

**Thurston PUD  
2023 Adopted Capital Budget**

Project Code	Water System PUD Number	Project Description	2023 Adopted Capital Budget
<b>Capital Improvements</b>			
CI-41	multiple	Isolation Valve Maintenance	100,000
CI-44	multiple	Rebuild Pumpouses (PW)	294,805
CI-62	multiple	Treatment Systems Upgrade/Media	115,000
CI-65	multiple	Replace Plumbing/Pressure Tanks	40,000
CI-66	multiple	Multiple System Upgrades	150,000
CI-71	multiple	Electrical Controls Upgrades	50,000
CI-75	multiple	Source and Service Meter Replacement	100,000
CI-76	multiple	Well and Booster Pump Replacement	250,000
CI-89	215	Deschutes Glen Reservoir Replacement	75,000
CI-96	multiple	Sampling Stations	70,000
CI-98	multiple	New Meter Installation	150,000
CI-100	multiple	Combine 4 Grp A water systems in Thurston Co (DWSRF)	973,945
CI-102	239	Tolmie Consolidation	1,500,000
CI-103	662	Boots and Saddles New Treatment	60,000
CI-104	610	Webster Hill New Treatment	50,000
CI-105	multiple	Water Systems Emergency Preparedness	150,000
CI-106	500	Pattison Infrastructure Replacement and Upgrades	3,141,500
CI-107	521	Country Club Estates DWSRF loan	756,400
CI-108	522	Glen Alder DWSRF loan	517,480
CI-109	351	Lazy Acres PFAS Treatment	812,500
CI-110	690	Meadows Generator and Two Portable Generators	210,000
CI-111	680	Green Cove Culvert Replacement	670,000
		<i>20% contingency on asset management plan estimates</i>	180,000
<b>Subtotal - Capital Improvements</b>			<b>10,416,630</b>
<b>Water System Management</b>			
WM-1	NA	Acquisitions and Disposal of Water Systems	50,000
WM-4	NA	Water System Plan - Part B	40,000
WM-14	NA	Fleet	150,000
WM-29	NA	Building Improvements and Upgrades	100,000
WM-33	NA	Easements	30,000
WM-38	NA	Geographic Information System (GIS) Program	10,000
WM-39	NA	Emergency Preparedness - Facilities and Staff	20,000
<b>Subtotal - Water System Management</b>			400,000
<b>Total - Capital Improvement Program</b>			<b>10,816,630</b>
<b>Funding</b>			
		Transfer from Vehicle/Equipment Replacement Fund	150,000
		Transfer from Facilities Reserve Fund	25,000
		Transfer from Capital Surcharge Funding	1,120,000
		Water Revenue Bond 2020	686,347
		General Facilities Charge Fund	50,000
		PWTF Loans 2018	224,805
		DWSRF Loan/Grant - 4 Group A's Thurston County	973,945
		FEMA Grant - Water System Generators	188,653
		DWSRF Loan/Grant - Pattison Consolidation and Replacement	3,141,500
		DWSRF Loan/Grant - Country Club Estates Consolidation and Replacement	756,400
		DWSRF Loan/Grant - Glen Alder Consolidation and Replacement	517,480
		DWSRF Loan, Grant, Bond or Additional Funding Needed	2,982,500
<b>Total Other Funding</b>			<b>10,816,630</b>
<b>TOTAL CIP FUNDING FROM RATES (TO RESERVES)</b>			<b>\$ -</b>

## 2023 Capital Project Code Explanations

**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 Pump Houses:** 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 five pump house projects (Brown South Prairie, Garden Acres 1, Marshall, Nisqually Vista, and Olin for three years (2021 – 2023)).

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

**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 Multiple Systems Upgrade:** Annual program to upgrade water systems to enhance the life of the asset or solve issues identified by DOH as they come up. 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. Project identified in the Asset Management Plan, funded by capital surcharges.

**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-89 Deschutes Glen Reservoir Replacement** This project includes replacing reservoir and pumphouse. 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.

## 2023 Capital Project Code Explanations, continued

**CI-99 ROM Upgrades (DWSRF)** This project includes installing source and service meters. Upgrades to reservoir to improve flow of water from well to distribution. Drinking Water State Revolving Fund Loan (DWSRF) and Grant funding was obtained to complete this project.

**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 Loan (DWSRF) and Grant funding was obtained to complete this project.

**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 Loan (DWSRF) and Grant funding was obtained to complete this project.

**CI-102 Tolmie Consolidation:** This project includes the combining of three Group A water systems. District staff is pursuing external funding sources.

**CI-103 Boots and Saddles New Treatment** This project includes the installation of treatment to remove iron and manganese. This is new infrastructure, funded by bond proceeds.

**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.

**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.

**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 Loan (DWSRF) 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 Loan (DWSRF) 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.

**CI-108 Glen Alder (DWSRF)** This project includes replacement of water mains, service meters, and installing a permanent generator. Drinking Water State Revolving Fund Loan (DWSRF) 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.

**CI-109 Lazy Acres PFAS Treatment:** This project includes the installation of treatment to remove Per- and polyfluoroalkyl substances (PFAS). This is new infrastructure; District staff is pursuing external funding sources.

## 2023 Capital Project Code Explanations, continued

**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.

**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 may 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.

**Contingency:** This line item is reserved for contingency.

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

**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.

**WM-14 Fleet:** Line item authorizes the replacement of two (2) of our field vehicles. Project funded by the vehicle and equipment replacement fund.

**WM-29 Building Upgrades:** This line represents projects to replace the roof on the Administrative Building on Ruddell Road and to remodel the field office at 6800 Meridian Road. Project funded by bond proceeds, and a transfer from the vehicle, building and equipment replacement fund.

**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-34 Audio/Visual Technology:** This project includes the installation of Audio/Visual Technology in the Commissioner Meeting Room to enable the use of technology supporting remote attendance at Board meetings. Project is 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.

**WM-39 Emergency Preparedness – Facilities and Staff:** This line item is for items needed to prepare the District for emergencies. Project funded by bond proceeds.

## 2023 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, vehicle, facility and replacements 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 Vehicle/Equipment Replacement Fund:** Amounts held in reserve for vehicle and equipment replacements.

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

**Transfer from Water Fund Reserve:** Amounts held in reserve from water revenues.

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

**General Facilities Charge (GFC) Fund:** The GFC is paid by new customers for new services. The GFC is \$5,000 effective January 1, 2023.

**PWTF Loans 2018:** 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.