



Proposed Budget

2022 - 2023



*Pacific Northwest Oregon Subsection of the American Water Works Association
Best Tasting Water 2019*



**Proposed Budget
Fiscal Year 2022-2023**

Budget Committee Members

Kevin Bailey
Sunrise Water Authority

Markely Drake
Sunrise Water Authority

Chris Hawes
Sunrise Water Authority

Peter Kreft
Sunrise Water Authority

Paul Gornick
Oak Lodge Water Services

Amanda Gresen
Oak Lodge Water Services

Kevin Williams
Oak Lodge Water Services

Jim Martin
Oak Lodge Water Services

Matt Tracy
City of Gladstone

Open
City of Gladstone

Budget Officer

Gail Stevens, Finance Director
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Administrative Office

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**North Clackamas County Water Commission
Proposed Budget Fiscal Year
2021-2022**

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**NORTH CLACKAMAS COUNTY WATER COMMISSION
BUDGET CALENDAR
Fiscal Year 2022-2023**

- | | |
|-----------------------------------------------|-----------------------------------------------------------------------|
| January 27, 2022 | - Appoint Budget Officer
- Approve Budget Schedule |
| March 9, 2022 | - Publish 1st notice of Budget Committee Meeting |
| March 18, 2022 | - Publish 2nd notice of Budget Committee Meeting
(5-30 days prior) |
| March 19, 2022 | - Proposed budget sent to Budget Committee |
| March 24, 2022
5:30 P.M.
Teleconference | - Appoint Budget Committee
- Budget Committee Meeting |
| April 7, 2022 | - Budget Committee Meeting (if necessary) |
| June 8, 2022 | - Publish Notice and Summary of Budget Adoption hearing |
| June 23, 2022 | - Budget Adoption |

March 24, 2022

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 2022-2023 for your consideration and approval.

Overall, the NCCWC is in sound financial condition. Adequate reserves are being accumulated in the Plant Reserve Fund, while operational costs in the General Fund are being carefully managed to limit wholesale water rate increases. Operations at the Plant remain highly efficient and effective. Staff provide quality service in production, while having adequate capacity to respond during irregular or emergency conditions. Staff is proud to continuously meet all State and Federal regulatory compliance standards.

This year's budget has a notable change from previous years, due to a return of the long-standing supply agreement with Clackamas River Water (CRW) to the NCCWC's budget. Those transactions used to occur under a contractual arrangement formerly assumed by the Sunrise Water Authority. The recent reformation of the NCCWC, along with the anticipated renewal of the supply agreement with CRW, has brought those related transactions back under the NCCWC budget. While they appear to represent a "pass-through" of equivalent wholesale water purchases and sale within the budget, these transactions mark an important part of the overall supply inventory to the NCCWC.

Looking at the overall numbers, the General Fund budget is projected to be \$5.61 million. This total is comprised of an operating budget of \$2.06 million (for the NCCWC Plant), \$1.25 million in wholesale water purchases from CRW, along with \$1.2 million in total transfers to the Plant Reserve Fund. The inclusion of a \$310 thousand Contingency brings the total anticipated expenditures in the General Fund to \$4.8 million, yielding an Ending Fund Balance of \$793 thousand. These requirements are balanced by an estimate in water sales of \$2.9 million and new wholesale water sales of \$1.25 million, along with a Beginning Fund Balance, transfers, and interest of \$1.4 million. Note, a portion of the Beginning Fund Balance is being used to fund the stated Transfers to Plant Reserve.

While the details show a 63.7% increase in the overall Operating Expenditures over last year, this large increase is "skewed" by the addition of the \$1.25 million dollars in "pass through" water purchases added to this year's budget. When correcting for this change, the comparative increase in Operating Expenditures for this next year is just 2.3% over the past year. The projected increase in Personnel Services of 15.3% includes the addition of a fourth member of the operating team at the plant, along with estimated increases for medical and dental benefits of 12% and a combined COLA / Merit increase of 5.0%. Note, the PERS rate remains unchanged under the second year of a biennial State budget. The increases in Personnel Services were, in turn, offset by a reduction in the projected Material & Services (M&S) budget of 2.9% (when excluding the added wholesale water purchases of \$1.25 million). This reduction resulted from a refined estimate of the major operating expenses of \$550 thousand for electricity, and \$145 thousand for water treatment supplies, along with a reduction in contracted and professional services to \$365 thousand – the latter resulting from the removal of funding for contracted staff that was in effect moved to the added position in Personnel Services. The remaining items in M&S include (but are not limited to) expenditures for miscellaneous supplies, insurance, tools, building and grounds maintenance, SCADA, vehicle maintenance, and other related expenditures - totaling \$340 thousand.

The General Fund also includes Transfers to the Plant Reserve Fund totaling \$1,2 million, only \$800 thousand of this amount is included in the water rate estimate for next year while the remainder is from residuals in the Beginning Fund balance. The transfer to the Plant Reserve Fund is to pay for on-going renewal and replacement of key capital items, while building the reserve for high capital need years, like this fiscal year and the next two fiscal years. While the Plant itself remains in very good condition, its age is now requiring on-going repair and replacement of key components. The Board has adopted a 20-year capital plan that recommends annual funding of cash reserves in support of these scheduled repairs and replacements. The funding for this capital is being accomplished with the goal of minimizing long-term debt, resulting in greater long-term rate stability.

It is worthwhile to note that the NCCWC is now debt-free. With the payoff of the debt, the two Debt Service funds are no longer required. The Revenue Bond Debt Service Reserve Fund and Revenue Bond Redemption Fund activity includes a transfer of the remaining balances to the General Fund since the funding originated from the General Fund. Transfers from the General Fund to the Plant Reserve Fund are increased to include these remaining available funds for future capital needs.

The other major fund in the budget is the Plant Reserve Fund. As noted earlier, this fund is used to support the annual planned capital expenditures. With a beginning balance of \$5.0 million, the fund anticipates a \$1.2 million transfer from the General Fund and \$25 thousand in forecasted interest income, bringing the total resources to \$6.2 million. Next year's budget includes a total of \$1.9 million of planned capital expenditures, with \$1.5 million going to re-sanding slow sand filters #1 and #3, \$149 thousand for new or replacement equipment, \$20 thousand for buildings, \$50 thousand to continue a cathodic protection (corrosion) study to be completed for the emergency intertie with Lake Oswego, and \$200 thousand for the Water Treatment Plant Master Plan. A detailed list of the planned capital projects is outlined in the appendix of this document. This fund also includes a \$350 thousand contingency, bringing the planned total expenditures to \$2.3 million.

Staff is pleased to have the opportunity to present a fiscally responsible budget to the Board of Directors and the communities they serve. Your comments and input are greatly appreciated. As we move ahead, we wanted to thank each of you for taking time out of your busy schedules to assist in the budget process and for your dedication to the North Clackamas County Water Commission.

Respectfully submitted,

Wade Hathhorn

Wade Hathhorn
General Manager



Gail Stevens
Finance Director/Budget Officer

**North Clackamas County Water Commission
All Fund Summary
Fiscal Year 2022-2023**

Funds	10 General Fund	13 Plant Reserve	17 Bond Reserve	19 Bond Redemption	Totals
Resources					
Beginning Balance	1,380,050	4,952,018	102,049	5,113	\$ 6,439,230
Interest	5,000	25,000	-	115	\$ 30,115
Water Sales	4,116,000	-	-	-	\$ 4,116,000
Miscellaneous	-	-	-	-	\$ -
Transfers	107,277	1,200,000	-	-	\$ 1,307,277
Total Resources	\$ 5,608,327	\$ 6,177,018	\$ 102,049	\$ 5,228	\$ 11,892,622
Expenditures					
Personnel Services	656,000	-	-	-	\$ 656,000
Material & Services	2,648,450	-	-	-	\$ 2,648,450
Capital Outlay	-	1,919,000	-	-	\$ 1,919,000
Debt	-	-	-	-	\$ -
Transfers & Contingency	1,510,000	350,000	102,049	5,228	\$ 1,967,277
Unappropriated fund balances	793,877	3,908,018	-	-	\$ 4,701,895
Total Requirements	\$ 5,608,327	\$ 6,177,018	\$ 102,049	\$ 5,228	\$ 11,892,622

**North Clackamas County Water Commission
Proposed Budget FY 2022-2023**

Actual 2019-2020	Actual 2020-2021	Adopted Budget 2021-2022	FYE Projection 2021-2022	Fund - Acct	DESCRIPTION	Proposed Budget 2022-2023	Approved Budget 2022-2023	Adopted Budget 2022-2023
10 GENERAL FUND								
412,323	502,762	676,662	1,080,781	3000	Beginning Fund Balance	1,380,050		
3,670	2,537	13,000	2,227	4010	Interest	5,000		
2,452,111	2,841,457	2,710,000	2,710,000	4020	Water Sales	2,866,000		
1,060,505	1,122,174	1,127,000	1,127,000	-01	OLWD 1,470,000 (ccf)	1,150,000		
480,472	498,121	498,000	498,000	-02	City Gladstone 650,000 (ccf)	515,000		
896,677	1,208,668	1,073,000	1,073,000	-03	SWA 1,500,000 (ccf)	1,189,000		
14,457	12,494	12,000	12,000	-09	Clackamas River Water	12,000		
-	-	-	-	4025	Wholesale Water Sales	1,250,000		
-	13,705	-	24,730	4060	Miscellaneous	-		
-	-	-	-	4100	TRANSFERS IN	107,277		
				-17	Revenue Bond Debt Service Reserve	102,049		
				-19	Revenue Bond Redemption Fund	5,228		
\$ 2,868,105	\$ 3,360,461	\$ 3,399,662	\$ 3,817,738		TOTAL RESOURCES	\$ 5,608,327	\$ -	\$ -
10 GENERAL FUND (continued)								
10 PERSONNEL SERVICES:								
284,318	218,572	240,000	236,045	5000	Plant Operators	310,000		
52,044	46,165	50,000	49,718	5005	Overtime/On Call	50,000		
30,378	37,044	-	-	5030	Seasonal/Temporary	-		
-	-	42,000	42,000	5040	Apprenticeship	42,000		
48,966	76,853	120,000	72,564	5050	Medical, Dental, Vision	120,000		
41,692	36,541	70,000	47,876	5060	Retirement	80,000		
36,681	26,740	40,000	25,102	5070	Payroll Taxes	40,000		
4,280	4,222	7,000	7,890	5080	Workers' Compensation Ins.	14,000		
\$ 498,360	\$ 446,139	\$ 569,000	\$ 481,194		TOTAL PERSONNEL SERVICES	\$ 656,000	\$ -	\$ -
10 MATERIALS AND SERVICES:								
-	-	10,000	10,000	5204	Wholesale Water Purchases	1,250,000		
107,685	127,709	221,000	132,899	5206	Contracted Services	133,000		
33,000	33,483	40,000	36,000	-10	Management	40,000		
-	-	93,000	-	-11	Operations Mgmt.	-		
12,000	24,158	25,000	30,000	-12	Plant Engineer	30,000		
48,000	48,340	48,000	52,144	-13	Financial	48,000		
10	7,053	-	-	-14	Membrane Maintenance	-		
14,675	14,675	15,000	14,755	-16	HVAC Maintenance	15,000		
4,908	5,297	8,500	7,143	5208	General Office Supplies/Postage	8,500		
12,055	14,205	17,000	14,945	5210	Permits/Licensing Fees	17,000		
64,498	64,529	80,000	75,515	5212	Insurance - General	85,000		
7,897	827	10,000	5,000	5215	Computers/Technology	10,000		
272,789	209,589	228,000	184,950	5230	Professional Services	232,000		
45,618	35,123	25,000	32,000	-04	Audit	30,000		
91,648	32,426	50,000	478	-06	Legal	25,000		
-	-	10,000	10,000	-08	Engineering / General	25,000		
135,524	142,040	143,000	142,472	-21	Watershed Services	152,000		
233	980	-	-	5235	Postage	-		
88,061	102,132	125,000	132,386	5236	Water Treatment	145,000		
7,102	6,470	15,000	4,498	-10	Water Analysis & Testing	15,000		
76,978	86,646	100,000	102,655	-11	Chemicals	120,000		
3,980	9,016	10,000	25,233	-12	Instrumentation & Lab Supplies	10,000		
8,714	10,927	10,000	7,686	5238	Telemetry (SCADA)	10,000		
408,393	482,450	550,000	506,271	5240	Electricity	550,000		
7,374	7,486	17,250	16,541	5244	Education/Training/Dues	17,250		

**North Clackamas County Water Commission
Proposed Budget FY 2022-2023**

Actual 2019-2020	Actual 2020-2021	Adopted Budget 2021-2022	FYE Projection 2021-2022	Fund - Acct	DESCRIPTION	Proposed Budget 2022-2023	Approved Budget 2022-2023	Adopted Budget 2022-2023
10 GENERAL FUND (continued)								
10 MATERIALS AND SERVICES: (continued)								
6,757	8,681	8,500	8,218	5245	Telephone	8,500		
175	-	500	250	5246	Travel/Mileage	500		
139	914	1,000	500	5247	Books and Publications	1,000		
968	746	1,000	1,000	5248	Public notices	1,000		
2,156	2,537	3,000	2,227	5250	Other Utilities	3,000		
1,555	1,928	2,000	1,524	-10	Natural Gas	2,000		
602	609	1,000	703	-20	Garbage	1,000		
1,047	507	1,000	1,666	5252	Miscellaneous	1,000		
232	-	1,200	300	5256	Commissioner Expenses	1,200		
22,395	27,506	30,000	31,013	5300	Vehicle Equipment Maintenance	32,500		
1,334	11,870	5,000	4,297	-10	Vehicle Maintenance	5,000		
4,494	3,661	5,000	6,716	-20	Fuels/Oils	7,500		
53	50	5,000	5,000	-30	Equipment Rental	5,000		
16,514	11,924	15,000	15,000	-40	Equipment Maintenance	15,000		
58,595	83,447	117,000	127,984	5305	Building & Grounds Maintenance	132,000		
9,080	10,487	15,000	15,000	-10	Building Maintenance	15,000		
12,865	37,962	20,000	33,616	-11	Grounds Maintenance	25,000		
474	1,767	2,000	2,000	-13	Janitorial Supply	2,000		
3,170	1,881	5,000	2,368	-14	Security Monitoring/Maintenance	5,000		
22,276	22,832	40,000	40,000	-15	Plant Maintenance	40,000		
-	443	10,000	10,000	-16	Intake Structure Maintenance	10,000		
10,730	8,075	15,000	15,000	-17	Membrane Maintenance	20,000		
-	-	10,000	10,000	-20	Safety Supplies	15,000		
(7,845)	3,071	10,000	10,000	5310	Small Tools & Equipment	10,000		
\$ 1,067,228	\$ 1,153,541	\$ 1,449,950	\$ 1,276,494		TOTAL MATERIAL & SERVICES	\$ 2,648,450		
\$ 1,565,588	\$ 1,599,680	\$ 2,018,950	\$ 1,757,688		TOTAL OPERATING EXPENDITURES	\$ 3,304,450	\$ -	\$ -
10 CAPITAL OUTLAY								
300	-	-	-	6360	Capital Office Equipment	-		
300	-	-	-	-10	Computers/Technology	-		
319,454	-	-	-	6360	Plant	-		
115,084	-	-	-	-20	Operating Facility	-		
70,448	-	-	-	-21	Tools & Equipment	-		
133,922	-	-	-	-22	Buildings	-		
\$ 319,754	\$ -	\$ -	\$ -		TOTAL CAPITAL OUTLAY	\$ -		
10 OTHER REQUIREMENTS								
480,000	680,000	680,000	680,000	7300	TRANSFERS OUT	1,200,000		
400,000	600,000	600,000	600,000	-13	Plant Reserve	1,200,000		
80,000	80,000	80,000	80,000	-19	Revenue Bond Debt Redemption	-		
-	-	350,000	-	9000	Fund Contingency	310,000		
\$ 480,000	\$ 680,000	\$ 1,030,000	\$ 680,000		TOTAL OTHER EXPENDITURES	\$ 1,510,000	\$ -	\$ -
\$ 2,365,342	\$ 2,279,680	\$ 3,048,950	\$ 2,437,688		TOTAL APPROPRIATIONS	\$ 4,814,450	\$ -	\$ -
\$ 502,762	\$ 1,080,781	\$ 350,712	\$ 1,380,050		UNAPPROPRIATED FUND BALANCE	\$ 793,877	\$ -	\$ -
\$ 2,868,104	\$ 3,360,460	\$ 3,399,662	\$ 3,817,738		TOTAL REQUIREMENTS	\$ 5,608,327	\$ -	\$ -

**North Clackamas County Water Commission
Proposed Budget FY 2022-2023**

Actual 2019-2020	Actual 2020-2021	Adopted Budget 2021-2022	FYE Projection 2021-2022	Fund - Acct	DESCRIPTION	Proposed Budget 2022-2023	Approved Budget 2022-2023	Adopted Budget 2022-2023
13 PLANT RESERVE FUND								
3,850,912	4,336,066	4,680,270	4,781,560	3000	Beginning Fund Balance	4,952,018		
85,154	35,456	50,000	25,458	4010	Interest	25,000		
400,000	600,000	600,000	600,000	4100	TRANSFERS IN	1,200,000		
400,000	600,000	600,000	600,000	-10	General Fund	1,200,000		
\$ 4,336,066	\$ 4,971,522	\$ 5,330,270	\$ 5,407,018		TOTAL RESOURCES	\$ 6,177,018	\$ -	\$ -
-	189,962	455,000	455,000	7000	CAPITAL OUTLAY	1,919,000		
-	-	-	-	-10	Computers/SCADA/Technology	-		
-	162,940	317,000	303,000	-20	Equipment	149,000		
-	-	-	-	-30	Sand	1,500,000		
-	-	-	-	-40	Membranes	-		
-	18,552	63,000	77,000	-50	Buildings	20,000		
-	8,470	75,000	75,000	-60	Other	250,000		
-	-	300,000	-	9000	Fund Contingency	350,000		
-	189,962	755,000	455,000		TOTAL CAPITAL OUTLAY & OTHER EXP.	2,269,000	-	-
-	189,962	755,000	455,000		TOTAL APPROPRIATIONS	2,269,000	-	-
\$ 4,336,066	\$ 4,781,560	\$ 4,575,270	\$ 4,952,018		PLANT RESERVE BALANCE	\$ 3,908,018	\$ -	\$ -
\$ 4,336,066	\$ 4,971,522	\$ 5,330,270	\$ 5,407,018		TOTAL REQUIREMENTS	\$ 6,177,018	\$ -	\$ -

**North Clackamas County Water Commission
Proposed Budget FY 2022-2023**

Actual 2019-2020	Actual 2020-2021	Adopted Budget 2021-2022	FYE Projection 2021-2022	Fund - Acct	DESCRIPTION	Proposed Budget 2022-2023	Approved Budget 2022-2023	Adopted Budget 2022-2023
17 REVENUE BOND DEBT SERVICE RESERVE								
99,324	101,513	102,472	101,513	3000	Beginning Fund Balance	102,049		
2,189	808	1,000	536	4010	Interest	-		
-	-	-	-	4100	TRANSFERS IN	-		
-	-	-	-	-10	General Fund	-		
\$ 101,513	\$ 102,321	\$ 103,472	\$ 102,049		TOTAL RESOURCES	\$ 102,049	\$ -	\$ -
-	-	-	-	4100	TRANSFERS OUT	102,049	-	-
-	-	-	-	-10	General Fund	102,049		
-	-	-	-	9000	Fund Contingency	-		
	\$ -	\$ -	\$ -		TOTAL APPROPRIATIONS	\$ 102,049	\$ -	\$ -
\$ 101,513	\$ 102,321	\$ 103,472	\$ 102,049		BOND RESERVE BALANCE	\$ -	\$ -	\$ -
\$ 101,513	\$ 102,321	\$ 103,472	\$ 102,049		TOTAL REQUIREMENTS	\$ 102,049	\$ -	\$ -

**North Clackamas County Water Commission
Proposed Budget FY 2022-2023**

Actual 2019-2020	Actual 2020-2021	Adopted Budget 2021-2022	FYE Projection 2021-2022	Fund - Acct	DESCRIPTION	Proposed Budget 2022-2023	Approved Budget 2022-2023	Adopted Budget 2022-2023
19 REVENUE BOND REDEMPTION FUND								
2,869	2,138	318	2,138	3000	Beginning Fund Balance	5,113		
-	1	7	-	4010	Interest	115		
80,000	80,000	80,000	80,000	4100	TRANSFERS IN	-		
80,000	80,000	80,000	80,000	-10	General Fund	-		
\$ 82,869	\$ 82,139	\$ 80,325	\$ 82,138		TOTAL RESOURCES	\$ 5,228	\$ -	\$ -
\$ 80,731	\$ 79,811	\$ 77,775	\$ 77,025	5390	DEBT SERVICE	\$ -	\$ -	\$ -
70,000	75,000	75,000	75,000	-20	Principal Payment	-		
9,981	4,061	2,025	2,025	-25	Interest Payment	-		
750	750	750	-	-50	Fiscal Agent Fees, Misc.	-		
					TOTAL DEBT SERVICE			
-	-	-	-	7300	TRANSFERS OUT	5,228		
-	-	-	-	-10	General Fund	5,228		
-	-	-	-	9000	Fund Contingency	-		
\$ 80,731	\$ 79,811	\$ 77,775	\$ 77,025		TOTAL APPROPRIATIONS	\$ 5,228	\$ -	\$ -
\$ 2,138	\$ 2,328	\$ 2,550	\$ 5,113		REDEMPTION FUND BALANCE	\$ -	\$ -	\$ -
\$ 82,869	\$ 82,139	\$ 80,325	\$ 82,138		TOTAL REQUIREMENTS	\$ 5,228	\$ -	\$ -

Descriptions - Materials & Services

Account #	Description	Budget
5204	Wholesale Water Purchase	1,250,000
	Cost of purchasing water from other sources in the event that current production cannot meet demands.	
5206	Contracted Services	133,000
	Charges for services contracted for operations and management necessary for water production.	
5208	General Office Expense	8,500
	Supplies, postage, forms, stationery, office reproductions supplies, and other miscellaneous office supplies. Does not include subscriptions, books, and publications.	
5210	Permits/Licensing Fees	17,000
	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	85,000
	Cost of insurance premiums to include but not limited to property, liability, and auto coverage.	
5215	Computers/Technology	10,000
	Costs associated with computer technology including hardware, software, licensing, associated peripherals and accessories.	
5230	Professional Services	232,000
	Covers legal counsel, auditing service, consulting engineering services, source water protection and conservation program.	
5236	Water Treatment	145,000
	Cost of water quality sample analysis including cost of chemicals, lab supplies, instrumentation supplies and equipment necessary for the testing process with a replacement value of less that \$5,000.	
5238	Telemetry	10,000
	Cost of collection and transmission of measurements and other data for monitoring. Includes costs of Supervisory and Data Acquisition (SCADA) system.	
5240	Electricity	550,000
	Electric utility costs associated with production operations and facilities.	
5244	Education/Travel/Training/Dues	17,250
	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	8,500
	Cost associated with telephony, including phone, fax, and mobile devices.	
5246	Mileage	500
	Reimbursement for the cost of private mileage incurred by an employee when traveling for business purposes.	
5247	Books and Publications	1,000
	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	3,000
	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	1,000
	Cost of incidental expenses arising during the year not classified in other accounts.	
5256	Commissioner Expense	1,200
	Reimburse of costs to Board Members for associated meeting costs.	
5300	Vehicle and Equipment Maintenance	32,500
	Costs of maintaining vehicle and equipment including fuel, repairs, tires, oil and other cost to maintain in good working condition.	
5305	Building and Grounds	132,000
	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 with a replacement value of less than \$5,000 per item necessary for the performance of work.	
	Total	2,648,450

North Clackamas County Water Commission
2022-2023 Budget - Line Item Detail
 Staff Travel, Training, and Dues
 5244/5246

# Attending	Sponsor	Dates	Registration Fees	Transport Costs	Lodging Expense	Meal Expense	Total Cost
1	AWWA Annual Conference	June	\$ 1,000	\$ 900	\$ 2,500	\$ 150	\$ 4,550
1	AWWA Water Quality Conf.	Nov	\$ 1,000	\$ 900	\$ 2,500	\$ 150	\$ 4,550
1	Water Works School	June	\$ 700	\$ -	\$ -	\$ 50	\$ 750
	Miscellaneous Seminars		\$ 4,000	\$ -	\$ -	\$ 400	\$ 4,400
2	NWMOA	Misc.	\$ 800	\$ 900	\$ 1,000	\$ 300	\$ 3,000
	Mileage			\$ 500			\$ 500
						Total	\$ 17,750

**North Clackamas County Water Commission
2022-2023 Budget
Capital Outlay**

Fund 13 Capital Outlay Account Number Listing

	Proposed Budget
7000 CAPITAL OUTLAY	1,919,000
-10 Computers/SCADA/Technology	-
-20 Equipment	149,000
-30 Sand	1,500,000
-40 Membranes	-
-50 Buildings	20,000
-60 Other	250,000

Capital Project Summary Overview

Account #	Account Description	Page#	Project Name	Budget
-10	Computers/SCADA/Technology			-
-20	Equipment		Chlorine Analyzer Replacement x3	12,000
-20	Equipment		Fleet Truck Replacement	53,000
-20	Equipment		PAC Basin Motors and Gearboxes x2	35,000
-20	Equipment		Membrane Filtration- Pneumonic Actuator Seals	20,000
-20	Equipment		Schmutzdecke Cleaning Trailer Replacement	12,000
-20	Equipment		Slow Sand Filtration - Turbidity Meter Replacement x5	17,000
-30	Sand		Slow Sand Filtration - Resand Filters #1 and #3	1,500,000
-40	Membranes			-
-50	Buildings		Lab- Replace Countertops and Increase Counter Space	15,000
-50	Buildings		Offices and bathrooms - Replace floors	5,000
-60	Other		Corrosion Study for Lake Oswego Emergency Pipeline	50,000
-60	Other		Water Treatment Plant Master Plan	200,000
Subtotal				1,919,000

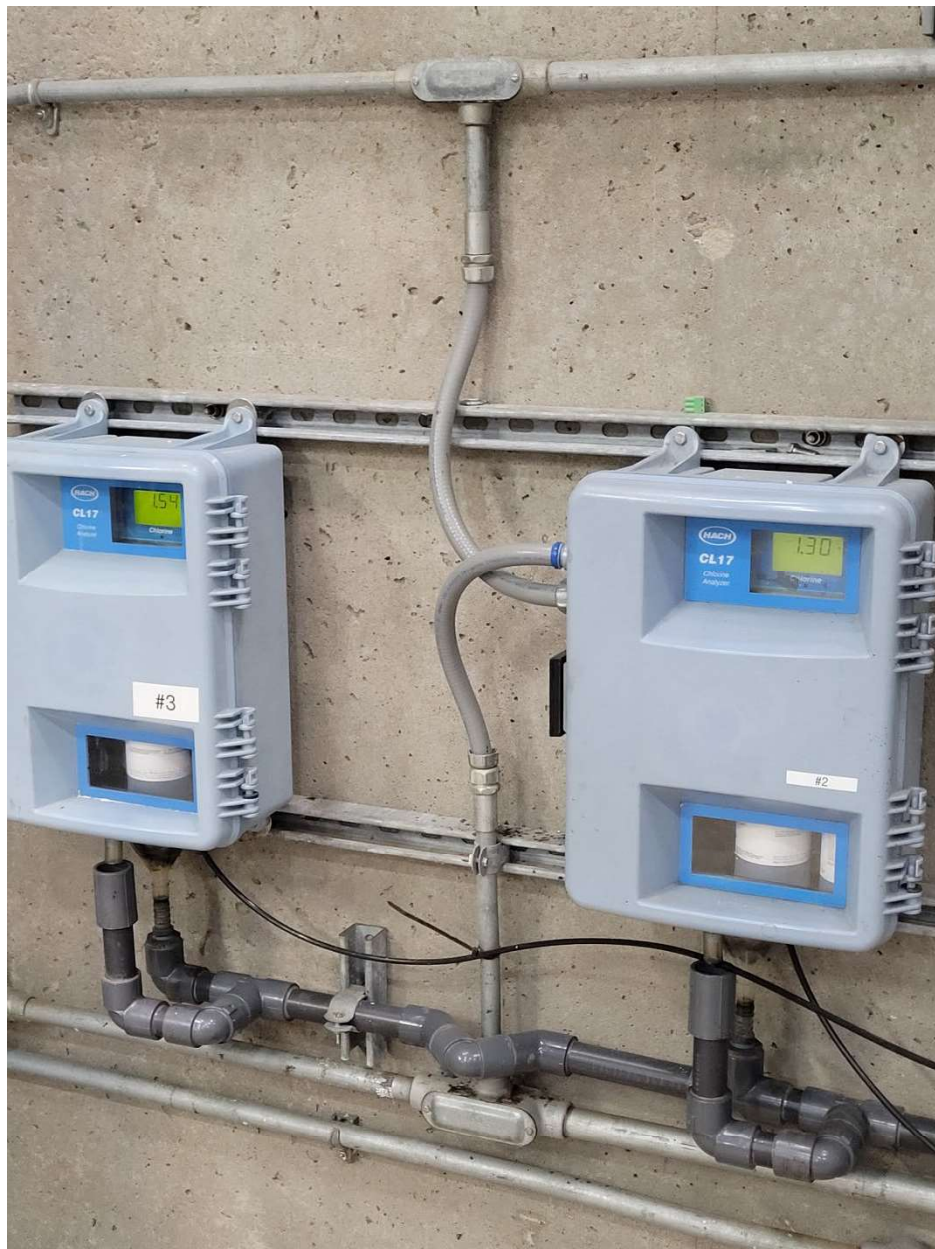
**North Clackamas County Water Commission
2022-2023 Budget
Capital Outlay Justification**

Item: Chlorine Analyzer Replacement x3

Cost: \$12,000

GL Code: 13.7000-20

Justification: Staff is requesting to replace the current Chlorine Analyzer (CL17) units. The existing units are at the end of their service life and are no longer supported. There are three units



**North Clackamas County Water Commission
2022-2023 Budget
Capital Outlay Justification**

Item: Fleet Truck Replacement

Cost: \$53,000

GL Code: 13.7000-20

Justification: Staff is requesting to replace the aging 11-year-old F-150 with a Toyota Tundra.



**North Clackamas County Water Commission
2022-2023 Budget
Capital Outlay Justification**

Item: PAC Basin Motors & Gearboxes x2

Cost: \$35,000

GL Code: 13.7000-20

Justification: Staff is requesting to rebuild or replace the PAC Basin Motors and Gearboxes. This equipment is coming to the end of its service life.



**North Clackamas County Water Commission
2022-2023 Budget
Capital Outlay Justification**

Item: Membrane Filtration Pneumonic Actuator Seals

Cost: \$20,000

GL Code: 13.7000-20

Justification: Staff is requesting to replace the seal kits of the air actuated valves for the membrane filtration system. The seal kits are coming to the end of their service life and beginning to fault.



**North Clackamas County Water Commission
2022-2023 Budget
Capital Outlay Justification**

Item: Schmutzdecke Cleaning Trailer Replacement

Cost: \$12,000

GL Code: 13.7000-20

Justification: Staff is requesting to replace trailer for Slow Sand Filtration schmutzdecke removal. The current trailer has been in use for more than 20 years and is showing its age.



**North Clackamas County Water Commission
2022-2023 Budget
Capital Outlay Justification**

Item: Turbidity Meter Replacement x5

Cost: \$17,000

GL Code: 13.7000-20

Justification: Staff is requesting to replace and upgrade half of the current turbidity meters. The current meters do not read accurately at the turbidity levels experienced at the plant.



**North Clackamas County Water Commission
2022-2023 Budget
Capital Outlay Justification**

Item: Slow Sand Filtration- Re-sand Filters #1 & #3

Cost: \$1.5 million

GL Code: 13.7000-30

Justification: Staff is requesting replacement of the sand in two of the four slow sand filters. This was last done more than 10 years ago, and the sand level in the filters is dropping to replacement level.



**North Clackamas County Water Commission
2022-2023 Budget
Capital Outlay Justification**

Item: Laboratory Countertop Extension and Replacement

Cost: \$15,000

GL Code: 13.7000-50

Justification: Staff is requesting to replace existing 21-year-old Lab countertops as well as increase available countertop space. The current state of the countertops does not reflect well on the standards of cleanliness the staff likes to uphold.



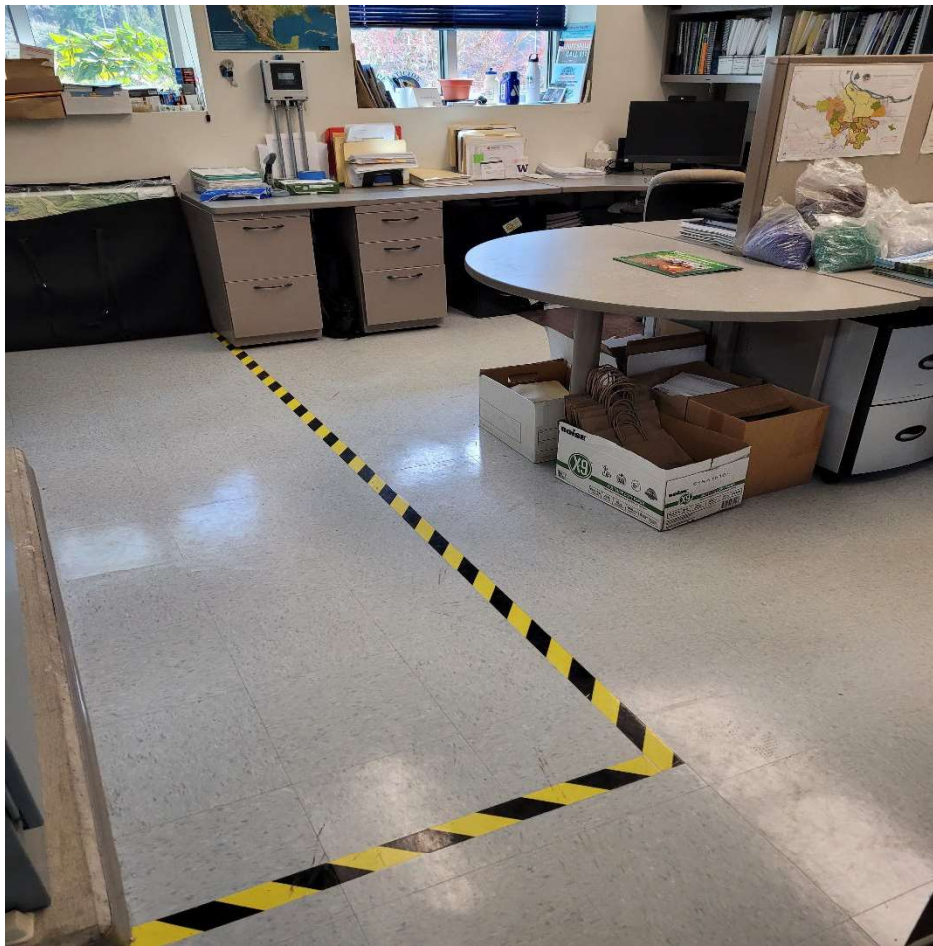
**North Clackamas County Water Commission
2022-2023 Budget
Capital Outlay Justification**

Item: Office and Bathroom Flooring Replacement

Cost: \$5,000

GL Code: 13.7000-50

Justification: Staff is requesting to replace existing 16-year-old Office and Bathroom flooring. The current state of the flooring does not reflect well on the standards of cleanliness the staff likes to uphold.



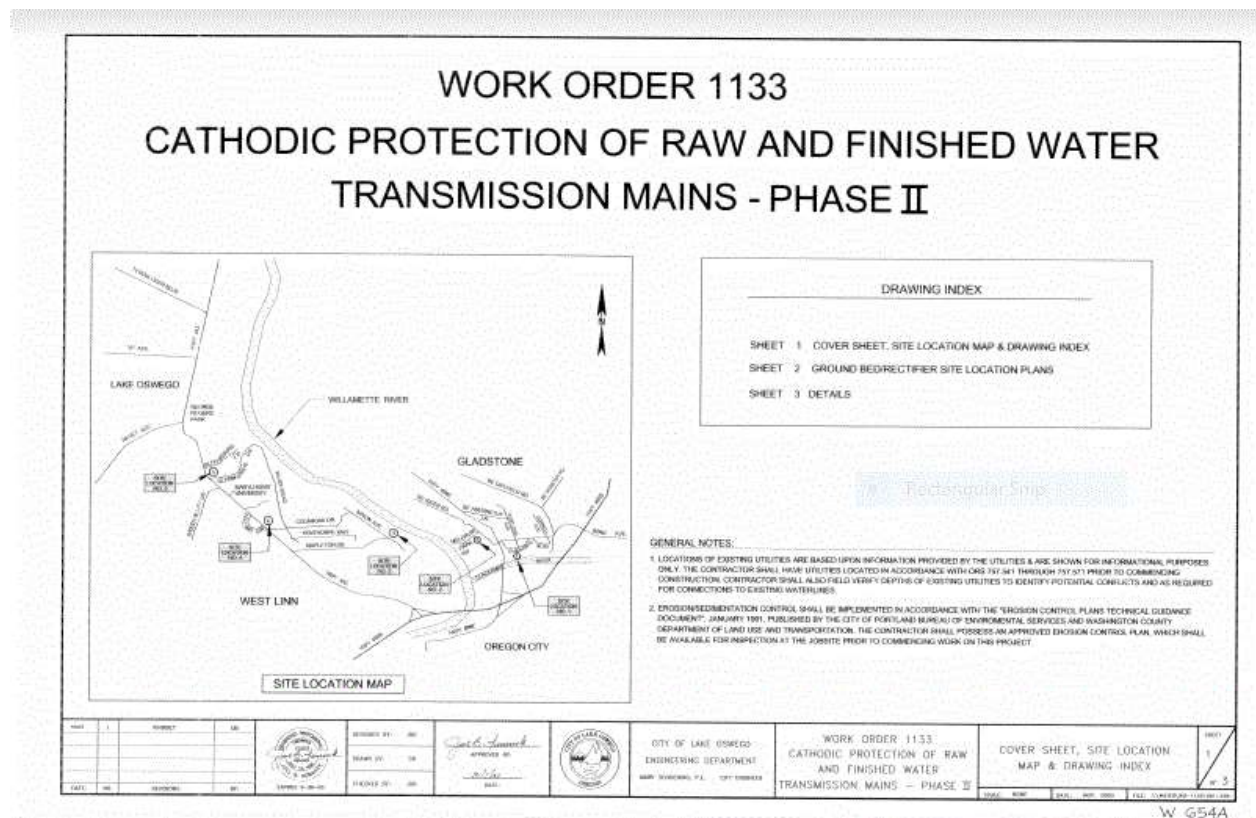
**North Clackamas County Water Commission
2022-2023 Budget
Capital Outlay Justification**

Item: Pipeline Corrosion Study and Design

Cost: \$50,000

GL Code: 10.7000-60

Justification: In 2017, the NCCWC acquired the old raw water pipeline serving the Lake Oswego treatment plant from their intake on the Clackamas River. The pipeline may 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. This work was initiated in FY2020-21, continued in FY2021-22, and is anticipated to rollover up to 60% of those prior funds to FY2021-22.



**North Clackamas County Water Commission
2022-2023 Budget
Capital Outlay Justification**

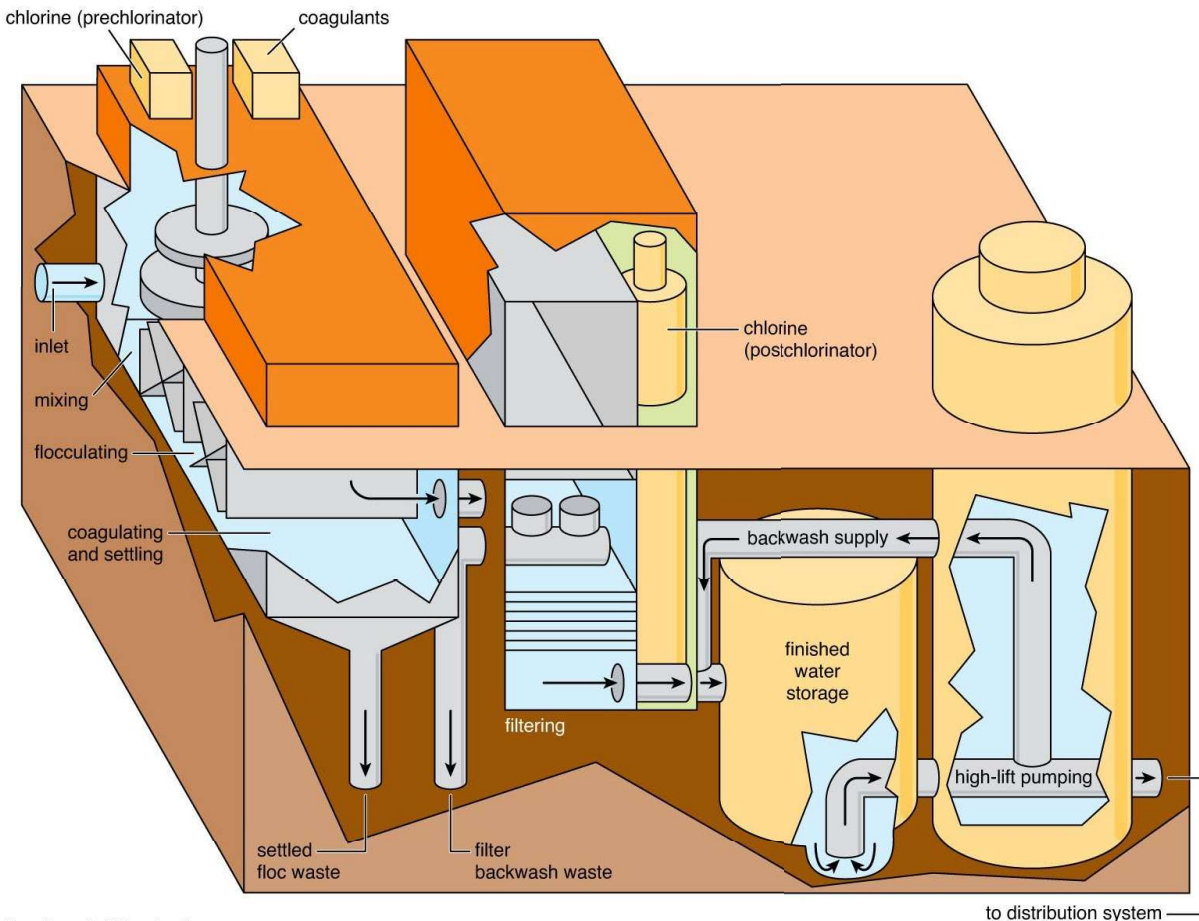
Item: Water Treatment Plant Master Plan

Cost: \$200,000

GL Code: 10.7000-60

Justification: Master Plans are vital to managing utilities. By consolidating all available information into one document, a master Plan provides a roadmap to shift away from reactive work towards proactive. This ultimately saves money by making informed decision about what is the best use of Plant Reserve Fund. Master Plans are typically updated every five years, and the last Master Plan that was complete was 2018.

A typical water treatment plant in a large metropolitan area



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