

**Thurston PUD
Adopted 2027
Capital Budget**

	Adopted 2027 Capital Budget
Capital Fund Estimated Beginning Fund Balance	2,091,141

Capital Improvements

Project Code	Water System	Project Description	
CI-41	Multiple	Isolation Valve Replacement	200,000
CI-44	Multiple	Rebuild Pumphouses	235,000
CI-50	600	Tanglewilde Mainline Replacement	3,506,888
CI-50	523	Dana Passage Mainline Replacement	2,310,683
CI-62	Multiple	Existing Treatment Replacements	150,000
CI-65	Multiple	Replace Plumbing/Pressure Tanks	125,000
CI-66	Multiple	System Upgrades	590,000
CI-71	Multiple	Electrical Controls Replacements	115,000
CI-75	Multiple	Source and Service Meter Replacement	200,000
CI-76	Multiple	Well and Booster Pump Replacement	200,000
CI-96	Multiple	Sampling Stations	10,000
CI-98	Multiple	New Meter Installation	75,000
CI-100	Multiple	Water System Consolidation	1,463,813
CI-109	Multiple	PFAS/PFOA Treatment - 10 Water Systems	4,015,898
CI-112	Multiple	District Chlorine Plant	75,893
CI-113	Multiple	Water Systems Chlorine Analyzers & Telemetry	100,000
CI-114	Multiple	Manganese Remediation Treatment - 2 Water Systems	2,505,000
		<i>20% Contingency on Asset Management Plan Estimates</i>	280,000
Subtotal - Capital Improvements			16,158,175

Water System Management

WM-1	N/A	Acquisitions and Disposal of Water Systems	100,000
WM-4	N/A	Water System Plan - Part B	35,000
WM-28	Multiple	New Service Lines	100,000
WM-33	N/A	Easements	30,000
Subtotal - Water System Management			265,000
Total - Capital Improvement Program			16,423,175

Funding Sources

	Transfer from Capital Surcharges	1,715,000
	Project Fund	215,000
	General Facility Charge (GFC) - Prior Year Collections	690,893
	PWTF Loan - Tanglewilde Mainline Replacement	3,506,888
	DWSRF Loan - Water System Consolidation	1,463,813
	Dana Passage Mainline Replacement	2,310,683
	DWSRF Grants - PFOA/PFAS Treatment	4,015,898
	Funding Needed (Loan, Grant or Bond)	2,505,000
Total - Funding		16,423,175
Capital Fund Estimated Ending Fund Balance		2,091,141

Adopted 2027 Capital Budget - Project Code Explanations

CI-41 Isolation Valve Replacement: Project to ensure all isolation valves are in working order so that when needed, the mainline 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. Projects identified in the Asset Management Plan are funded by capital surcharges.

CI-44 Rebuild Pumphouses: Project to rebuild pumphouses that are at the end of their useful lives. Asset Management Plan. Projects identified in the Asset Management Plan are funded by capital surcharges.

CI-50: Tanglewilde Mainline Replacement: This project includes replacement of water mains, valves, hydrants, lateral lines, and meter boxes to the customers service line. Currently we have obtained a \$10 million-dollar Public Works Trust Fund (PWTF) loan which will replace approximately 10,000 linear feet of mainline and be completed in a multi-year project of 4 phases (2025 – 2027). Total replacement will require additional funding.

CI-50: Dana Passage Mainline Replacement: This project includes replacement of water mains, valves, hydrants, lateral lines, and meter boxes This project includes replacement of water mains, service meters, and installing a permanent generator. A Drinking Water State Revolving Fund (DWSRF) loan of \$2,288,038 was awarded 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.

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

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

CI-66 System Upgrades: Annual program 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 are funded by capital surcharges. Projects not identified in the Asset Management Plan the new infrastructure will be funded by General Facility Charges (GFCs).

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

Adopted 2027 Amended Capital Budget - Project Code Explanations, continued

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

CI-76 Well and Booster Pump Replacement: Annual program to replace well and booster pumps. Projects identified in the Asset Management Plan are 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. This is new infrastructure and will be funded with project funds or other funding available for new infrastructure.

CI-98 New Meter Installation: Project to install meters at customer property where there was not previously a meter and where the customer has been paying the higher unmetered rate. This is new infrastructure and will be funded with project funds or other funding available for new infrastructure.

CI-100 Water System Consolidations: The Prairie Ridge Consolidation project includes the combining of three Group A water systems. Drinking Water State Revolving Fund Loan (DWSRF) was obtained to complete this multi-year project (2025 -2026).

CI-109 PFOA/PFAS Treatment: This project includes the installation of treatment to remove Per- and polyfluoroalkyl substances (PFAS) at eight (8) water systems. These projects will require new infrastructure. Drinking Water State Revolving Fund (DWSRF) Grant funding for two (2) years (2025 – 2026) was obtained for eight (8) water systems.

CI-112 District Chlorine Plant: This project includes the installation of a chlorine plant at the Tanglewilde Thompson Place well site. This is new infrastructure, funded by General Facility Charges (GFCs).

CI-113 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 General Facility Charges (GFCs).

CI-114 Manganese Remediation Treatment: These projects include the installation of treatment to remediate manganese at two (2) water systems. These projects will require new infrastructure; District staff is pursuing external funding sources.

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

Adopted 2027 Amended Capital Budget - Project Code Explanations, continued

WM-1 Acquisition and Disposal of New Water Systems: Line item reserved to provide funding to evaluate water systems for acquisition or disposal. This project is funded by project funds or other available funding sources.

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. This project is 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. This project is funded by project funds or other available funding sources.

Adopted 2027 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 or water rate revenue. Next, District staff will research available funding through state agencies. As a last resort, the District will use available project funds to pay for projects.

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

Project Fund: Amounts obtained from financing to use for capital projects.

General Facilities Charge (GFC) Fund: The 2027 fee is \$10,000, paid by customers for new services.

PWTF Loan: The District was awarded a loan from the Public Works Trust Fund for the Tanglewilde Mainline Replacement project.

DWSRF Loans and Grants: The District was awarded and accepted loans with loan forgiveness from the Drinking Water State Revolving Fund for water system improvements, consolidation and PFOA/PFAS Treatment.

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