

**Thurston PUD  
2022 Capital Budget**

Project Code	Water System PUD Number	Project Description	2022 Adopted Capital Budget
<b>Capital Improvements</b>			
CI-41	multiple	Isolation Valve Maintenance	100,000
CI-44	multiple	Rebuild Pumphouses (PW)	244,805
CI-62	multiple	Treatment Systems Upgrade/Media	120,000
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	32,000
CI-98	multiple	New Meter Installation	150,000
CI-100	multiple	Combine 4 Grp A water systems in Thurston Co (DWSRF)	953,945
CI-102	239	Tolmie Consolidation	1,500,000
CI-103	662	Boots and Saddles New Treatment	60,000
CI-105	multiple	Water Systems Emergency Preparedness	157,200
CI-106	500	Pattison Infrastructure Replacement and Upgrades	3,141,500
		<i>15% contingency on asset management plan estimates</i>	128,300
<b>Subtotal - Capital Improvements</b>			<b>7,252,750</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	60,000
WM-14	NA	Fleet	100,000
WM-29	NA	Building Upgrades	250,000
WM-33	NA	Easements	30,000
WM-34	NA	Audio Visual Technology	100,000
WM-34	NA	Solar Projects on Admin Buildings	181,500
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>			<b>801,500</b>
<b>Total - Capital Improvement Program</b>			<b>8,054,250</b>
<b>Funding</b>			
	Transfer from Vehicle Replacement Fund		150,000
	Transfer from Capital Surcharge Funding		1,043,300
	2020 Water Revenue Bond		990,700
	General Facilities Charge Fund		50,000
	2018 PWTF Loans		224,805
	DWSRF Loan/Grant - 4 Group A's Thurston County		953,945
	DWSRF Loan/Grant - Pattison		3,141,500
	DWSRF Loan, Grant, Bond or Additional Funding Needed		1,500,000
<b>Total Other Funding</b>			<b>8,054,250</b>
<b>TOTAL CIP FUNDING FROM RATES (TO RESERVES)</b>			<b>\$ -</b>

Notes:

## 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 obtained, line item increased to include 5 pump house projects (Brown South Prairie, Garden Acres #1, Marshall, Nisqually Vista and Olin for 3 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 are funded by capital surcharges. New infrastructure upgrade projects are funded by General Facilities Charges.

**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. This is new infrastructure, funded by bond proceeds.

## Capital Budget Project Code Explanations, continued

**CI-98 New Meter Installation** Project to install meters at customer locations where there was not previously a meter and where the customer has been paying the higher unmetered rate. This is new infrastructure, funded by bond proceeds.

**CI-100 Combine Four (4) Group A water systems in Thurston Co (DWSRF)** This project includes the combining of four (4) Group A water systems to include a new reservoir, booster pumps and mainline. Drinking Water State Revolving Fund Loan (DWSRF) and Grant funding obtained to complete this project.

**CI-102 Tolmie Consolidation** This project includes the combining of three (3) Group A water systems, to include a new building, electrical service, and reservoir. A DWSRF loan funding will be pursued for 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 the installation of a new well to produce approximately 600 gpm, construction of two (2) booster pump stations, and construction of a 200,000-gallon reservoir. DWSRF Loan and Grant funding was obtained to complete this project.

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

**WM-1 Acquisitions and Disposal of Water Systems** This will include the evaluation of water systems for acquisition and the disposal of water systems currently owned. 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 bond proceeds.

**WM-14 Fleet** Line item authorizing the replacement of two (2) of our field vehicles. Project funded by the vehicle, building 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 transfer from the vehicle, building and equipment

replacement fund.

**WM-34 Audio Visual Technology** This project includes the installation of Audio-Visual Technology in the Commissioner Hearing Room to enable the use of technology supporting remote attendance at Board meetings. Project funded by bond proceeds.

**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

**Transfer from Vehicle Replacement Fund** Amounts held in reserve for vehicle replacement.

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

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

**General Facilities Charge (GFC)** Charges paid by customers for new services.

**2018 PWTF Loans** District was awarded and has accepted a loan from the Public Works Trust Fund to rebuild pump houses.

**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.

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