



Proposed Budget

2025 - 2026



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**Approved Budget
Fiscal Year 2025-2026**

Budget Committee Members

Kevin Bailey
Sunrise Water Authority

James Kerr
Sunrise Water Authority

Chris Hawes
Sunrise Water Authority

Michael Morrow
Sunrise Water Authority

Paul Gornick
Oak Lodge Water Services

Ron Weigel
Oak Lodge Water Services

Kevin Williams
Oak Lodge Water Services

Robert Weber
Oak Lodge Water Services

Luke Roberts
City of Gladstone

Nina Harrington
City of Gladstone

Budget Officer

Jamey Pietzold, Interim Finance Director
Office (503) 761-0220 ext. 150

Administrative Office

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Milwaukie, OR 97267
Office (503) 654-7765
Fax (503) 653-1973

**North Clackamas County Water Commission
Approved Budget
Fiscal Year 2025-2026**

Table of Contents

	Page
Budget Calendar	5
Budget Message	6
All Fund Summary	7
Fund Detail	
10 General Fund	8 - 9
13 Plant Reserve Fund	10
17 Revenue Bond Reserve	11
19 Revenue Bond Redemption Fund	12
Descriptions-Materials & Services	13 - 14
Staff Travel, Training and Dues	15
Capital Outlay	16 - 28

**NORTH CLACKAMAS COUNTY WATER COMMISSION
BUDGET CALENDAR
Fiscal Year 2025-2026**

- | | |
|------------------|---|
| January 23, 2025 | - Appoint Budget Officer
- Approve Budget Schedule |
| March 5, 2025 | - Publish notice of Budget Committee Meeting
(5-30 days prior) |
| March 19, 2025 | - Publish 2nd notice of Budget Committee Meeting |
| March 21, 2025 | - Proposed budget sent to Budget Committee |
| March 27, 2025 | - Appoint Budget Committee
- Budget Committee Meeting |
| April 24, 2025 | - Budget Committee Meeting (if necessary) |
| June 11, 2025 | - Publish Notice and Summary of Budget Adoption hearing |
| June 28, 2025 | - Conduct Public Hearing to Adopt Budget |

ADMINISTRATIVE OFFICE
14496 SE River Road
Milwaukie, OR 97267
Tel. (503) 654-7765
Fax (503) 653-1973



TREATMENT PLANT
14275 S. Clackamas River Dr.
Oregon City, OR 97045
Tel. (503) 723-3505
Fax (503) 723-350

March 27, 2025

North Clackamas County Water Commission Budget Committee Members:

Thank you for taking your time to participate in the budget process for the North Clackamas County Water Commission (NCCWC). We are pleased to present the NCCWC's proposed budget for fiscal year 2025-2026 for your consideration and approval.

This past year has created several challenges to staff and operations. Staff continues to work tirelessly to restore membrane filter efficiency and make significant improvements to key treatment operations, while managing their way through significant personnel changes. We are fortunate to now have in place a highly experienced professional team of operators and management. We have also initiated groundbreaking cooperations with NW Natural Water Services to begin building important, long-term labor and equipment reserves. The staff is very proud of its continuous record in meeting all State and Federal regulatory compliance standards.

To this end, the NCCWC remains in sound financial condition. The General Fund is strategically managed to balance operational costs with responsible rate adjustments in support of ongoing operations. The Plant Reserve Fund also continues to accumulate important resources designed to ensure long-term infrastructure sustainability. In this coming fiscal year 2026, the General Fund budget projection totals \$6.14 million. This total includes an operating budget of \$2.85 million for personnel and material & services, along with \$1.49 million in wholesale water purchases from Clackamas River Water. The projected increase in operating expenditures for fiscal year 2026 is 15.7%, which includes a 17.0% increase in personnel services and an increase of 15.4% in material & services. Personnel increases are mainly reflected in salaries, benefits, and retirement; while material & services increases are mainly reflected in wholesale water, contracted services, information technology, professional services, and electricity.

The General Fund also includes other expenditures totaling \$1.55 million, composed of \$750,000 in transfers to the Plant Reserve Fund, a \$300,000 special payment to a PERS set-aside account which this year is eligible for an Employer Incentive Fund match, and \$500,000 in contingency. Total proposed expenditures equal \$5.89 million, resulting in an ending fund balance of \$246,559.

Expenditures are balanced by an estimate in direct water sales of \$3.5 million (from plant production) along with the resale (or passthrough) of the wholesale water purchases from CRW of \$1.49 million.

By design, capital funding is executed in the Plant Reserve Fund. Planned capital expenditure totals \$1.16 million, including \$50,000 for SCADA system upgrades & cybersecurity improvements, \$630,000 for equipment, \$100,000 for membrane replacement study, \$200,000 for facility improvements, and 180,000 for restoration of the emergency pipeline and water management & conservation plan. This fund also includes a \$500,000 Contingency, bringing the planned requirements to \$1.66 million.

Thank you for support in the budget process and for your dedication to the North Clackamas County Water Commission.

Respectfully submitted,

Wade Hathhorn
General Manager

**North Clackamas County Water Commission
All Fund Summary
Fiscal Year 2025-2026**

Funds	10 General Fund	13 Plant Reserve	17 Bond Reserve	19 Bond Redemption	Totals
Resources					
Beginning Balance	\$ 1,037,559	\$ 6,156,884	\$ -	\$ -	\$ 7,194,443
Interest	18,000	162,000	-	-	180,000
Water Sales	5,000,000	-	-	-	5,000,000
Miscellaneous	87,000	-	-	-	87,000
Transfers	-	750,000	-	-	750,000
Total Resources	\$ 6,142,559	\$ 7,068,884	\$ -	\$ -	\$ 13,211,443
Expenditures					
Personnel Services	\$ 859,000	\$ -	\$ -	\$ -	\$ 859,000
Material & Services	3,487,000	-	-	-	3,487,000
Capital Outlay	-	1,160,000	-	-	1,160,000
Debt	-	-	-	-	-
Transfers & Contingency	1,550,000	500,000	-	-	2,050,000
Reserved for Future Expenditure	100,000	1,500,000	-	-	1,600,000
Unappropriated Fund Balance	146,559	3,908,884	-	-	4,055,443
Total Requirements	\$ 6,142,559	\$ 7,068,884	\$ -	\$ -	\$ 13,211,443

**North Clackamas County Water Commission
Proposed Budget FY 2025-2026**

Actual 2022-2023	Actual 2023-2024	Adopted Budget 2024-2025	Fund - Acct	DESCRIPTION	Proposed Budget 2025-2026	Approved Budget 2025-2026	Adopted Budget 2025-2026
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10 GENERAL FUND

1,585,797	1,760,504	1,118,054	3000	Beginning Fund Balance	1,037,559		
36,839	58,318	5,000	4010	Interest	18,000		
3,166,271	3,189,448	3,164,000	4020	Water Sales	3,504,000		
1,114,246	1,124,889	1,152,000	-01	OLWD 1,375,000 (ccf)	1,238,000		
563,887	594,733	589,000	-02	City Gladstone 725,000 (ccf)	653,000		
1,470,462	1,453,022	1,408,000	-03	SWA 1,775,000 (ccf)	1,598,000		
17,676	16,804	15,000	-09	Clackamas River Water	15,000		
1,257,754	1,870,206	1,400,000	4025	Wholesale Water Sales	1,496,000		
35,531	38,122	-	4060	Miscellaneous	87,000		
106,204	-	-	4100	TRANSFERS IN	-		
102,902	-	-	-17	Revenue Bond Debt Service Reserve	-		
3,302	-	-	-19	Revenue Bond Redemption Fund	-		
\$ 6,188,396	\$ 6,916,599	\$ 5,687,054		TOTAL RESOURCES	\$ 6,142,559		

10 PERSONNEL SERVICES:

328,638	348,469	380,000	5000	Plant Operators	439,000		
58,387	48,922	52,000	5005	Overtime/On Call	69,000		
11,626	-	-	5040	Apprenticeship	-		
-	-	20,000	5045	Internship	22,000		
102,393	112,700	127,000	5050	Medical, Dental, Vision	143,000		
77,536	96,380	105,000	5060	Retirement	133,000		
34,124	32,316	39,000	5070	Payroll Taxes	45,000		
6,795	9,008	11,000	5080	Workers' Compensation Ins.	8,000		
\$ 619,499	\$ 647,795	\$ 734,000		TOTAL PERSONNEL SERVICES	\$ 859,000		

10 MATERIALS AND SERVICES:

1,280,658	1,745,654	1,400,000	5204	Wholesale Water Purchases	1,496,000		
129,937	137,746	146,000	5206	Contracted Services	372,000		
38,329	39,862	45,000	-10	Management	54,000		
-	-	-	-11	Operations Mgt (NW Natural)	150,000		
27,736	29,325	32,000	-12	Plant Engineer	40,000		
48,000	51,575	51,000	-13	Financial	110,000		
15,872	16,984	18,000	-16	HVAC Maintenance	18,000		
1,906	2,554	9,000	5208	General Office Supplies/Postage	5,000		
5,254	14,888	17,500	5210	Permits/Licensing Fees	18,000		
74,091	81,188	99,000	5212	Insurance - General	104,000		
16,273	13,754	15,000	5215	Computers/Technology	60,000		
209,351	206,103	264,000	5230	Professional Services	328,000		
47,300	34,520	45,000	-04	Audit	61,000		
9,788	4,018	25,000	-06	Legal	15,000		
555	6,421	25,000	-08	Engineering / General	75,000		
151,708	161,145	169,000	-21	Watershed Services	177,000		
166,059	124,922	170,000	5236	Water Treatment	170,000		
13,163	9,673	15,000	-10	Water Analysis & Testing	15,000		
125,940	101,263	130,000	-11	Chemicals	130,000		
26,956	13,986	25,000	-12	Instrumentation & Lab Supplies	25,000		

**North Clackamas County Water Commission
Proposed Budget FY 2025-2026**

Actual 2022-2023	Actual 2023-2024	Adopted Budget 2024-2025	Fund - Acct	DESCRIPTION	Proposed Budget 2025-2026	Approved Budget 2025-2026	Adopted Budget 2025-2026
10 GENERAL FUND (continued)							
10 MATERIALS AND SERVICES: (continued)							
1,750	7,307	17,500	5238	Telemetry (SCADA)	18,000		
498,091	586,559	650,000	5240	Electricity	689,000		
19,748	13,080	29,700	5244	Education/Training/Dues	20,000		
9,563	9,610	10,000	5245	Telephone	8,000		
-	849	500	5246	Travel/Mileage	1,500		
53	297	1,000	5247	Books and Publications	500		
876	1,337	1,000	5248	Public notices	1,000		
3,959	2,801	3,000	5250	Other Utilities	4,000		
2,140	2,133	2,000	-10	Natural Gas	2,000		
1,819	668	1,000	-20	Garbage	2,000		
9,086	3,368	5,000	5252	Miscellaneous	5,000		
-	-	1,200	5256	Commissioner Expenses	-		
27,840	12,723	32,500	5300	Vehicle Equipment Maintenance	23,000		
5,532	5,132	5,000	-10	Vehicle Maintenance	5,000		
8,785	5,104	9,000	-20	Fuels/Oils	5,000		
1,689	-	3,500	-30	Equipment Rental	3,000		
11,834	2,487	15,000	-40	Equipment Maintenance	10,000		
144,198	116,955	139,000	5305	Building & Grounds Maintenance	154,000		
18,124	765	27,000	-10	Building Maintenance	25,000		
11,115	10,890	20,000	-11	Grounds Maintenance	10,000		
2,759	566	2,000	-13	Janitorial Supply	2,000		
-	1,113	5,000	-14	Security Monitoring/Maintenance	5,000		
78,849	87,049	40,000	-15	Plant Maintenance	75,000		
403	-	10,000	-16	Intake Structure Maintenance	2,000		
26,426	10,028	20,000	-17	Membrane Maintenance	20,000		
6,522	6,544	15,000	-20	Safety Supplies	15,000		
9,700	10,000	10,000	5310	Small Tools & Equipment	10,000		
\$ 2,608,393	\$ 3,091,694	\$ 3,020,900		TOTAL MATERIAL & SERVICES	\$ 3,487,000		
\$ 3,227,892	\$ 3,739,489	\$ 3,754,900		TOTAL OPERATING EXPENDITURES	\$ 4,346,000		
10 OTHER REQUIREMENTS							
-	150,000	150,000	6900	Special Payments	300,000		
-	150,000	150,000	-45	PERS Side Account Contribution	300,000		
1,200,000	1,500,000	1,200,000	7300	TRANSFERS OUT	750,000		
1,200,000	1,500,000	1,200,000	-13	Plant Reserve	750,000		
-	-	-	-19	Revenue Bond Debt Redemption	-		
-	-	470,000	9000	Fund Contingency	500,000		
\$ 1,200,000	\$ 1,650,000	\$ 1,820,000		TOTAL OTHER EXPENDITURES	\$ 1,550,000		
\$ 4,427,892	\$ 5,389,489	\$ 5,574,900		TOTAL APPROPRIATIONS	\$ 5,896,000		
\$ -	\$ -	\$ -		RESERVED FOR FUTURE EXPENDITURE	\$ 100,000		
\$ 1,760,504	\$ 1,527,109	\$ 112,154		UNAPPROPRIATED FUND BALANCE	\$ 146,559		
\$ 6,188,396	\$ 6,916,599	\$ 5,687,054		TOTAL REQUIREMENTS	\$ 6,142,559		

**North Clackamas County Water Commission
Proposed Budget FY 2025-2026**

Actual 2022-2023	Actual 2023-2024	Adopted Budget 2024-2025	Fund - Acct	DESCRIPTION	Proposed Budget 2025-2026	Approved Budget 2025-2026	Adopted Budget 2025-2026
13 PLANT RESERVE FUND							
5,058,689	5,186,223	4,556,222	3000	Beginning Fund Balance	6,156,884		
144,175	259,920	50,000	4010	Interest	162,000		
27,940	-	-	4060	Miscellaneous Income	-		
1,200,000	1,500,000	1,200,000	4100	TRANSFERS IN	750,000		
1,200,000	1,500,000	1,200,000	-10	General Fund	750,000		
\$ 6,430,804	\$ 6,946,143	\$ 5,806,222		TOTAL RESOURCES	\$ 7,068,884		
1,244,582	1,408,172	995,000	7000	CAPITAL OUTLAY	1,160,000		
-	-	200,000	-10	Computers/SCADA/Technology	50,000		
184,973	88,409	325,000	-20	Equipment	630,000		
916,040	1,303,589	-	-30	Sand	-		
-	-	100,000	-40	Membranes	100,000		
37,870	-	170,000	-50	Buildings	200,000		
105,699	16,174	200,000	-60	Other	180,000		
-	-	300,000	9000	Fund Contingency	500,000		
1,244,582	1,408,172	1,295,000		TOTAL CAPITAL OUTLAY & OTHER EXP.	1,660,000	-	
1,244,582	1,408,172	1,295,000		TOTAL APPROPRIATIONS	1,660,000	-	
\$ -	\$ -	\$ -		RESERVED FOR FUTURE EXPENDITURE	\$ 1,500,000		
\$ 5,186,222	\$ 5,537,971	\$ 4,511,222		UNAPPROPRIATED FUND BALANCE	\$ 3,908,884		
\$ 6,430,804	\$ 6,946,143	\$ 5,806,222		TOTAL REQUIREMENTS	\$ 7,068,884		

North Clackamas County Water Commission
Proposed Budget FY 2025-2026

Actual 2022-2023	Actual 2023-2024	Adopted Budget 2024-2025	Fund - Acct	DESCRIPTION	Proposed Budget 2025-2026	Approved Budget 2025-2026	Adopted Budget 2025-2026
17 REVENUE BOND DEBT SERVICE RESERVE							
102,902	-	-	3000	Beginning Fund Balance	-		
-	-	-	4010	Interest	-		
-	-	-	4100	TRANSFERS IN	-		
-	-	-	-10	General Fund	-		
\$ 102,902	\$ -	\$ -		TOTAL RESOURCES	\$ -		
102,902	-	-	7300	TRANSFERS OUT	-		
102,902	-	-	-10	General Fund	-		
-	-	-	9000	Fund Contingency	-		
\$ 102,902	\$ -	\$ -		TOTAL APPROPRIATIONS	\$ -		
\$ -	\$ -	\$ -		UNAPPROPRIATED FUND BALANCE	\$ -		
\$ 102,902	\$ -	\$ -		TOTAL REQUIREMENTS	\$ -		

North Clackamas County Water Commission
Proposed Budget FY 2025-2026

Actual 2022-2023	Actual 2023-2024	Adopted Budget 2024-2025	Fund - Acct	DESCRIPTION	Proposed Budget 2025-2026	Approved Budget 2025-2026	Adopted Budget 2025-2026
19 REVENUE BOND REDEMPTION FUND							
3,302	-	-		3000 Beginning Fund Balance	-		
-	-	-		4010 Interest	-		
-	-	-		4100 TRANSFERS IN	-		
-	-	-	-10	General Fund	-		
\$ 3,302	\$ -	\$ -		TOTAL RESOURCES	\$ -		
\$ -	\$ -	\$ -		5390 DEBT SERVICE	\$ -		
-	-	-	-20	Principal Payment	-		
-	-	-	-25	Interest Payment	-		
-	-	-	-50	Fiscal Agent Fees, Misc.	-		
				TOTAL DEBT SERVICE	-		
3,302	-	-		7300 TRANSFERS OUT	-		
3,302	-	-	-10	General Fund	-		
-	-	-		9000 Fund Contingency	-		
\$ 3,302	\$ -	\$ -		TOTAL APPROPRIATIONS	\$ -		
\$ -	\$ -	\$ -		UNAPPROPRIATED FUND BALANCE	\$ -		
\$ 3,302	\$ -	\$ -		TOTAL REQUIREMENTS	\$ -		

Descriptions - Materials & Services

Account #	Description	Budget
5204	Wholesale Water Purchase	1,496,000
	Cost of purchasing water from other sources.	
5206	Contracted Services	372,000
	Charges for services contracted for operations and management necessary for water production.	
5208	General Office Expense	5,000
	Supplies, postage, forms, stationery, office reproductions supplies, and other miscellaneous office supplies. Does not include subscriptions, books, and publications.	
5210	Permits/Licensing Fees	18,000
	Cost of permits and licensing fees necessary or required for the production of drinking water. Includes fees paid to DEQ, OHA, and other regulatory entities.	
5212	Insurance	104,000
	Cost of insurance premiums to include but not limited to property, liability, and auto coverage.	
5215	Computers/Technology	60,000
	Costs associated with computer technology including hardware, software, licensing, associated peripherals and accessories.	
5230	Professional Services	328,000
	Covers legal counsel, auditing service, consulting engineering services, source water protection and conservation program.	
5236	Water Treatment	170,000
	Cost of water quality sample analysis including cost of chemicals, lab supplies, instrumentation supplies and equipment necessary for the testing process (non-capital)	
5238	Telemetry	18,000
	Cost of collection and transmission of measurements and other data for monitoring. Includes costs of Supervisory and Data Acquisition (SCADA) system.	
5240	Electricity	689,000
	Electric utility costs associated with production operations and facilities.	
5244	Education/Travel/Training/Dues	20,000
	Costs associated with employee continuing education and training to maintain certification requirements. Includes related travel expenditures and membership in related professional organizations.	

Descriptions - Materials & Services

Account #	Description	Budget
5245	Telephone	8,000
	Cost associated with telephony, including phone, fax, and mobile devices.	
5246	Mileage	1,500
	Reimbursement for the cost of private mileage incurred by an employee when traveling for business purposes.	
5247	Books and Publications	500
	Cost of reference material used in the normal course of business, such as books, magazines, periodicals, leaflets, pamphlets, etc.	
5248	Public Notices	1,000
	Cost of published required public notifications in accordance with public law.	
5250	Other Utilities	4,000
	Cost of fuels and utilities for facilities, such as heat, gas, light, power, water, sewer, garbage, and steam. Excludes cost of electricity used for water production.	
5252	Miscellaneous	5,000
	Cost of incidental expenses arising during the year not classified in other accounts.	
5256	Commissioner Expense	-
	Reimburse of costs to Board Members for associated meeting costs.	
5300	Vehicle and Equipment Maintenance	23,000
	Costs of maintaining vehicle and equipment including fuel, repairs, tires, oil and other cost to maintain in good working condition.	
5305	Building and Grounds	154,000
	Cost of maintaining buildings and grounds, including landscaping services, janitorial, wiring, plumbing, carpentry, painting, etc.	
5310	Small Tools & Equipment	10,000
	Cost of small tools and equipment necessary for the performance of work (non-capital).	
	Total	3,487,000

North Clackamas County Water Commission
2025-2026 Budget - Line Item Detail
 Staff Travel, Training, and Dues
 5244 / 5246

Description	Registration Fees	Transport Costs	Lodging Expense	Meal Expense	Total Cost
AWWA Annual Conference	\$ 1,000	\$ 1,500	\$ 2,300	\$ 300	\$ 5,100
AWWA Water Quality Conf.	1,000	1,500	2,300	300	5,100
Water Works School	700	-	-	50	750
NWMOA	800	1,500	1,000	250	3,550
CCC WET Student Scholarship	5,500				5,500
Mileage		1,500			1,500
Totals	\$ 9,000	\$ 6,000	\$ 5,600	\$ 900	\$ 21,500

**North Clackamas County Water Commission
2025-2026 Budget
Capital Outlay**

Fund 13 Capital Outlay Account Number Listing

	Proposed Budget
7000 CAPITAL OUTLAY	1,160,000
-10 Computers/SCADA/Technology	50,000
-20 Equipment	630,000
-30 Sand	-
-40 Membranes	100,000
-50 Buildings	200,000
-60 Other	180,000

Capital Project Summary Overview			
Account #	Account Description	Project Name	Budget
-10	Computers/SCADA/Technology	SCADA System Upgrade & Cybersecurity Improvements	50,000
-20	Equipment	Variable Frequency Drive (VFD) Finished Water Pump 4 Replacement	100,000
-20	Equipment	Finished Water Pump 1 Motor Replacement	100,000
-20	Equipment	Membrane Filtration Pumps 2 & 3 - Motor & VFD Replacements	150,000
-20	Equipment	Vehicle Truck with Lift/Dump Bed (F250/350 equiv)	80,000
-20	Equipment	Membrane Coagulation Instrumentation & Control	100,000
-20	Equipment	Power Conditioning (Electrical)	100,000
-30	Sand	NA for FY26	-
-40	Membranes	Membrane Replacement Study	100,000
-50	Buildings	Cameras and Security System Replacement	100,000
-50	Buildings	Chemical Pump Skids	100,000
-60	Other	Restore Cathodic Protection Equipment on Emergency Pipeline	150,000
-60	Other	Water Management and Conservation Plan	30,000
Subtotal			1,160,000

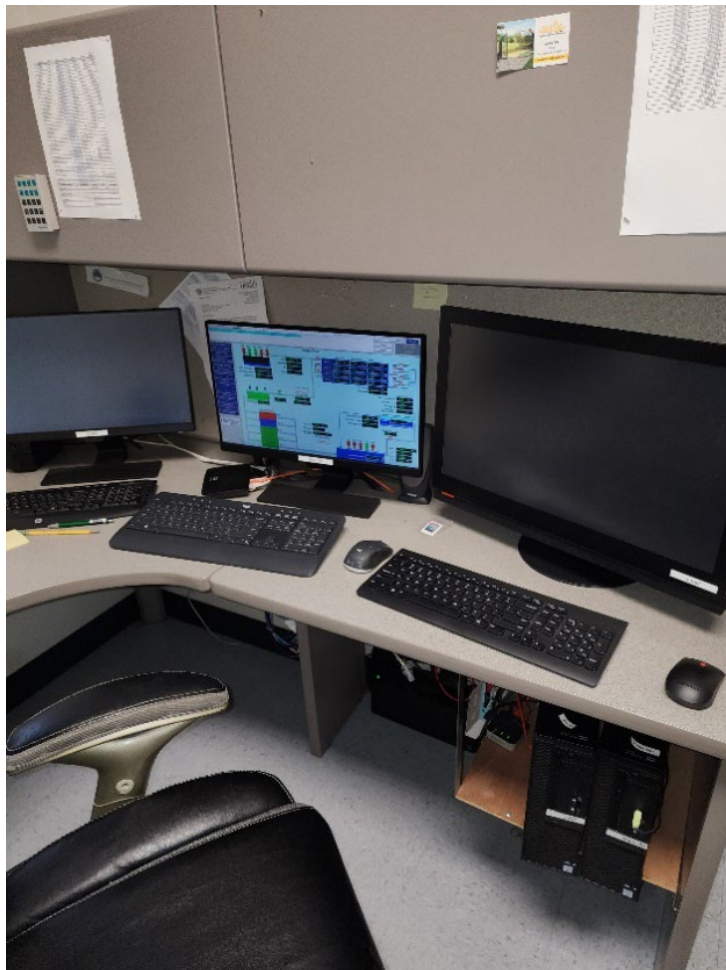
**North Clackamas County Water Commission
2025-2026 Budget
Capital Outlay Description**

Item: SCADA System Upgrade and Cybersecurity Improvements

Cost: \$ 50,000

GL Code: 13.7000.10

Description: Improvements are needed to upgrade the remote control/access system for plant operations and replace the on-site computer system, including making related cybersecurity enhancements. The upgraded system would include new computers, updated SCADA software and new redundant remote communication systems. This activity is carried forward from prior year.



**North Clackamas County Water Commission
2025-2026 Budget
Capital Outlay Description**

Item: Replace Variable Frequency Drive (VFD) for Finished Water Pump #4

Cost: \$ 100,000

GL Code: 13.7000.20

Description The variable frequency drive for finished water pump #4 requires replacement. This activity is carried forward from prior year.



**North Clackamas County Water Commission
2025-2026 Budget
Capital Outlay Description**

Item: Finished Water Pump 1 Motor Replacement

Cost: \$ 100,000

GL Code: 13.7000.20

Description: The finished water pump 1 motor requires a full replacement. This finished water pump has the highest hours of runtime. This motor has been rebuilt numerous times without achieving full working capacity and efficiency. This activity is carried forward from prior year.



**North Clackamas County Water Commission
2025-2026 Budget
Capital Outlay Description**

Item: Membrane Filtrate Pumps (2 & 3) Motor and VFD Replacements

Cost: \$ 150,000

GL Code: 13.7000.20

Description: Membrane filtrate pumps are from the original build in 2005. The Water Treatment Master Plan identified replacement of two of the five filtrate pump motors and variable frequency drives (VFD) to be replaced. This activity is carried forward from prior year.



**North Clackamas County Water Commission
2025-2026 Budget
Capital Outlay Description**

Item: Vehicle Truck with Lift\Dump Bed

Cost: \$ 80,000

GL Code: 13.7000.20

Description: A truck with a lift\dump bed is needed as part of the system to remove spent sand from the slow sand beds. The current tractor/tailer setup is open to weather which results in staff exposure to wet, cold, and heat extremes. Additionally the dump trailer reached its useful life and requires replacement. A truck with lift\dump bed addresses concerns regarding staff wellbeing and replacement of the dump trailer. This activity is partially carried forward from prior year.



**North Clackamas County Water Commission
2025-2026 Budget
Capital Outlay Description**

Item: Membrane Coagulation Instrumentation & Control

Cost: \$ 100,000

GL Code: 13.7000.20

Description: Direct adjustment of coagulation chemical (ACH) to the membrane system is not possible with the current installation and sampling locations. Adding a sample port to the coagulation water pipe before it enters the membrane process will allow coagulated water to be tested for its charge and adjusted as necessary. Includes eta machine and integration with SCADA control.



**North Clackamas County Water Commission
2024-2025 Budget
Capital Outlay Description**

Item: Power Conditioning (Electrical Line Conditioning)

Cost: \$ 100,000

GL Code: 13.7000.20

Description: Energy variances into the plant requires power conditioning to stabilize energy and protect plant assets.



**North Clackamas County Water Commission
2025-2026 Budget
Capital Outlay Description**

Item: Membrane Replacement Study

Cost: \$ 100,000

GL Code: 13.7000.40

Description: In anticipation of replacement of all current membrane filters planned for 2027, a review of sourcing, technology, capacity, and current design needs to be studied to ensure this project is a success to set-up the plant for the future decade. This activity is carried forward from prior year.



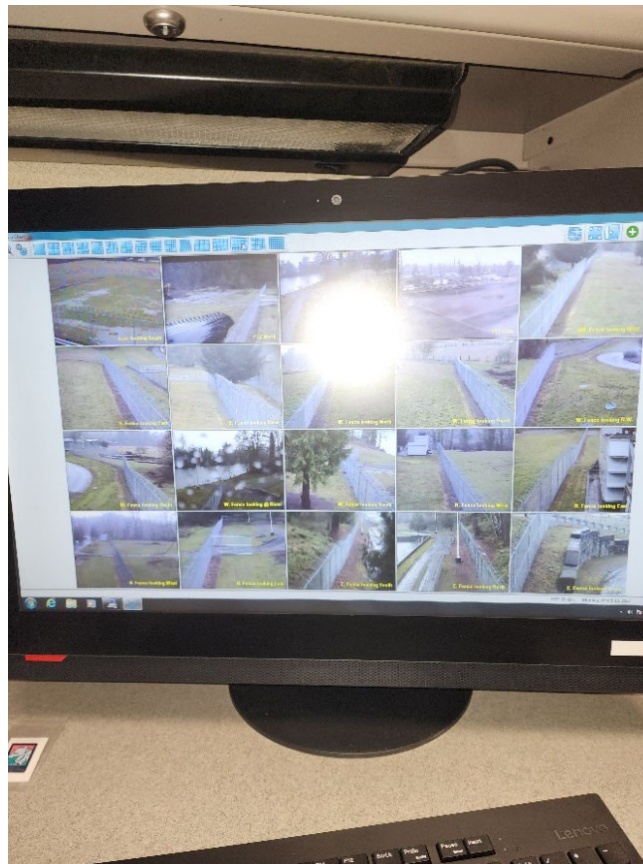
**North Clackamas County Water Commission
2025-2026 Budget
Capital Outlay Description**

Item: Camera and Security System Replacement

Cost: \$ 100,000

GL Code: 13.7000.50

Description: The existing cameras and key components of the security system were installed in 2005 and intermittently fail. This activity will modernize the system and upgrade its functionality. This activity is carried forward from prior year.



**North Clackamas County Water Commission
2024-2025 Budget
Capital Outlay Description**

Item: Chemical Pump Skids

Cost: \$ 100,000

GL Code: 13.7000.50

Description: The chemical pumps skids have exhausted their useful life and require replacement. The activity will reconfigure the pump skid containment area to relocate controls, replace pumps, plumbing,, etc. This activity is carried forward from prior year.



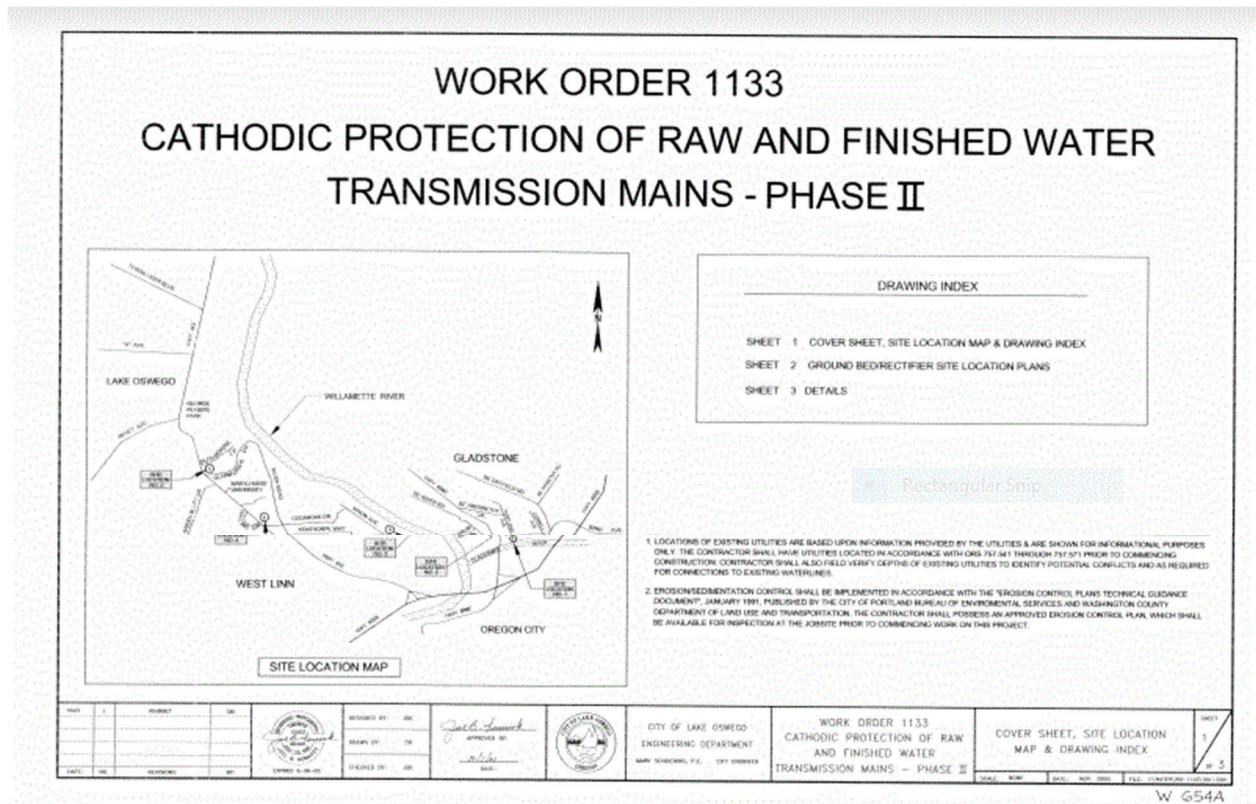
**North Clackamas County Water Commission
2025-2026 Budget
Capital Outlay Description**

Item: Restore Cathodic Protection Equipment on Emergency Pipeline

Cost: \$ 150,000

GL Code: 13.7000.60

Description: In 2017, NCCWC acquired the old raw water pipeline serving the Lake Oswego treatment plant from their intake on the Clackamas River. The pipeline is being repurposed to serve as an important non-potable delivery option across the Willamette River during an emergency (up to 6-8 MGD). Prior to its abandonment, the pipeline was protected by an active cathodic (corrosion) protection system. This project includes an investigation into the restoration of that system, along with related design and implementation. This activity is carried forward from prior year.



**North Clackamas County Water Commission
2024-2025 Budget
Capital Outlay Description**

Item: Water Management & Conservation Plan Update

Cost: \$ 30,000

GL Code: 13.7000.60

Description: The water right(s) for the NCCWC are subject to the state's permit extension rules, requiring the preparation of a Water Management & Conservation Plan (as prescribed under OAR 690-086). While the rule requires these plans to be updated every 10 years, the NCCWC's permit has been the subject of a 17-year long legal dispute involving the state and other interested parties. With the resolution of that dispute, a new WMCP must be approved by the State of Oregon. NCCWC is actively working through the process and this activity is partially carried forward from prior year.



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