

**Thurston PUD  
2024 Adopted 2nd Amended Capital Budget**

	<b>2024 Adopted 1st Amended Capital Budget</b>	<b>Revision</b>	<b>2024 Adopted 2nd Amended Capital Budget</b>
<b>Capital Fund Estimated Beginning Fund Balance</b>	<b>4,072,740</b>		

**Capital Improvements**

Project Code	Water System	Project Description			
CI-41	multiple	Isolation Valve Maintenance	100,000	-	100,000
CI-44	multiple	Rebuild Pumphouses	197,000	-	197,000
CI-50	600	Tanglewilde Mainline Replacement	10,000,000	-	10,000,000
CI-50	500	Pattison Kiwa Dr Mainline Replacement	50,000	-	50,000
CI-62	multiple	Existing Treatment Replacements	267,000	-	267,000
CI-63	369	Loma Vista New Treatment	200,000	-	200,000
CI-65	multiple	Replace Plumbing/Pressure Tanks	137,000	-	137,000
CI-66	multiple	Existing System Replacements	150,000	-	150,000
CI-68	multiple	Replace/Rehabilitate Wells	100,000	-	100,000
CI-71	multiple	Electrical Controls Upgrades	115,000	-	115,000
CI-75	multiple	Source and Service Meter Replacement	125,000	-	125,000
CI-76	multiple	Well and Booster Pump Replacement	250,000	-	250,000
CI-87	263	Cedar Shores Generator	-	<b>70,000</b>	70,000
CI-89	215	Deschutes Glen Reservoir Replacement	35,000	-	35,000
CI-96	multiple	Sampling Stations	10,000	-	10,000
CI-98	multiple	New Meter Installation	75,000	-	75,000
CI-100	multiple	Combine 4 Grp A Water Systems in Thurston County (DWSRF)	100,000	<b>10,000</b>	110,000
CI-101	628	Timberline Village Upgrades (DWSRF)	-	<b>10,000</b>	10,000
CI-102	239	Prairie Ridge Consolidation	1,500,000	<b>(20,000)</b>	1,480,000
CI-104	610	Webster Hill New Treatment	-	<b>10,000</b>	10,000
CI-105	multiple	Water Systems Emergency Preparedness	10,000	<b>40,000</b>	50,000
CI-106	500	Pattison Infrastructure Replacement and Upgrades	2,000,000	-	2,000,000
CI-107	521	Country Club Estates DWSRF loan	-	<b>160,519</b>	160,519
CI-108	522	Glen Alder DWSRF loan	-	<b>29,344</b>	29,344
CI-109	multiple	PFAS/PFOA Treatment	10,000,000	-	10,000,000
CI-110	690	Meadows Generator and Two Portable Generators	225,000	-	225,000
CI-111	679	Green Cove Culvert Replacement	1,100,000	-	1,100,000
CI-112	N/A	District Chlorine Plant	100,000	-	100,000
CI-113	500	Pattison Reservoir Expansion	1,100,000	-	1,100,000
CI-114	multiple	Water Systems Chlorine Analyzers & Telemetry	48,000	-	48,000
		<i>20% Contingency on Asset Management Plan Estimates</i>	255,800	-	255,800
<b>Subtotal - Capital Improvements</b>			<b>28,249,800</b>	<b>309,863</b>	<b>28,559,663</b>

**Water System Management**

WM-1	N/A	Acquisitions and Disposal of Water Systems	50,000	-	50,000
WM-4	N/A	Water System Plan - Part B	25,000	-	25,000
WM-28	Multiple	New Service Lines	-	<b>100,000</b>	100,000
WM-33	N/A	Easements	30,000	-	30,000
WM-38	N/A	Geographic Information System (GIS) Program	15,000	-	15,000
<b>Subtotal - Water System Management</b>			120,000	<b>100,000</b>	20,000
<b>Total - Capital Improvement Program</b>			<b>28,369,800</b>	<b>409,863</b>	<b>28,579,663</b>

**Funding**

	Transfer from Capital Surcharges	1,716,800	-	1,716,800	
	Transfer from Cedar Shores Generator Surcharges	-	<b>70,000</b>	70,000	
	Water Revenue Bond Proceeds	563,481	<b>50,000</b>	613,481	
	General Facility Charge (GFC) Collections*	60,000	<b>819,227</b>	879,227	
	PWTF Loan - Rebuild 3 Pumphouses	90,000	-	90,000	
	PWTF Loan - Tanglewilde Mainline Replacement	-	<b>10,000,000</b>	10,000,000	
	DWSRF Loan/Grant - 4 Group A's Thurston County	100,000	<b>10,000</b>	110,000	
	DWSRF Loan - Pattison Consolidation and Replacement	2,000,000	-	2,000,000	
	DWSRF Loan - Timberline Village Upgrades	-	<b>10,000</b>	10,000	
	DWSRF Loan - Country Club Estates Consolidation and Replacement	-	<b>160,519</b>	160,519	
	DWSRF Loan - Glen Alder Consolidation and Replacement	-	<b>29,344</b>	29,344	
	DWSRF Loan - Prairie Ridge Consolidation	-	<b>1,480,000</b>	1,480,000	
	DWSRF Loan - PFAS Remediation	-	<b>5,610,000</b>	5,610,000	
	FEMA Grant - Water System Generators	199,519	-	199,519	
	Developer Deposit - Pattison Reservoir Expansion	1,100,000	-	1,100,000	
	DWSRF Loan, Grant, Bond or Additional Funding Needed	22,600,000	<b>(17,110,000)</b>	5,490,000	
<b>Total - Funding</b>		<b>28,429,800</b>	<b>1,129,090</b>	<b>29,558,890</b>	
<b>Capital Fund Estimated Ending Fund Balance</b>			<b>4,132,740</b>	<b>719,227</b>	<b>\$ 4,851,967</b>

\*General Facility Charge (GFC) Collections\* is an estimate.

## 2024 Adopted 2<sup>nd</sup> Amended Capital Budget – Project Code Explanations

The Capital Budget proposed revision is marked in red.

**CI-41 Isolation Valve Maintenance:** Project to ensure all isolation valves are in working order so that when needed the main can be shut down in sections to do repairs. This reduces the number of customers affected by any planned or emergency repair on the mainline or service connections. Project identified in the Asset Management Plan, funded by capital surcharges.

**CI-44 Rebuild Pumphouses:** Project to rebuild pump houses that are at the end of their useful lives. Asset Management Plan. Public Works Trust Fund Loan was obtained; this line item includes three pump house projects (Brown South Prairie, Garden Acres 1 and Marshall for three years (2021 – 2023)). Project identified in the Asset Management Plan, funded by capital surcharges.

**CI-50: Tanglewilde Mainline Replacement:** This project includes replacement of water mains, valves, hydrants, and lateral lines. This project will be a multi-year project completed in seven (7) phases. District staff is pursuing external funding sources.

**CI-50: Pattison Kiwa Dr Mainline Replacement:** This project includes replacement of water mains, valves and lateral lines. Project identified in the Asset Management Plan, funded by capital surcharges.

**CI-62 Existing Treatment Replacements:** Annual program to replace critical equipment needed for treatment on existing water systems. Project identified in the Asset Management Plan, funded by capital surcharges.

**CI-63 Loma Vista New Treatment:** This project includes the installation of treatment to remove iron and manganese. This is new infrastructure, funded by bond proceeds.

**CI-65 Replace Plumbing/Pressure Tanks:** Annual program to replace pressure tanks and plumbing in the pump houses. Project identified in the Asset Management Plan, funded by capital surcharges.

**CI-66 Existing System Replacements:** Annual program to replace water systems to enhance the life of the asset or solve issues identified by DOH as they arise. We can't always project where the failures will be. We analyze historical costs to determine the average cost and use this for miscellaneous projects. Projects identified in the Asset Management Plan, funded by capital surcharges.

**CI-68 Replace/Rehabilitate Wells:** Annual program to replace or rehabilitate existing wells which could include total replacement, drilling deeper, scrubbing and cleaning well for better water production. Project identified in the Asset Management Plan, funded by capital surcharges.

## 2024 Adopted 2<sup>nd</sup> Amended Capital Budget – Project Code Explanations, continued

**CI-71 Electrical Controls Upgrades:** Annual program to resolve issues with pumping controls and electrical wiring in pump houses. Project identified in the Asset Management Plan, funded by capital surcharges.

**CI-75 Source and Service Meter Replacement:** Annual program to replace service and source meters as needed. Project identified in the Asset Management Plan, funded by capital surcharges.

**CI-76 Well and Booster Pump Replacement:** Annual program to replace well and booster pumps. Project identified in the Asset Management Plan, funded by capital surcharges.

**CI-87 Cedar Shores Generator:** This is a new project to install a generator at the Cedar Shores Water System. In accordance with the District's Generator Program, the Cedar Shores property owners successfully voted to have a generator installed. This new infrastructure will be fully funded by a special generator surcharge paid for by all Cedar Shores customers.

**CI-89 Deschutes Glen Reservoir Replacement:** This project includes replacing reservoir and pump house. Project identified in the Asset Management Plan, funded by capital surcharges.

**CI-96 Sampling Stations:** Project to install sampling stations on water systems to make it more efficient and accurate to take required water samples.

**CI-98 New Meter Installation:** Project to install meters at customer services where there was not previously a meter and where the customer has been paying the higher unmetered rate.

**CI-100 Combine 4 Group A water systems in Thurston County (DWSRF)** This project includes the combining of four Group A water systems to include a new reservoir, booster pumps and mainline. Drinking Water State Revolving Fund (DWSRF) loan and grant funding was obtained to complete this project. **This project includes additional expenses paid in 2024.**

**CI-101 Timberline Village Upgrades (DWSRF)** This project includes updating the Water System Plan, installing service meters and fixing leaks. Drinking Water State Revolving Fund (DWSRF) loan and grant funding was obtained to complete this project. **This project includes additional expenses paid in 2024.**

**CI-102 Prairie Ridge Consolidation:** This project includes the combining of three Group A water systems. **Drinking Water State Revolving Fund (DWSRF) loan was obtained to complete this project.**

**CI-104 Webster Hill New Treatment:** This project includes the installation of treatment to remove iron and manganese. This is new infrastructure, funded by bond proceeds. **This project includes additional expenses paid in 2024.**

## 2024 Adopted 2<sup>nd</sup> Amended Capital Budget – Project Code Explanations, continued

**CI-105 Water System Emergency Preparedness:** This project includes the installation of water trees and an earthquake early warning system. This is new infrastructure, funded by bond proceeds. **This project includes additional expenses paid in 2024.**

**CI-106 Pattison Infrastructure Replacement and Upgrades (DWSRF)** This project includes installing a new well, booster pump stations, and reservoir. Drinking Water State Revolving Fund (DWSRF) loan and grant funding was obtained to complete this project.

**CI-107 Country Club Estates (DWSRF)** This project includes replacement of water mains, service meters, and upgrading the existing treatment system. Drinking Water State Revolving Fund (DWSRF) loan and grant funding was obtained to complete this project. The customers on this water system are being charged a special capital surcharge for their water improvements identified prior to PUD ownership. **This project includes additional expenses paid in 2024.**

**CI-108 Glen Alder (DWSRF)** This project includes replacement of water mains, service meters, and installing a permanent generator. Drinking Water State Revolving Fund (DWSRF) loan and Grant funding was obtained to complete this project. The customers on this water system are being charged a special capital surcharge for their water improvements identified prior to PUD ownership. **This project includes additional expenses paid in 2024.**

**CI-109 PFOA/PFAS Treatment:** This project includes the installation of treatment to remove Per- and polyfluoroalkyl substances (PFAS) at ten (10) water systems. These projects will require new infrastructure. **Drinking Water State Revolving Fund (DWSRF) loans were obtained to complete this project at six (6) water systems. District staff is pursuing external funding sources for the projects at the remaining water systems.**

**CI-110 Meadows Generator and Two Portable Generators:** Project to acquire two (2) portable generators and install one (1) permanent generator at the Meadows Water System to reduce the delay in restoring power to operate water systems during an emergency. Federal Emergency Management Agency (FEMA) Hazard Mitigation grant was obtained to fund this project.

**CI-111 Green Cove Culvert Replacement:** Thurston County Public Works has determined the culvert carrying Green Cove Creek under Country Club Road NW is collapsing. This project will require a temporary water main is installed during construction to maintain service as well as installation of a new, permanent water main after construction is complete. District staff is pursuing external funding sources.

**CI-112 District Chlorine Plant:** This project includes the installation of a chlorine plant at the Pattison Christmas Tree well site. This is new infrastructure, funded by bond proceeds.

## 2024 Adopted 2<sup>nd</sup> Amended Capital Budget – Project Code Explanations, continued

**CI-113 Pattison Reservoir Expansion:** This project is to expand the reservoir at Pattison Water System to provide water service for additional connections. This is new infrastructure, funded by bond proceeds and a community developer.

**CI-114 Water Systems Chlorine Analyzers & Telemetry:** This project includes the implementation of chlorine analyzers & telemetry system at water systems to allow District Management to monitor the chlorine residuals remotely. Adjustments to the chlorine levels will be performed in-person by the District's Field Operations Team. This is new infrastructure, funded by bond proceeds.

**Contingency:** This line item is reserved for contingency on all Asset Management Plan project estimates.

**WM-1 Acquisition and Disposal of New Water Systems:** Line item reserved to provide funding to evaluate water systems for acquisition. Project funded by bond proceeds.

**WM-4 Water System Plan – Part B:** Line item to track the cost of updates to the water system plans or small water system management plans for individual water systems. Project funded by capital surcharges.

**WM-28 New Service Lines:** This project includes materials and labor to install new service lines for new customers. Project is funded by General Facility Charge (GFC) monies.

**WM-33 Easements:** Line item for expenditures associated with the negotiation and recording of new easements for the District's water system infrastructure. Project funded by bond proceeds.

**WM-38 Geographic Information System (GIS) Program:** This line item is for the purchase of equipment needed for the District's GIS Program. Project funded by bond proceeds.

## 2024 Adopted 2<sup>nd</sup> Amended - Capital Budget Funding Sources

After projects are identified, it is the District's guiding principle for funding to first determine if the project should be funded with District reserves including capital surcharges, general facility charges, and water rate revenue. Next, District staff will research available funding through state agencies. As a last resort, the District will use available bond proceeds to fund projects.

**Transfer from Capital Surcharges:** Amounts held in reserve from previous surcharge collection.

**2020 Water Revenue Bond Proceeds:** Amounts obtained from financing in January 2020 to use for acquisitions and capital funding.

**General Facilities Charge (GFC)Fund:** Current (2024) fee is \$6,000, paid by customers for new services. In 2025, the GFC will increase to \$7,000 for each new customer.

**PWTF Loans:** District was awarded and has accepted three (3) loans from the Public Works Trust Fund to drill new wells, rebuild pump houses and decommission old unused wells.

**DWSRF Loans/Grant:** The District was awarded and accepted loans with loan forgiveness from the Drinking Water State Revolving Fund for water system improvements.

**FEMA Hazard Mitigation Grant:** The District was awarded and has accepted a grant from the Federal Emergency Management Agency to install a generator at the Meadows, Group A water system and purchase two trailer mounted generators in preparation for water outage emergencies.

**Proposed Additional Loan/Grant Funding Needed:** The District will pursue outside sources of funding to complete this portion of the capital budget.