

**Thurston PUD
2023 Placeholder Capital Budget
(Summary)**

| Project Code | Water System PUD Number | Project Description | 2023 Placeholder Capital Budget |
|---|-------------------------|---|---------------------------------|
| Capital Improvements | | | |
| CI-41 | multiple | Isolation Valve Maintenance | 100,000 |
| CI-44 | multiple | Rebuild Pumphouses (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-103 | 662 | Boots and Saddles New Treatment | 60,000 |
| CI-105 | multiple | Water Systems Emergency Preparedness | 359,615 |
| 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 | 750,000 |
| | | | |
| | | <i>20% contingency on asset management plan estimates</i> | 180,000 |
| Subtotal - Capital Improvements | | | 8,133,745 |
| Water System Management | | | |
| 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 |
| Subtotal - Water System Management | | | 400,000 |
| Total - Capital Improvement Program | | | 8,533,745 |
| Funding | | | |
| | | 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 | 615,000 |
| | | 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 | 209,615 |
| | | 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 | 750,000 |
| Total Other Funding | | | 8,533,745 |
| TOTAL CIP FUNDING FROM RATES (TO RESERVES) | | | \$ - |

Capital Budget 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: 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 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.

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-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-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-108 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.

Contingency: This line item is reserved for contingency.

WM-1 Acquisitions 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 vehicles. Project funded by the vehicle and equipment replacement fund.

WM-29 Building Improvements & Upgrades: This line item represents projects to replace and/or upgrade components or fixed assets of the District owned buildings, Administrative Buildings on Ruddell Road and 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-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.

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 Facilities Replacement Fund: Amounts held in reserve for facilities replacements.

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

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

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

General Facilities Charge (GFC): Currently \$4,500 paid by customers for new services.

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: The District was awarded and has accepted loans from the Drinking Water State Revolving Fund to improve specific Group A water systems as noted in the Capital Budget.

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

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