Outlet & Lakeside 4	2 Overlay Half of West Shore Bike Trail	2 Overlay Half of West Shore Bike Trail	2 Sluchak Playground	40,000
Truckee River Overlay**	3 Upgrade 3 Score Booths NTHS, Bechhold, Connors	3 Rideout Concrete Repairs	3 Commons Parking Lot	3 NTHS Upper Field Lights	225,000
Admin. BMP Requirements	4 Replace 1336 Snow Blower	4 Replace Picnic Tables	4 Overlay	4	
Rideout Gym Floor Cover	5 Replace Stairs at Admin	5 Golf Course Capital***	5 Replace Ballfield Mower		
Golf Course BMP**	6 Club Car Replace	6 Sky Camp Lodge			
Bocce Ball Courts	7 TCC Roof/Siding Replace				
Golf Course Planning	8 Replace Picnic Tables				
Golf Course Entry Sign	9 Tennis Court P&D				
Industrial Thermal	10 Golf Course Capital**				
Imaging Camera (1/3 cost)	11 Connors Field Light Poles				
	12 Golf Course BMP				
	13 P&R Master Plan				
District Funded Total	\$ 602,875	\$ 522,273	\$ 502,000	\$ 470,000	\$ 340,000
Grant/ Outside Funds	Grant/ Outside Funds	Grant/ Outside Funds	Grant/ Outside Funds	Grant/ Outside Funds	
West Commons Planning	1 Homewood Trail P&D	1 Skylandia Parking Lot Improvements	1 Skylandia Park Parking Lot Improvements		
Boat Ramp Rehabilitation	2 West Commons P&D				
Midway Trail Erosion	3 Skylandia Gazebo	2 Rideout Concrete Repairs			
Pomin Playground	4 Repair Concrete Footing on Truckee River Access	3 Sequoia Crossing Upgrades			
Boat Ramp Cameras	5 Boat Ramp Replacement	4 Homewood Trail Construction			
Commons Beach Sand	6 Ice Rink Construction				
Lakeside Trail Benches	7 Repair/Replace Concrete Railings at Commons Stairs				
Truckee River Access P&D	8				
Lake Forest Dock Repairs	9				
Homewood Trail P&D					
Lakeside 2C P&D					
Grant Funded Total	\$ 631,496	\$ 1,090,882	\$ 1,637,970	\$ 40,000	\$ -
Total 2013	\$ 1,234,371	Total 2014 \$ 1,613,155	Total 2015 \$ 2,139,970	Total 2016 \$ 510,000	Total 2017 \$ 340,000
Parks Total - 5 Years	\$ 5,837,496				

* Pending contract with State Parks
** Outside funding potential
*** Golf Course lease funded

Tahoe City Public Utility District
 Five Year Vehicle Capital Plan
 District-Wide Summary
 2013 -2016

2013 Project Description	District Funds	2014 Project Description	District Funds	2015 Project Description	District Funds	2016 Project Description	District Funds	2017 Project Description	District Funds
1 2003 Chevy Siverado Utilities, Veh# 4	25,000	1 2002 Chev K3500, Utility Body, Rack, Uts. Veh #3	30,000	1 2005 Vactor 2107 Utilities Veh # 18	370,000	1 2006 Ford F-550 Utility boom, Lift Gate, Utilities Vehicle# 7	75,000	1 2007 Chevy Colorado Utilities, Veh # 51	25,000
2 2003 Ford F-350 Service Body, Uts. Veh# 12	38,000	2 2002 Chev K1500 Pick-up, Parks Veh# 46	27,000	2 2003 Chev S-10 Compact Pickup, Tech Serv Veh # 2	23,000	2 2006 Ford F-550, Dump Body, Plow, Uts. Veh# 36	55,000	2 2006 Vactor 2113 Utilities Veh # 19	370,000
3 Portable Generators (2) 60KW, Veh # 21, 22	45,000	3 2002 Ford F250 Crew Cab Long Bed, Lift Gate Parks Veh # 47	31,000	3 2003 Chevy Siverado Utilities, Veh# 9	30,000	3 2002 Case 590 Super I Backhoe, Utilities, Unit 26	110,000	3 2007 Chevy Colorado Parks Veh # 45	23,000
		4 1996 Ford F800 Dump Truck Utilities, Veh# 60	80,000	4 2004 Chev K1500 Utilities Veh # 17	25,000	4 1996 Bobcat Skid Steer Parks, Veh# 43	60,000		
	\$ 108,000		\$ 168,000		\$ 448,000		\$ 391,000		\$ 418,000
Grand Total - 5 Years		\$ 1,533,000							

Note: Vehicles described are the items being replaced. Comparable functioning vehicles are being purchased.

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