



October 22, 2024

Commissioners Arnett, Deshmane, and Lagestee,

I am pleased to present to you our draft 2025 Operations and Capital budget for your review.

This document represents a lot of hard work by many of our employees, under the able leadership of Annette Smith, our Finance Director.

This budget was built from the bottom up making sure that we take care of our existing customers while advancing the work outlined in our Strategic Plan. The proposed 2025 budget marks a point of departure from the past. This year we will have our first customers related to our Broadband Grants and we will substantially complete the Point Roberts system.

2025 also marks the beginning of a long-term investment in rebuilding Plant 1 with the two year, \$10 million Utilidor project. Plant 1 as a whole has exceeded its engineering life, and has also run past its useful life. We will begin design work for the replacement of the plant, and we will incur debt to cover the next two years of capital investment.

Below are some selected highlights from the proposed budget:

- Continued routine capital and O&M investments in our electric and water assets.
- \$28,000,000 in total revenue.
- \$10,000,000 invested over the next two years in the Utility Corridor project.
- No net increase in funded positions.
- \$2,300,000 planned broadband investment (and partial matching grant funding).

The draft 2025 Operations and Capital budget also includes increases in both salaries and benefits for all staff, an increase in employee recognition funding, and an increase in our planned educational expenses.

PUBLIC UTILITY DISTRICT NO. 1 OF WHATCOM COUNTY

P.O. Box 2308 | 1705 Trigg Road
Ferndale, Washington 98248-9383
(360) 384-4288
www.pudwhatcom.org

Commissioners: Jaime Arnett, Atul Deshmane, Christine Grant • Chris Heimgartner, General Manager



Key dates in our Budget Process:

- October 22, 2024: Presentation of the Draft Budget to our PUD Commission meeting.
- October 28, 2024: Industrial Water and Grandview customer meetings.
- November 26, 2024: Second PUD Commission presentation and public hearing.
- December 10, 2024: Final 2025 Budget and Rates approved.

We look forward to sharing this work with you. Again, please join me in thanking the staff of the utility for all the work on this effort. Thank you for your interest and involvement in our budget process and in helping move Whatcom PUD into the future.

A handwritten signature in black ink, appearing to read "Chris Heimgartner".

Chris Heimgartner
General Manager

WHATCOM PUD
2025 Operating Budget
BUDGET AT A GLANCE

	INDUSTRIAL WATER UTILITY 493 <i>(Cherry Point Ind., Irrigation, Temp)</i>	GRANDVIEW UTILITY 411 <i>(Potable, Non-potable Water & Fire)</i>	BROADBAND UTILITY 473	ELECTRIC UTILITY 481	TOTAL COMBINED BUDGET
BUDGETED OPERATING REVENUE					
TOTAL DISTRICT SERVICE REVENUE (Includes Irrigation)	\$ 14,668,375	\$ 327,172	\$ 92,400	\$ 2,503,350	\$ 17,591,297
TOTAL ELECTRIC "PASS-THRU" REVENUE	-	-	-	10,018,108	10,018,108
TOTAL BUSINESS SERVICES REVENUE	27,262	196	170	23,302	50,930
TOTAL INTEREST AND OTHER REVENUE	154,153	3,259	-	38,887	196,300
TOTAL BUDGETED OPERATING REVENUE	\$ 14,849,791	\$ 330,627	\$ 92,570	\$ 12,583,647	\$ 27,856,635
BUDGETED OPERATING COSTS					
LABOR AND BENEFITS					
TOTAL LABOR & BENEFITS - OPERATIONS & MAINTENANCE	\$ 1,624,454	\$ 84,029	\$ -	\$ 326,227	\$ 2,034,710
TOTAL LABOR & BENEFITS - ADMINISTRATION	1,521,643	33,147	111,639	946,310	2,612,739
TOTAL LABOR AND BENEFITS	\$ 3,146,097	\$ 117,177	\$ 111,639	\$ 1,272,537	\$ 4,647,449
TOTAL LABOR	2,144,478	79,422	78,053	863,915	3,165,868
TOTAL BENEFITS	1,001,619	37,754	33,586	408,622	1,481,581
VARIABLE O&M EXPENSE					
TOTAL PURCHASED WATER	\$ -	\$ 4,238	\$ -	\$ -	\$ 4,238
TOTAL PURCHASED POWER	634,348	2,025	-	9,447,063	10,083,436
TOTAL TAXES ON "PASS-THRU" POWER COSTS	-	-	-	552,669	552,669
TOTAL WATER PURIFICATION	560,336	1,158	-	-	561,494
TOTAL VARIABLE O&M EXPENSE	\$ 1,194,684	\$ 7,421	\$ -	\$ 9,999,732	\$ 11,201,837
FIXED O&M EXPENSE					
TOTAL O&M SERVICES	\$ 193,994	\$ 32,971	\$ 14,500	\$ 12,084	\$ 253,549
TOTAL MATERIAL AND SUPPLIES	206,127	1,574	-	37,034	244,735
TOTAL EXTRAORDINARY MAINTENANCE	380,000	-	-	265,000	645,000
TOTAL FIXED O&M EXPENSE	\$ 780,121	\$ 34,545	\$ 14,500	\$ 314,118	\$ 1,143,284
ADMINISTRATION, PLANNING & BUSINESS DEVELOPMENT (P&BD)					
TOTAL OUTSIDE SERVICES - ROUTINE	\$ 333,066	\$ 10,317	\$ 11,145	\$ 286,472	\$ 641,000
TOTAL OUTSIDE SERVICES - PLANNING & DEV	564,494	54	47	31,405	596,000
TOTAL INSURANCE	141,802	9,610	369	64,740	216,520
TOTAL OFFICE EXPENSE	208,209	1,425	1,310	156,671	367,614
TOTAL SUBSCRIPTIONS & MEMBERSHIPS	22,576	149	838	34,944	58,507
TOTAL FEES, PERMITS, & ASSESSMENTS	9,499	743	3	423	10,669
TOTAL ADVERTISEMENTS & NOTICES	-	-	5,274	-	5,274
TOTAL MILEAGE & VEHICLES EXPENSE	11,616	58	50	15,602	27,327
TOTAL EDUCATION & CONFERENCES	28,132	151	131	23,292	51,705
TOTAL PAYMENT TO ELECTRIC	211,350	-	-	-	211,350
TOTAL MISCELLANEOUS AND ELECTIONS	1,290	3,842	2	277	5,411
SUBTOTAL ADMIN AND P&BD BEFORE TAXES	\$ 1,532,833	\$ 26,349	\$ 19,169	\$ 613,825	\$ 2,191,377
TOTAL OTHER TAXES	688,693	19,871	447	143,543	1,052,555
TOTAL ADMIN, PLANNING & BUSINESS DEV	\$ 2,420,726	\$ 46,221	\$ 19,616	\$ 757,368	\$ 3,243,931
SUBTOTAL OPERATING BUDGET	\$ 7,541,629	\$ 205,363	\$ 145,755	\$ 12,343,755	\$ 20,236,501
BUSINESS SERVICES					
TOTAL BUSINESS SERVICES - DIRECT COSTS	\$ 27,262	\$ 196	\$ 170	\$ 23,302	\$ 50,930
TOTAL BUSINESS SERVICES	\$ 27,262	\$ 196	\$ 170	\$ 23,302	\$ 50,930
CAPITAL COSTS					
TOTAL TRANSFERS FOR CAPITAL PROJECTS	\$ 1,500,000	\$ 30,000	\$ 20,000	\$ 500,000	\$ 2,050,000
TOTAL INTERFUND PAYMENT FOR CAPITAL COSTS	(65,000)	65,000	-	-	-
TOTAL DEBT SERVICE - OPERATING FUNDS	6,823,632	-	-	468,730	7,292,362
TOTAL CAPITAL COSTS	\$ 8,258,632	\$ 95,000	\$ 20,000	\$ 968,730	\$ 9,342,362
SUBTOTAL BUDGET BEFORE RESERVES	\$ 15,827,522	\$ 300,559	\$ 165,925	\$ 13,335,787	\$ 29,629,793
TOTAL CHANGE IN OPERATING RESERVES	\$ (977,732)	\$ 30,068	\$ (73,355)	\$ (752,140)	\$ (1,773,158)
TOTAL BUDGETED OPERATING COSTS	\$ 14,849,791	\$ 330,627	\$ 92,570	\$ 12,583,647	\$ 27,856,635

S:\Accounting\BUDGET AND RATES\BUDGET 2025\PRINT ONLY BUDGET REPORTS\09 Budget ALL FUNDS.xlsx Summary

WHATCOM PUD
2025 Operating Budget
INTERNAL SERVICE FUND - 500
Allocation of Costs to Other Funds

	INTERNAL SERVICE FUND	Allocation to Other Funds				TOTAL ALLOCATION
		INDUSTRIAL WATER - 403	GRANDVIEW - 411	BROADBAND- 473	ELECTRIC - 481	
LABOR & BENEFITS - ADMINISTRATION						
TOTAL LABOR & BENEFITS - ADMINISTRATION	\$ 2,612,739	\$ 1,521,643	\$ 33,147	\$ 111,639	\$ 946,310	\$ 2,612,739
	100.0%	53.3%	0.4%	0.3%	45.8%	100%
ADMINISTRATION AND PLANNING & BUSINESS DEVELOPMENT (P&BD)						
TOTAL CONTRACT SVC COSTS - DISTRICT	\$ 343,800	\$ 184,030	\$ 1,324	\$ 1,151	\$ 157,296	\$ 343,800
TOTAL CONTRACT SVC COSTS - P&BD	14,000	7,494	54	47	6,405	14,000
TOTAL INSURANCE	108,327	57,986	417	363	49,562	108,327
TOTAL OFFICE EXPENSE	337,978	180,913	1,301	1,131	154,632	337,978
TOTAL SUBSCRIPTIONS & MEMBERSHIPS	38,739	20,736	149	130	17,724	38,739
TOTAL FEES, PERMITS, & ASSESSMENTS	925	495	4	3	423	925
TOTAL ADVERTISEMENTS / NOTICES	-	-	-	-	-	-
TOTAL MILEAGE & MEETINGS	15,080	8,072	58	50	6,899	15,080
TOTAL EDUCATION & CONFERENCE	39,116	20,938	151	131	17,896	39,116
TOTAL MISCELLANEOUS	51,535	27,586	198	172	23,579	51,535
SUBTOTAL ADMIN AND P&BD BEFORE TAXES	\$ 949,500	\$ 508,250	\$ 3,656	\$ 3,178	\$ 434,417	\$ 949,500
TAXES	-	-	-	-	-	-
TOTAL ADMINISTRATION AND P&BD (Net of Labor)	\$ 949,500	\$ 508,250	\$ 3,656	\$ 3,178	\$ 434,417	\$ 949,500
TOTAL CAPITAL COSTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL INTERNAL SERVICE FUND - 500	\$ 3,562,240	\$ 2,029,893	\$ 36,803	\$ 114,816	\$ 1,380,727	\$ 3,562,240

3: AccountByBUDGET AND (A) REBUDGET 2025PRMT ONLY BUDGET REPORTS (Budget 100.000) EXPENSE Matrix

WHATCOM PUD
2025 Operating Budget
ALL FUNDS SUMMARY
Internal Service Fund Transfers Highlighted

	INTERNAL SERVICE FUNDS - Net		INDUSTRIAL WATER UTILITY - 400		GRANDVIEW UTILITY - 401		BROADBAND UTILITY - 470		ELECTRIC UTILITY - 401		TOTAL COMBINED BUDGET
	Allocated to Other Funds	Net	Direct	Allocated from SF	Direct	Allocated from SF	Direct	Allocated from SF	Direct	Allocated from SF	
BUDGETED OPERATING REVENUE											
TOTAL ELECTRIC SERVICE REVENUE - Includes Incentives											
TOTAL ELECTRIC "PASS-THRU" REVENUE											
TOTAL BROADBAND SERVICE REVENUE											
TOTAL WATER AND OTHER REVENUE											
TOTAL BUDGETED OPERATING REVENUE											
BUDGETED OPERATING COSTS											
LABOR AND BENEFITS											
TOTAL LABOR & BENEFITS - OPERATIONS & MAINTENANCE											
TOTAL LABOR & BENEFITS - MAINTENANCE											
TOTAL LABOR AND BENEFITS											
TOTAL LABOR											
TOTAL BENEFITS											
VARIABLE O&M EXPENSE											
TOTAL PURCHASED POWER											
TOTAL FUEL PROCESSING/REGULATORY COST											
TOTAL WATER PURCHASE COST											
TOTAL VARIABLE O&M EXPENSE											
FIXED O&M EXPENSE (Net of Labor and Benefits)											
TOTAL O&M EXPENSE											
TOTAL MATERIALS AND SUPPLIES											
TOTAL EXTRAORDINARY EXPENSE											
TOTAL FIXED O&M EXPENSE											
ADMINISTRATIVE PLANNING & BUSINESS DEVELOPMENT (P&B)											
TOTAL ADMINISTRATIVE PLANNING - ACCOUNT											
TOTAL ADMINISTRATIVE PLANNING - PLANNING											
TOTAL OFFICE EXPENSE											
TOTAL INFORMATION & TELECOMMUNICATIONS											
TOTAL TRAVEL & MEALS											
TOTAL PROFESSIONAL & SERVICE											
TOTAL RENTALS & CONSTRUCTION											
TOTAL PAYMENTS TO ELECTRIC											
TOTAL SUBTOTAL ADMIN AND P&B BEFORE TAXES											
TOTAL OTHER TAXES											
TOTAL ADMINISTRATION AND P&B											
<i>Administration and P & B including Labor & Benefits</i>											
SUBTOTAL OPERATIONS											
RESERVE SERVICES											
TOTAL RESERVE SERVICES - JUNE 30, 2025											
TOTAL BUSINESS SERVICES											
CAPITAL COSTS											
TOTAL TRANSFER FOR CAPITAL PROJECTS											
TOTAL INTERFUND PAYMENTS FOR CAPITAL											
TOTAL ASSET DEPRECIATION - OPERATING PLANT											
TOTAL CAPITAL COSTS											
TOTAL BUDGET BEFORE RESERVES											
TOTAL CHANGE IN OPERATING RESERVES											
TOTAL BUDGETED OPERATING COSTS											

WHATCOM PUD

2025 Operating Budget

Revenue Budget

OPERATING REVENUE - SUMMARY	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
Service Revenue	\$ 14,668,375	\$ 327,172	\$ 92,400	\$ 12,521,458	\$ 27,609,406
Business Services Revenue	27,262	196	170	23,302	50,930
Interest and Other Revenue	154,153	3,259	-	38,887	196,300
TOTAL OPERATING REVENUE	\$ 14,849,791	\$ 330,627	\$ 92,570	\$ 12,583,647	\$ 27,856,635

Service Revenue	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
WATER SALES					
INDUSTRIAL					
Operations	\$ 5,343,900	\$ 72,159			\$ 5,416,059
Fire Protection	24,133	108,851			132,983
Fixed Capital	7,270,190				7,270,190
Variable	1,905,656	146,162			2,051,817
TOTAL INDUSTRIAL	14,543,878	327,172	-	-	14,871,050
TEMPORARY WATER SALES					
Operations	3,706				3,706
TOTAL TEMPORARY WATER SALES	3,706	-	-	-	3,706
IRRIGATION					
Fixed	22,368				22,368
Variable	98,423				98,423
TOTAL IRRIGATION	120,791	-	-	-	120,791
SUBTOTAL WATER SALES	14,668,375	327,172	-	-	14,995,547
BROADBAND SALES			92,400		92,400
ELECTRIC SALES					
DIRECT SALES					
Power				8,419,502	8,419,502
Transmission				1,045,938	1,045,938
Taxes				552,669	552,669
DISTRICT SERVICES				2,503,350	2,503,350
SUBTOTAL ELECTRIC SALES	-	-	-	12,521,458	12,521,458
Total Service Revenue	\$ 14,668,375	\$ 327,172	\$ 92,400	\$ 12,521,458	\$ 27,609,406

Business Services Revenue	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
1) Cybersecurity - Managed Detection	\$ 22,262	\$ 160	\$ 139	\$ 19,028	\$ 41,590
2) Cybersecurity - MFA, IAM	5,000	36	31	4,273	9,340
Total Business Services Revenue	\$ 27,262	\$ 196	\$ 170	\$ 23,302	\$ 50,930

Revenues received for business services - see page 8 under Business Services.

Interest and Other Revenue	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
Interest Revenue	\$ 152,153	\$ 3,259	\$ -	\$ 38,887	\$ 194,300
Other Revenue	2,000	-	-	-	2,000
Total Interest and Other Revenue	\$ 154,153	\$ 3,259	\$ -	\$ 38,887	\$ 196,300

Other revenues include cell tower rent, reimbursement from customers for customer specific projects, and land rental.



WHATCOM PUD

2025 Operating Budget

Labor and Benefits Budget

LABOR & BENEFITS - SUMMARY	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
Labor & Benefits - Operations & Maintenance	\$ 1,624,454	\$ 84,029	\$ -	\$ 326,227	\$ 2,034,710
Labor & Benefits - Administration	1,521,643	33,147	111,639	946,310	2,612,739
TOTAL LABOR & BENEFITS	\$ 3,146,097	\$ 117,177	\$ 111,639	\$ 1,272,537	\$ 4,647,449

Labor & Benefits - Operations & Maintenance

Labor and benefits for O&M activities - does not include time spent on capital projects.

Labor & Benefits - Administration

Labor and benefits for administration are for the Commissioners, General Manager, IT Staff, Administrative staff, and Operations management, not allocated to planning and business development or capital projects. Cost are allocated to specific funds based on unique allocation factors for each employee.



Variable O&M Expense Budget

VARIABLE O&M EXPENSE - SUMMARY	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
Purchased Water	\$ -	\$ 4,238	\$ -	\$ -	\$ 4,238
Purchased Power & Transmission	634,348	2,025	-	9,447,063	10,083,436
Water Purification	560,336	1,158	-	-	561,494
"Pass-Thru" Utility Taxes (Electric)	-	-	-	552,669	552,669
TOTAL VARIABLE O&M EXPENSE	\$ 1,194,684	\$ 7,421	\$ -	\$ 9,999,732	\$ 11,201,837

Purchased Water

In 2019 a connection was made from the Industrial Water System to the Grandview Fire System in order to move away from the well and pond which were failing. This is the interfund charge from the Industrial Water System.

Purchased Power & Transmission

Power	\$ 634,348	\$ 2,025	\$ -	\$ 8,401,125	\$ 9,037,498
Transmission				1,045,938	1,045,938
Total Power & Transmission Expense	\$ 634,348	\$ 2,025	\$ -	\$ 9,447,063	\$ 10,083,436

Power is purchased from the BPA for resale to Phillips 66 and to supply the pumping requirements of Water Treatment Plant #1 and Water Treatment Plant #2. This also includes the transmission costs from PSE as some PSE lines are used to transmit power to the Enterprise Substation.

Water Purification

Plant #1 Chemicals	\$ 245,908	\$ 1,158	\$ -	\$ -	\$ 247,065
Plant #2 Chemicals	314,428				314,428
Total Water Purification	\$ 560,336	\$ 1,158	\$ -	\$ -	\$ 561,494

Water purifications costs are for the chemicals used to treat water at plant #1 and plant #2, as well as the Grandview potable system.

"Pass-Thru" Utility Taxes (Electric)

State Utility excise and privilege taxes for electric power sales.



Fixed O&M Expense Budget

FIXED O&M EXPENSE - SUMMARY	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
O&M Services	\$ 193,894	\$ 32,971	\$ 14,500	\$ 12,084	\$ 253,549
Material & Supplies	206,127	1,574	-	37,034	244,735
Extraordinary Maintenance	380,000	-	-	265,000	645,000
TOTAL FIXED O&M EXPENSE	\$ 780,121	\$ 34,545	\$ 14,500	\$ 314,118	\$ 1,143,284

O&M Services

Cost of O&M services performed by outside vendors.

Material & Supplies

Cost of material and supplies needed to perform O&M functions.

Extraordinary Maintenance

Large maintenance projects that are performed by in-house staff or outside vendors. These are identified in the Extraordinary Maintenance section of the Capital Budget.



WHATCOM PUD
2025 Operating Budget

Administration, Planning & Business Development Budget

OUTSIDE SERVICES - SUMMARY	403 - Industrial Water	411 - Grandview	471 - Broadband	481 - Electric	TOTAL
Accounting / Financial Services	\$ 41,217	\$ 296	\$ 258	\$ 35,229	\$ 77,000
Computer Services	26,764	193	167	22,876	50,000
Engineering	110,000	5,000	-	120,000	235,000
Legal Services	99,234	3,462	10,402	64,903	178,000
System Monitoring	1,606	1,012	10	1,373	4,000
Outside Services - Other	49,246	354	308	42,092	92,000
Power Regulations	5,000	-	-	-	5,000
TOTAL OUTSIDE SERVICES	\$ 333,066	\$ 10,317	\$ 11,145	\$ 286,472	\$ 641,000

Accounting / Financial Services

For maintenance and support of the District's accounting/financial software system, audit costs, and arbitrage consulting services.

Computer Services

Computer services including the pictometry agreement with Whatcom County, Minimax, Softwired, Digital Boundary, and Comcast.

Engineering

This includes cost for general, on-call engineering services. Project specific costs for capital projects are identified in the Capital Budget. Starting in 2025, the District will begin digitizing old records.

Legal Services

Legal services for the District's legal counsel, CSD Attorneys at Law, to attend the monthly commissioner meetings and perform other general legal services, support and other legal consulting specific to commission. *NOTE: Legal services for planning or capital activities are charged directly to those functions.*

System Monitoring

Security system monitoring costs.

Outside Services - Other

Miscellaneous services including Energy Northwest grant writing services and social media archiving.

Power Regulations

Costs of power & transmission regulations. Includes WECC, Spill surcharge, BPA Transmission Planner (TP) and Operator (TOP) services and Consultant services related to transmission data requests. The amount allocated to the Electric Utility is incorporated into the costs for power and transmission.



WHATCOM PUD
2025 Operating Budget

PLANNING AND BUSINESS DEVELOPMENT	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
2) Watershed Management Support	\$ 5,000				\$ 5,000
3) Habitat Restoration	20,000				20,000
4) Water System Services	12,000				12,000
5) Whatcom County Comprehensive Plan	20,000				20,000
6) Adjudication	500,000				500,000
7) Employee Enrichment	5,353	39	33	4,575	10,000
8) Public Records Request	1,071	8	7	915	2,000
9) Social Media	1,071	8	7	915	2,000
10) Geothermal				25,000	25,000
Total Planning & Business Development	\$ 564,494	\$ 54	\$ 47	\$ 31,405	\$ 596,000

DESCRIPTION:

- 1) Watershed Management Support - Continued work with Geneva Consulting
- 2) Habitat Restoration - Assisting agencies in protecting and restoring habitat by supporting stream habitat restoration projects
- 3) Water System Services - Continued support for water systems and associates
- 4) Whatcom County Comprehensive Plan - The District's legal expense associated with the Whatcom County Comprehensive Plan
- 5) Adjudication - Legal, Biologist, and other consultant expenses related to supporting, protecting and utilization of the District's water rights
- 6) Employee Enrichment - Support the community of the PUD staff
- 7) Public Records Request - Staff and legal time to respond to public records requests
- 8) Social Media - Time and expense for the District's social media presence
- 9) Geothermal - Preliminary work for lease with BLM



INSURANCE - SUMMARY	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
Insurance - Property	\$ 83,933	\$ 9,194	\$ 7	\$ 15,278	\$ 108,412
Insurance - Liability	56,905	409	356	48,638	106,308
Employee Assistance Program	964	7	6	824	1,800
TOTAL INSURANCE	\$ 141,802	\$ 9,610	\$ 369	\$ 64,740	\$ 216,520

Property - General Assessments & Excess Property

Annual self-insurance assessment for property damage under \$250,000. Public Utility Risk Management Services (PURMS) calculates the District's assessment based on a prorated share of the property values for the entire self-insurance pool, adjusted for risk factors.

Excess Liability Insurance

The annual insurance premiums for excess general and professional liability insurance (for losses above \$1,000,000). Public Utility Risk Management Services (PURMS) administers the self insurance pool, calculates the premium, and remits the District's share to AEGIS (Associated Electric & Gas Insurance Services Limited).

Employee Assistance Program

Annual cost to provide Employee Assistance Program to the employees.



WHATCOM PUD

2025 Operating Budget

OFFICE EXPENSE - SUMMARY	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
Office Supplies	\$ 8,425	\$ 44	\$ 38	\$ 5,203	\$ 13,710
Postage and Freight	986	7	6	883	1,882
Printing and Copies	9	0	178	3	190
Office Equip - Maint & Maint Contracts	3,764	27	24	3,217	7,032
Office Grounds Maintenance	3,571	26	22	3,052	6,671
Office Building Maintenance	22,274	160	139	19,039	41,612
Office - Computer Expenses	129,003	928	807	110,263	241,000
Office Expense - Other	-	-	-	-	-
Utilities - Communications	30,616	215	79	10,816	41,726
Utilities - Waste and Recycle	7,396	18	16	4,196	11,627
Utilities - Water	2,165	-	-	-	2,165
TOTAL OFFICE EXPENSE	\$ 208,209	\$ 1,425	\$ 1,310	\$ 156,671	\$ 367,614

Office Supplies

Paper, toner, pens, pencils, small office equipment, etc.

Postage and Freight

Postage for regular and special mailings

Printing and Copies

Oversized and specialized copies

Office Equipment - Maint & Maint Contracts

Maintenance contracts on copiers

Office Grounds Maintenance

Cost of landscaping maintenance services

Office Building Maintenance

Includes janitorial services, window cleaning and carpet cleaning for both the Administrative and Maintenance Building

Office - Computer Expenses

General equipment, licenses and computer equipment and supplies under the capital threshold.

Office Expense - Other

Other miscellaneous office needs.

Utilities - Communications

Includes charges for cell phones, DSL line, SCADA and Grandview fire lines and land line

Utilities - Waste and Recycle

Waste and recycle expense from Sanitary Service Company for the main office

Utilities - Water

Water and storm water bill from the City of Ferndale for all facilities that use Ferndale water related services



WHATCOM PUD

2025 Operating Budget

SUBSCRIPTIONS & DUES - SUMMARY	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
Subscriptions	\$ 4,673	\$ 20	\$ 18	\$ 6,011	\$ 10,722
Dues - Memberships	17,903	129	821	28,933	47,785
TOTAL SUBSCRIPTION & DUES	\$ 22,576	\$ 149	\$ 838	\$ 34,944	\$ 58,507

Subscriptions

Subscriptions to local newspapers and trade journals. Subscription to Platts - Megawatt Daily (electric), Clearing up, newspapers, and magazines.

Dues - Memberships

Dues and memberships including SHLB, Public Power Council, Association of Washington Cities, Whatcom Council of Governments, WPUA, Whatcom Chamber of Commerce, and American Water Works.



FEES, PERMITS, LOCATES - SUMMARY	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
Miscellaneous Fees & Permits	\$ 9,176	\$ 743	\$ 3	\$ 423	\$ 10,345
Locates	323	-	-	-	323
TOTAL FEES, PERMITS, LOCATES	\$ 9,499	\$ 743	\$ 3	\$ 423	\$ 10,668

Miscellaneous Fees & Permits

Major contributors include wastewater permit from the Department of Ecology, DOH certification fees for water operators, and miscellaneous fees.

Locates

Underground locates.



ADVERTISEMENTS & NOTICES SUMMARY	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
Advertisements & Notices	\$ -	\$ -	\$ 5,274	\$ -	\$ 5,274
TOTAL ADVERTISEMENTS & NOTICES	\$ -	\$ -	\$ 5,274	\$ -	\$ 5,274

Advertisements & Notices

Job advertisements, public notices, etc.



MILEAGE & MEETINGS - SUMMARY	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
Mileage Reimbursement	\$ 3,153	\$ 17	\$ 15	\$ 2,611	\$ 5,795
Admin Vehicle Expense	8,463	41	36	12,991	21,531
TOTAL MILEAGE & MEETINGS	\$ 11,616	\$ 58	\$ 50	\$ 15,602	\$ 27,327

Mileage Reimbursement

Direct mileage reimbursement to District staff for travel between plant and/or business locations.

Admin Vehicle Expense

Fuel and other expenses to operate and maintain the three PUD Admin vehicles.



WHATCOM PUD

2025 Operating Budget

EDUCATION AND CONFERENCES - SUMMARY	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
Mileage Reimbursement	\$ 1,663	\$ 62		\$ 684	\$ 2,410
Travel (Airfare, Parking)	1,588	50		653	2,300
Lodging and Meals	11,292	422		4,645	16,359
Registration	18,775	702		7,723	27,200
Meeting Supplies	1,081	40		445	1,566
Business Lunch	274	10		113	397
Education Materials	1,016	38		418	1,472
TOTAL EDUCATION AND CONFERENCES	\$ 35,690	\$ 1,334	\$ -	\$ 14,681	\$ 51,705

Mileage Reimbursement

Mileage reimbursement to District staff for travel related to meetings, conferences and classes.

Travel (Airfare, Parking)

Airfare, parking fees, and other direct travel cost reimbursements to District staff for travel related to meetings, conferences and classes.

Lodging and Meals

Lodging and meal costs for District staff related to meetings, conferences and classes.

Registration

Registration fees for conferences and seminars for District staff.

Meeting Supplies

Supplies or refreshments used during a District meeting.

Business Lunch

Reimbursement for District meetings occurring during a meal time.

Education Materials

Books and other resource materials directly related to a specific utility required for training classes or to update the District's library.



ELECTRIC GENERAL SERVICES CHARGE	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
Electric General Service Charge	\$ 211,350				\$ 211,350
TOTAL ELECTRIC GENERAL SERVICE CHARGE	\$ 211,350	\$ -	\$ -	\$ -	\$ 211,350

Electric General Service Charge

A General Service Charge imposed on Industrial Water by the Electric Utility to cover overhead costs not otherwise allocated.



ELECTIONS & MISCELLANEOUS - SUMMARY	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
Miscellaneous Fee & Elections	\$ 1,290	\$ 3,842	\$ 2	\$ 277	\$ 5,411
TOTAL ELECTIONS & MISCELLANEOUS	\$ 1,290	\$ 3,842	\$ 2	\$ 277	\$ 5,411

Miscellaneous Fee & Elections

Miscellaneous fees not categorized elsewhere, including election costs for the primary and general elections every other year. The next election will occur in 2026.



TAXES - SUMMARY	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
Utility Tax on District Services	\$ 888,693	\$ 19,871	\$ 447	\$ 89,971	\$ 998,983
Privilege Taxes on District Services				53,572	53,572
TOTAL TAXES	\$ 888,693	\$ 19,871	\$ 447	\$ 143,543	\$ 1,052,555

Utility Tax on District Services

State excise taxes for water (5.029%) and electric (3.873%) service revenues.

Privilege Taxes on District Services

Privilege tax on District Services portion of electric revenues at 2.14% paid to the Washington State Department of Revenue.

TOTAL ADMIN AND PLANNING & BUS DEV	\$ 2,428,284	\$ 47,404	\$ 19,485	\$ 748,758	\$ 3,243,931
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WHATCOM PUD

2025 Operating Budget

Business Services

BUSINESS SERVICES SUMMARY	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
DIRECT EXPENSES					
1) Cybersecurity - Managed Detection	\$ 22,282	\$ 160	\$ 139	\$ 19,028	\$ 41,590
2) Cybersecurity - MFA, IAM	5,000	36	31	4,273	9,340
REIMBURSEMENTS					
1) Cybersecurity - Managed Detection	(22,282)	(160)	(139)	(19,028)	(41,590)
2) Cybersecurity - MFA, IAM	(5,000)	(36)	(31)	(4,273)	(9,340)
TOTAL BUSINESS SERVICES	\$ -	\$ -	\$ -	\$ -	\$ -

DESCRIPTION:

- 1) Cyber Security - State and Local Cybersecurity Grant Program to work on Managed Detection and response SOC service
- 2) Cyber Security - State and Local Cybersecurity Grant Program to work on implementing MFA, IAM, and UEM



Debt Service

DEBT SERVICE SUMMARY	403 - Industrial Water	411 - Grandview	473 - Broadband	481 - Electric	TOTAL
2013 LTGO Bonds	\$ 451,200				\$ 451,200
2021 LTGO Bonds	1,109,070			468,730	1,577,800
EDI Loan	44,332				44,332
New Debt	5,219,029				5,219,029
TOTAL DEBT SERVICE	\$ 6,823,632	\$ -	\$ -	\$ 468,730	\$ 7,292,362

2013 LTGO Bonds

Debt service on the 2013 bonds which completed the funding for the Plant 2 rebuild.

2016 LTGO Bonds

Debt service on the 2007 bonds which funded the Grandview extension (LUD). 2007 bonds were refinanced in 2016 to lower interest rate costs. This will be paid with LUD assessments.

2021 LTGO Bonds

Debt service on the refinance of the 2010 series B bonds which financed the Plant 2 rebuild and the purchase of the Enterprise and Ferndale Substation. Also included is new funding which was used to cover the cost of the Refinery Substation prior to the project being canceled, and the Ferndale substation cost.

EDI Loan

Debt service on the 2019 EDI loan to finance the connection of the Industrial Water System to the Grandview Fire System.

New Debt

Debt service on new bonds issued to fund the Water Treatment Plant 1 rebuild.



WHATCOM PUD
2025 Operating Budget
By Function

	OPERATIONS & MAINTENANCE	ADMIN, P&B	BUSINESS SERVICES	RATE FUNDED CAPITAL COSTS & RESERVE CHANGES		TOTAL BUDGET
INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Irrigation)	Total O&M Costs	Total Admin Costs	Net Bus Ser Costs	Direct Costs	Alloc. from Other Functions	
LABOR AND BENEFITS (Net of Capitalized Labor)						
TOTAL LABOR AND BENEFITS	\$ 1,624,454	\$ 1,521,643	\$ -	\$ -	\$ -	\$ 3,146,097
TOTAL LABOR	1,086,295	1,046,183	-	-	-	2,144,478
TOTAL BENEFITS	536,159	475,460	-	-	-	1,011,619
VARIABLE O&M EXPENSE						
TOTAL PURCHASED POWER	\$ 634,348	\$ -	\$ -	\$ -	\$ -	\$ 634,348
TOTAL WATER PURIFICATION	560,336	-	-	-	-	560,336
TOTAL VARIABLE O&M EXPENSE	\$ 1,194,684	\$ -	\$ -	\$ -	\$ -	\$ 1,194,684
FIXED O&M EXPENSE						
TOTAL O&M SERVICES	\$ 192,994	\$ -	\$ -	\$ -	\$ -	\$ 192,994
TOTAL MATERIAL SUPPLY	206,127	-	-	-	-	206,127
TOTAL EXTRAORDINARY MAINTENANCE	380,000	-	-	-	-	380,000
TOTAL FIXED O&M EXPENSE	\$ 780,121	\$ -	\$ -	\$ -	\$ -	\$ 780,121
ADMINISTRATION AND PLANNING & BUSINESS DEVELOPMENT (P&B)						
TOTAL CONTRACT SVC COSTS - DISTRICT	\$ -	\$ 332,066	\$ -	\$ -	\$ -	\$ 332,066
TOTAL CONTRACT SVC COSTS - P&B	-	564,494	-	-	-	564,494
TOTAL INSURANCE	-	141,802	-	-	-	141,802
TOTAL OFFICE EXPENSE	-	208,209	-	-	-	208,209
TOTAL SUBSCRIPTIONS & MEMBERSHIPS	-	22,576	-	-	-	22,576
TOTAL FEES, PERMITS & ASSESSMENTS	-	9,499	-	-	-	9,499
TOTAL ADVERTISEMENTS & NOTICES	-	-	-	-	-	-
TOTAL MILEAGE & MEETINGS	-	11,616	-	-	-	11,616
TOTAL EDUCATION & CONFERENCES	-	28,132	-	-	-	28,132
TOTAL PAYMENT TO ELECTRIC	-	211,350	-	-	-	211,350
TOTAL MISCELLANEOUS & OTHER	-	1,290	-	-	-	1,290
SUBTOTAL ADMIN AND P&B BEFORE TAXES	\$ -	\$ 1,532,033	\$ -	\$ -	\$ -	\$ 1,532,033
TOTAL TAXES NET OF RURAL ELECTRIC CREDIT	-	888,693	-	-	-	888,693
TOTAL ADMIN, PLANNING & BUSINESS DEV	\$ -	\$ 2,420,726	\$ -	\$ -	\$ -	\$ 2,420,726
BUSINESS SERVICES						
TOTAL BUSINESS SERVICE DIRECT COSTS	\$ -	\$ -	\$ 27,262	\$ -	\$ -	\$ 27,262
TOTAL BUSINESS SERVICES	\$ -	\$ -	\$ 27,262	\$ -	\$ -	\$ 27,262
TOTAL BUDGET FOR OPERATIONS	\$ 3,599,259	\$ 3,942,369	\$ 27,262	\$ -	\$ -	\$ 7,568,891
CAPITAL COSTS						
TOTAL RATE FUNDED CAPITAL TRANSFER - 403	\$ -	\$ -	\$ -	\$ 1,500,000	\$ -	\$ 1,500,000
TOTAL INTERFUND PAYMENTS FOR CAPITAL	-	-	-	(85,000)	-	(85,000)
TOTAL DEBT SERVICE - 403	-	-	-	6,823,632	-	6,823,632
TOTAL CAPITAL COSTS	\$ -	\$ -	\$ -	\$ 6,258,632	\$ -	\$ 6,258,632
TOTAL BUDGET BEFORE RESERVES	\$ 3,599,259	\$ 3,942,369	\$ 27,262	\$ 6,258,632	\$ -	\$ 15,827,522
CHANGES IN OPERATING RESERVES						
ADDITIONS TO MAINTAIN MINIMUM RESERVES						
TOTAL CHANGE IN RESERVES TO SMOOTH RATES	\$ -	\$ -	\$ -	\$ (977,732)	\$ -	\$ (977,732)
TOTAL CHANGES IN OPERATING RESERVES	\$ -	\$ -	\$ -	\$ (977,732)	\$ -	\$ (977,732)
TOTAL OPERATING BUDGET - 403	\$ 3,599,259	\$ 3,942,369	\$ 27,262	\$ 7,280,900	\$ -	\$ 14,849,791

S:\Accounting\BUDGET AND RATES\BUDGET 2025\PRINT ONLY BUDGET REPORTS\Budget 403.xlsx[EXPENSE] Sheet

WHATCOM PUD
2025 Operating Budget
By Function

	OPERATIONS & MAINTENANCE	ADMIN, P&B	BUSINESS SERVICES	RATE FUNDED CAPITAL COSTS & RESERVE CHANGES		TOTAL BUDGET
GRANDVIEW WATER UTILITY - 411 (Potable and Fire)	Total O&M Costs	Total Admin Costs	Net Bus Ser Costs	Direct Costs	Alloc. from Other Functions	
LABOR AND BENEFITS (Net of Capitalized Labor)						
TOTAL LABOR AND BENEFITS	\$ 84,029	\$ 33,147	\$ -	\$ -	\$ -	\$ 117,177
TOTAL LABOR	56,322	23,600	-	-	-	79,922
TOTAL BENEFITS	27,707	10,947	-	-	-	38,654
VARIABLE O&M EXPENSE						
TOTAL PURCHASED WATER	\$ 4,238	\$ -	\$ -	\$ -	\$ -	\$ 4,238
TOTAL PURCHASED POWER	2,025	-	-	-	-	2,025
TOTAL WATER PURIFICATION	1,158	-	-	-	-	1,158
TOTAL VARIABLE O&M EXPENSE	\$ 7,421	\$ -	\$ -	\$ -	\$ -	\$ 7,421
FIXED O&M EXPENSE						
TOTAL O&M SERVICES	\$ 32,971	\$ -	\$ -	\$ -	\$ -	\$ 32,971
TOTAL MATERIAL/SUPPLY	1,574	-	-	-	-	1,574
TOTAL EXTRAORDINARY MAINTENANCE	-	-	-	-	-	-
TOTAL FIXED O&M EXPENSE	\$ 34,545	\$ -	\$ -	\$ -	\$ -	\$ 34,545
ADMINISTRATION AND PLANNING & BUSINESS DEVELOPMENT (P&B)						
TOTAL CONTRACT SVC COSTS - DISTRICT	\$ -	\$ 10,317	\$ -	\$ -	\$ -	\$ 10,317
TOTAL CONTRACT SVC COSTS - P&B	-	54	-	-	-	54
TOTAL INSURANCE	-	9,610	-	-	-	9,610
TOTAL OFFICE EXPENSE	-	1,425	-	-	-	1,425
TOTAL SUBSCRIPTIONS & MEMBERSHIPS	-	149	-	-	-	149
TOTAL FEES, PERMITS & ASSESSMENTS	-	743	-	-	-	743
TOTAL ADVERTISEMENTS & NOTICES	-	-	-	-	-	-
TOTAL MILEAGE & MEETINGS	-	58	-	-	-	58
TOTAL EDUCATION & CONFERENCES	-	151	-	-	-	151
TOTAL MISCELLANEOUS & OTHER	-	2,842	-	-	-	2,842
SUBTOTAL ADMIN AND P&B BEFORE TAXES	\$ -	\$ 26,349	\$ -	\$ -	\$ -	\$ 26,349
TOTAL TAXES	-	19,871	-	-	-	19,871
TOTAL ADMIN, PLANNING & BUSINESS DEV	\$ -	\$ 46,221	\$ -	\$ -	\$ -	\$ 46,221
BUSINESS SERVICES						
TOTAL BUSINESS SERVICE DIRECT COSTS	-	-	196	-	-	196
NET BUSINESS SERVICES	\$ -	\$ -	\$ 196	\$ -	\$ -	\$ 196
TOTAL BUDGET FOR OPERATIONS	\$ 125,995	\$ 79,368	\$ 196	\$ -	\$ -	\$ 205,559
CAPITAL COSTS						
TOTAL RATE FUNDED CAPITAL TRANSFER - 411	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ 30,000
TOTAL INTERFUND PAYMENTS FOR CAPITAL	-	-	-	65,000	-	65,000
TOTAL DEBT SERVICE	-	-	-	-	-	-
TOTAL CAPITAL COSTS	\$ -	\$ -	\$ -	\$ 95,000	\$ -	\$ 95,000
TOTAL BUDGET BEFORE RESERVES	\$ 125,995	\$ 79,368	\$ 196	\$ 95,000	\$ -	\$ 300,559
CHANGES IN OPERATING RESERVES						
ADDITIONS TO MAINTAIN MINIMUM RESERVES						
TOTAL CHANGE IN RESERVES TO SMOOTH RATES	\$ -	\$ -	\$ -	\$ 30,068	\$ -	\$ 30,068
TOTAL CHANGES IN OPERATING RESERVES	\$ -	\$ -	\$ -	\$ 30,068	\$ -	\$ 30,068
TOTAL OPERATING BUDGET - 411	\$ 125,995	\$ 79,368	\$ 196	\$ 125,068	\$ -	\$ 330,627

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WHATCOM PUD
2025 Operating Budget
By Function

	OPERATIONS & MAINTENANCE	ADMIN, P&D	BUSINESS SERVICES	RATE FUNDED CAPITAL COSTS & RESERVE CHANGES		TOTAL BUDGET
BROADBAND UTILITY - 473	Total O&M Costs	Total Admin Costs	Net Bus Ser Costs	Direct Costs	Alloc. from Other Functions	
LABOR AND BENEFITS (Net of Capitalized Labor)						
TOTAL LABOR AND BENEFITS	\$ -	\$ 111,639	\$ -	\$ -	\$ -	\$ 111,639
TOTAL LABOR	-	78,053	-	-	-	78,053
TOTAL BENEFITS	-	33,586	-	-	-	33,586
VARIABLE O&M EXPENSE						
TOTAL PURCHASED POWER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL WATER PURIFICATION	-	-	-	-	-	-
TOTAL VARIABLE O&M EXPENSE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FIXED O&M EXPENSE						
TOTAL O&M SERVICE	\$ 14,500	\$ -	\$ -	\$ -	\$ -	\$ 14,500
TOTAL MATERIAL SUPPLY	-	-	-	-	-	-
TOTAL EXTRAORDINARY MAINTENANCE	-	-	-	-	-	-
TOTAL FIXED O&M EXPENSE	\$ 14,500	\$ -	\$ -	\$ -	\$ -	\$ 14,500
ADMINISTRATION AND PLANNING & BUSINESS DEVELOPMENT (P&D)						
TOTAL CONTRACT SVC COSTS - DISTRICT	\$ -	\$ 11,145	\$ -	\$ -	\$ -	\$ 11,145
TOTAL CONTRACT SVC COSTS - P&D	-	47	-	-	-	47
TOTAL INSURANCE	-	369	-	-	-	369
TOTAL OFFICE EXPENSE	-	1,310	-	-	-	1,310
TOTAL SUBSCRIPTIONS & MEMBERSHIPS	-	838	-	-	-	838
TOTAL FEES, PERMITS & ASSESSMENTS	-	3	-	-	-	3
TOTAL ADVERTISEMENTS & NOTICES	-	5,274	-	-	-	5,274
TOTAL MEAL & MEETINGS	-	50	-	-	-	50
TOTAL EDUCATION & CONFERENCES	-	131	-	-	-	131
TOTAL MISCELLANEOUS & OTHER	-	2	-	-	-	2
SUBTOTAL ADMIN AND P&D BEFORE TAXES	\$ -	\$ 19,169	\$ -	\$ -	\$ -	\$ 19,169
TOTAL TAXES NET OF RURAL ELECTRIC CREDIT	-	447	-	-	-	447
TOTAL ADMIN, PLANNING & BUSINESS DEV	\$ -	\$ 19,616	\$ -	\$ -	\$ -	\$ 19,616
BUSINESS SERVICES						
TOTAL BUSINESS SERVICE DIRECT COSTS			170			170
NET BUSINESS SERVICES	\$ -	\$ -	\$ 170	\$ -	\$ -	\$ 170
TOTAL BUDGET FOR OPERATIONS	\$ 14,500	\$ 131,255	\$ 170	\$ -	\$ -	\$ 145,925
CAPITAL COSTS						
TOTAL RATE FUNDED CAPITAL TRANSFER	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ 20,000
TOTAL INTERFUND PAYMENTS FOR CAPITAL	-	-	-	-	-	-
TOTAL DEBT SERVICE	-	-	-	-	-	-
TOTAL CAPITAL COSTS	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ 20,000
TOTAL BUDGET BEFORE RESERVES	\$ 14,500	\$ 131,255	\$ 170	\$ 20,000	\$ -	\$ 165,925
CHANGES IN OPERATING RESERVES						
TOTAL ADDITIONS TO MAINTAIN MINIMUM RESERVES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CHANGE IN RESERVES TO SMOOTH RATES	-	-	-	(73,355)	-	(73,355)
TOTAL CHANGES IN OPERATING RESERVES	\$ -	\$ -	\$ -	\$ (73,355)	\$ -	\$ (73,355)
TOTAL OPERATING BUDGET - 473	\$ 14,500	\$ 131,255	\$ 170	\$ (53,355)	\$ -	\$ 92,570

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WHATCOM PUD
2025 Operating Budget
By Function

	OPERATIONS & MAINTENANCE	ADMIN, P&B	BUSINESS SERVICES	RATE FUNDED CAPITAL COSTS & RESERVE CHANGES		TOTAL BUDGET
ELECTRIC UTILITY - 481	Total O&M Costs	Total Admin Costs	Net Bus Ser Costs	Direct Costs	Alloc. from Other Functions	
LABOR AND BENEFITS (Net of Capitalized Labor)						
TOTAL LABOR AND BENEFITS	\$ 326,227	\$ 946,310	\$ -	\$ -	\$ -	\$ 1,272,537
TOTAL LABOR	217,263	646,633	-	-	-	863,896
TOTAL BENEFITS	108,944	299,679	-	-	-	408,623
VARIABLE O&M EXPENSE						
TOTAL PURCHASED POWER	\$ 8,999,732	\$ -	\$ -	\$ -	\$ -	\$ 8,999,732
TOTAL WATER PURIFICATION	-	-	-	-	-	-
TOTAL VARIABLE O&M EXPENSE	\$ 8,999,732	\$ -	\$ -	\$ -	\$ -	\$ 8,999,732
FIXED O&M EXPENSE						
TOTAL O&M SERVICES	\$ 12,084	\$ -	\$ -	\$ -	\$ -	\$ 12,084
TOTAL MATERIAL/SUPPLY	37,834	-	-	-	-	37,834
TOTAL EXTRAORDINARY MAINTENANCE	265,000	-	-	-	-	265,000
TOTAL FIXED O&M EXPENSE	\$ 314,918	\$ -	\$ -	\$ -	\$ -	\$ 314,918
ADMINISTRATION AND PLANNING & BUSINESS DEVELOPMENT (P&B)						
TOTAL CONTRACT SVC COSTS - DISTRICT	\$ -	\$ 286,472	\$ -	\$ -	\$ -	\$ 286,472
TOTAL CONTRACT SVC COSTS - P&B	-	31,405	-	-	-	31,405
TOTAL INSURANCE	-	64,740	-	-	-	64,740
TOTAL OFFICE EXPENSE	-	156,671	-	-	-	156,671
TOTAL SUBSCRIPTIONS & MEMBERSHIPS	-	34,944	-	-	-	34,944
TOTAL FEES, PERMITS & ASSESSMENTS	-	423	-	-	-	423
TOTAL ADVERTISEMENTS & NOTICES	-	-	-	-	-	-
TOTAL MILEAGE & MEETINGS	-	15,602	-	-	-	15,602
TOTAL EDUCATION & CONFERENCES	-	23,292	-	-	-	23,292
TOTAL MISCELLANEOUS & OTHER	-	277	-	-	-	277
SUBTOTAL ADMIN AND P&B BEFORE TAXES	\$ -	\$ 613,825	\$ -	\$ -	\$ -	\$ 613,825
TOTAL TAXES NET OF RURAL ELECTRIC CREDIT	-	143,543	-	-	-	143,543
TOTAL ADMIN, PLANNING & BUSINESS DEV	\$ -	\$ 757,368	\$ -	\$ -	\$ -	\$ 757,368
BUSINESS SERVICES						
TOTAL BUSINESS SERVICE DIRECT COSTS			23,302			23,302
NET BUSINESS SERVICES	\$ -	\$ -	\$ 23,302	\$ -	\$ -	\$ 23,302
TOTAL BUDGET FOR OPERATIONS	\$ 10,640,076	\$ 1,703,679	\$ 23,302	\$ -	\$ -	\$ 12,367,057
CAPITAL COSTS						
TOTAL RATE FUNDED CAPITAL TRANSFER	\$ -	\$ -	\$ -	\$ 968,000	\$ -	\$ 968,000
TOTAL INTERFUND PAYMENTS FOR CAPITAL	-	-	-	-	-	-
TOTAL DEBT SERVICE	-	-	-	468,730	-	468,730
TOTAL CAPITAL COSTS	\$ -	\$ -	\$ -	\$ 968,730	\$ -	\$ 968,730
TOTAL BUDGET BEFORE RESERVES	\$ 10,640,076	\$ 1,703,679	\$ 23,302	\$ 968,730	\$ -	\$ 13,335,787
CHANGES IN OPERATING RESERVES						
TOTAL ADDITIONS TO MAINTAIN MINIMUM RESERVES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CHANGE IN RESERVES TO SMOOTH RATES	-	-	-	(752,148)	-	(752,148)
TOTAL CHANGES IN OPERATING RESERVES	\$ -	\$ -	\$ -	\$ (752,148)	\$ -	\$ (752,148)
TOTAL OPERATING BUDGET - 481	\$ 10,640,076	\$ 1,703,679	\$ 23,302	\$ 216,582	\$ -	\$ 12,583,647

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WHATCOM PUD

Estimates for Alcoa Escrow Fund (490)

	2024	2025	2026	2027	2028	2029	2024-2029 TOTAL
Beginning Balance	\$41,686	\$43,306	\$44,951	\$46,659	\$48,432	\$50,273	\$41,686
<i>Plus: Interest Revenue (net of fees)</i>	1,620	1,646	1,708	1,773	1,840	1,910	10,497
Less: Electric Feasibility Study - GDS							0
Less: Broadband Feasibility Study							0
Less: Clean & Renewable Energy - Solar Panels							0
Ending Balance	\$43,306	\$44,951	\$46,659	\$48,432	\$50,273	\$52,183	\$52,183

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WHATCOM PUD

EMPLOYEE COST SUMMARY

	2025			2024			2023	
	Budget Count	Change	Forecast Count	Change	Actual Count	Change	Actual Count	
EMPLOYEES w/o Commissioners								
Administration and Finance	14	0	15	1	13			
O&M Management	2	0	2	0	2			
Water Operations	7	0	7	1	6			
Electric Operations	2	0	2	0	2			
TOTAL EMPLOYEES*	25	0	26	2	23			
LABOR & BENEFIT COSTS	Budget	\$ Change	Forecast	\$ Change	Percent	Percent	Actual	
Employee	\$ 4,850,252	\$ 932,817	\$ 3,917,435	\$ 94,031	23.8%	2.5%	\$ 3,823,404	
Commissioner	220,891	526	220,365	33,299	0.2%	17.8%	187,067	
TOTAL LABOR & BENEFITS	\$ 5,071,143	\$ 933,343	\$ 4,137,800	\$ 127,329	22.6%	3.2%	\$ 4,010,471	
Operations	\$ 4,647,449	\$ 599,580	\$ 4,047,869	\$ 166,920			\$ 3,880,949	
Capital	\$ 423,694	\$ 333,763	\$ 89,931	\$ (39,591)			\$ 129,522	

* Employee count is as of December 31st

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WHATCOM PUD
2025 LABOR & BENEFIT COST
ALLOCATION

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Ind., Wholesale, Irrigation)	LABOR HOURS		Percent of Labor Hours			LABOR COSTS	PERSON	SOC SEC & MEDICARE	WORKMAN COMP	FMLA	HEALTH BENEFITS	CLOTHING ALLOWANCE	TOTAL BENEFITS	TOTAL LABOR AND BENEFITS
	OPERATIONS & CAPITAL	O&M	Without Overtime	Tax & City Allow (Est. Rate)										
				70.6%	70.6%									
TOTAL OPERATIONS	37,826.11	66.0%	83.1%	72.6%	70.6%	\$ 2,144,478	\$ 220,740	\$ 186,338	\$ 14,642	\$ 15,627	\$ 977,555	\$ 4,718	\$ 1,001,619	\$ 3,145,097
TOTAL MAINTENANCE	11,342.50					520,827	56,807	38,763	6,073	3,808	117,823	2,353	235,530	750,438
TOTAL PLANNING & BUSINESS DEV	10,514.28					577,487	58,871	43,172	8,595	4,376	153,148	4,385	260,529	868,016
TOTAL BUSINESS REPAIRS	55,882.34					1,046,183	85,962	64,395	1,315	7,443	295,584	-	475,463	1,521,647
GENERAL MANAGER	1,113.29					192,168	11,367	12,268	86	2,775	19,739	-	44,465	226,663
GENERAL ADMINISTRATION	8,511.01					500,076	46,957	42,228	1,508	3,999	193,684	-	247,076	748,052
CONTRACTS AND RESOURCE MANAGER	2,912.54					51,755	15,189	13,336	156	1,164	57,006	-	87,051	248,006
FINANCE AND CUSTOMER	2,246.97					120,855	11,330	10,987	201	868	36,732	-	59,278	179,883
COMMISSIONER	118.63					87,539	6,139	6,237	12	536	29,935	-	36,710	118,239
GRANDOVER - POTABLE WATER - 411	1,281.36	2.4%	4.8%	2.8%	2.8%	72,885	8,846	8,813	668	541	18,171	273	34,053	166,658
TOTAL OPERATIONS	897.54					41,015	5,122	3,137	491	318	9,781	218	20,666	61,883
TOTAL MAINTENANCE	152.34					7,889	1,004	983	91	60	2,136	55	3,940	11,825
TOTAL PLANNING & BUSINESS DEV	-					-	-	-	-	-	-	-	-	-
TOTAL BUSINESS SERVICES	331.42					23,100	1,721	1,883	27	163	6,253	-	10,047	33,147
GENERAL MANAGER	6.91					5,078	83	377	3	34	138	-	633	6,711
GENERAL ADMINISTRATION	36.88					5,034	473	434	13	36	1,571	-	2,577	7,597
CONTRACTS AND RESOURCE MANAGER	207.66					11,534	7,983	965	11	83	4,065	-	8,307	17,741
FINANCE AND CUSTOMER	16.22					868	81	73	3	24	264	-	456	1,364
COMMISSIONER	0.85					585	45	45	0	4	215	-	264	650
GRANDOVER - FIRE PROTECTION - 411	144.81	0.3%	0.5%	0.3%	0.3%	7,417	950	958	86	97	1,989	91	3,791	11,118
TOTAL OPERATIONS	33.50					1,527	228	117	18	12	363	8	274	2,274
TOTAL MAINTENANCE	110.31					5,890	722	441	68	45	1,626	43	2,954	8,844
TOTAL PLANNING & BUSINESS DEV	-					-	-	-	-	-	-	-	-	-
TOTAL BUSINESS SERVICES	-					-	-	-	-	-	-	-	-	-
GENERAL MANAGER	-					-	-	-	-	-	-	-	-	-
GENERAL ADMINISTRATION	-					-	-	-	-	-	-	-	-	-
CONTRACTS AND RESOURCE MANAGER	-					-	-	-	-	-	-	-	-	-
FINANCE AND CUSTOMER	-					-	-	-	-	-	-	-	-	-
COMMISSIONER	-					-	-	-	-	-	-	-	-	-
SUBTOTAL - COSTS FOR WATER FUNDS	35,364.42	59%	88%	71%	71%	2,223,900	250,537	173,588	15,337	15,726	997,724	7,942	1,038,374	3,263,274
BROADBAND - 473	1,189.85	2%	2%	2%	2%	74,053	7,281	6,915	113	561	19,115	-	23,586	111,639
TOTAL OPERATIONS	-					-	-	-	-	-	-	-	-	-
TOTAL MAINTENANCE	-					-	-	-	-	-	-	-	-	-
TOTAL PLANNING & BUSINESS DEV	-					-	-	-	-	-	-	-	-	-
GENERAL MANAGER	1,189.85					78,053	7,281	6,915	113	561	19,115	-	33,586	111,639
GENERAL ADMINISTRATION	4.96					771	72	49	1	4	126	-	248	1,079
CONTRACTS AND RESOURCE MANAGER	1,184.23					76,077	7,138	6,364	111	547	18,578	-	32,738	108,756
FINANCE AND CUSTOMER	13.92					754	71	63	1	5	230	-	279	1,125
COMMISSIONER	6.74					510	-	39	6	3	167	-	220	759
SUBTOTAL - COSTS FOR BROADBAND FUND	48,554.27	71%	88%	75%	76%	2,301,953	237,818	179,622	15,450	16,787	616,639	7,042	1,072,959	3,374,912
ELECTRIC - 481	13,016.57	23.8%	13.3%	25.1%	24.4%	863,915	74,378	67,550	3,776	6,106	294,812	2,012	498,622	1,272,537
TOTAL OPERATIONS	905.00					66,905	5,254	4,726	665	368	18,774	586	31,373	97,978
TOTAL MAINTENANCE	2,302.27					150,877	14,149	11,946	1,681	1,126	48,180	1,426	77,671	228,248
TOTAL PLANNING & BUSINESS DEV	-					-	-	-	-	-	-	-	-	-
GENERAL MANAGER	9,817.80					846,533	54,175	51,779	1,654	4,611	187,699	-	266,678	946,310
GENERAL ADMINISTRATION	357.54					105,468	9,803	6,688	34	759	35,443	-	33,858	129,316
CONTRACTS AND RESOURCE MANAGER	6,867.28					368,262	34,988	31,149	1,338	2,607	114,242	-	163,878	582,170
FINANCE AND CUSTOMER	1,903.28					101,128	8,684	8,630	172	242	31,386	-	50,824	153,752
COMMISSIONER	517.57					68,685	-	5,321	16	459	35,578	-	37,377	107,062
SUBTOTAL - COSTS FOR ELECTRIC FUND	13,876.57	27%	17%	25%	24%	863,915	74,378	67,550	3,779	6,100	294,812	2,012	498,622	1,272,537
SUBTOTAL - COSTS FOR OPERATING FUNDS	\$3,838.84	94%	100%	100%	100%	3,165,868	312,396	246,973	19,228	22,886	871,452	3,094	1,491,581	4,647,469

WHATCOM PUD
2025 Capital Improvement Budget (CIP)

CIP Number	Project Name	2024 Projected	2025 Budget	2026 Budget	2027 Budget	2028 Budget	2029 Budget	2030-2039 Budget
INTERNAL SERVICES								
IS-1	Admin Office Renovation	-	\$ 75,000	-	-	-	-	\$ 75,000
IS-5	Administrative Staff Vehicles	-	-	45,000	-	45,000	-	90,000
IS-12	SCADA System Analysis, Equipment Eval & Upgrade	18,000	40,000	150,000	40,000	40,000	40,000	260,000
IS-14	Office Equipment and Computer HW & SW Replace	8,023	43,000	7,000	98,000	13,000	7,000	199,000
IS-15	Communications Backbone System Build-out and Upgrade	293,114	115,000	150,000	300,000	300,000	300,000	1,350,000
IS-20	Document Management Software	-	-	50,000	-	-	-	50,000
	Sub-Total (IS) Internal Services CIP Projects	\$ 319,137	\$ 308,000	\$ 352,000	\$ 438,000	\$ 398,000	\$ 347,000	\$ 1,843,000
INDUSTRIAL WATER								
PROJECT MANAGEMENT								
RW-14	Water Utility Vehicles	-	400,000	400,000	400,000	307,034	400,000	1,907,034
RW-22	Install Main Line Valves on Distribution System	-	15,000	55,000	46,000	46,000	46,000	202,000
RW-27	Water Utility Major Non-Vehicle Equipment	-	450,000	200,000	200,000	200,000	200,000	1,250,000
RW-28	Water Treatment Plant 1 Project	153,988	10,000	10,000	10,000	10,000	10,000	90,000
RW-33	Personnel Meter/Valve Relocate	3,418	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
RW-34	Personnel Meter/Valve Reconnect	343	271,000	480,000	-	-	-	272,000
RW-35	Plant 1 & 2 VFD Replacement & Addition	831,379	850,000	-	-	-	-	480,000
RW-38	Plant 1 Rebuild	904,507	14,000,000	42,500,000	41,000,000	4,700,000	8,000,000	110,300,000
RW-41	Cathodic Protection	-	160,000	-	-	-	-	160,000
RW-44	O Station Improvements	484,073	-	-	-	-	-	800,000
RW-45	Replace Hydrant valves on Douglas Road	30,000	1,800,000	-	-	-	-	1,800,000
RW-46	Phillips 66 Booster Pump	644	350,000	500,000	-	-	-	850,000
RW-47	Intake Screens	798,899	-	-	-	-	-	-
RW-48	Replace intake or hi-head pump and motors	38,000	-	-	-	-	-	-
RW-49	Complete Fence around WTP1	-	50,000	350,000	-	-	-	400,000
RW-50	Plant 2 New Storage	-	25,000	25,000	25,000	-	-	75,000
RW-51	Basic PVC Waterline replace with stainless	-	90,000	-	-	-	-	90,000
RW-52	Replace Kazer Intake Air compressors	-	125,000	-	-	-	-	125,000
RW-53	Intake Water sprayer system replace air scour	-	35,000	-	-	-	-	35,000
RW-54	Floc Replacement	-	150,000	350,000	-	-	-	500,000
RW-55	Power to the Intake scum	-	40,000	40,000	-	-	-	80,000
RW-56	WTP1 Intake Screen Renewal	-	3,500,000	-	-	-	-	3,500,000
RW-57	Replace wood in basins	28,382	-	-	-	-	-	-
RW-58	Water Basin Enclosures	-	23,482,000	45,900,000	42,690,000	5,263,034	8,656,000	127,996,034
	Sub-Total (RW) Industrial New Water CIP Projects	\$ 3,271,544	\$ 23,482,000	\$ 45,900,000	\$ 42,690,000	\$ 5,263,034	\$ 8,656,000	\$ 127,996,034
GRANDVIEW								
PROJECT MANAGEMENT								
GV-4	Grandview Fire System Rehab	-	6,435	2,711	203	239	208	9,899
GV-5	Grandview Potable System Improvements	27,150	10,000	10,000	10,000	10,000	10,000	60,000
GV-6	Potable Plant Land Acquisition	1,465	50,000	50,000	-	-	-	100,000
GV-7	Intake Booster Pump Wall Detail	-	30,000	-	-	-	-	30,000
	Sub-Total (GV) Grandview Water CIP Projects	\$ 28,615	\$ 171,435	\$ 62,711	\$ 16,243	\$ 10,239	\$ 10,208	\$ 264,856
ELECTRIC								
PROJECT MANAGEMENT								
E-1	115 KV Transmission Structure/Conductor Upgrades	-	13,300	14,872	14,476	13,428	14,441	70,237
E-6	Electric Utility Vehicles	54,196	95,000	90,000	90,000	50,000	50,000	295,000
E-15	Upgrade/Replace Female Substation	349,731	47,000	47,000	-	-	47,000	94,000
E-22	Non-Vehicle Equipment	-	10,000	10,000	10,000	10,000	10,000	30,000
E-25	Substation Security	51,819	550,000	-	-	-	-	550,000
E-28	Refinery Substation Capacity Upgrades	108,765	-	-	-	-	-	-
E-38	Unpaired Electric Projects	32,731	-	-	-	-	-	-
	Sub-Total (E) Electrical CIP Projects	\$ 695,241	\$ 888,300	\$ 121,872	\$ 74,476	\$ 73,428	\$ 121,441	\$ 1,099,237
PROGRAM								
BB-1	PS Roberts Filter Project	302,255	3,425,000	-	-	-	-	3,425,000
	Sub-Total (BB) Maintenance Projects	\$ 302,255	\$ 3,425,000	\$ -	\$ -	\$ -	\$ -	\$ 3,425,000
EXTRACURRICULAR MAINTENANCE								
RW-M2	Clean Sediment Settling Ponds	359,523	185,000	185,000	175,000	175,000	175,000	855,000
RW-M7	O Station Reliability Upgrades	191,497	125,000	125,000	125,000	125,000	125,000	625,000
RW-M10	High Head Pump Re-build (Annual Maint Project)	156,234	95,000	40,000	-	-	-	50,000
RW-M13	Demolish BP Intake	45,000	25,000	25,000	25,000	25,000	25,000	125,000
RW-M14	Demolish Communication Tower at Bender Park	61,255	100,000	100,000	100,000	100,000	100,000	500,000
RW-M15	Transmission Line Vegetation Management	204,990	40,000	40,000	40,000	40,000	40,000	280,000
E-M1	Substation Maintenance	38,860	100,000	100,000	100,000	100,000	100,000	500,000
E-M4	Aerial Inspection of line and Substations	-	-	-	-	-	-	-
E-M5	Enterprise Substation Maint	81,384	648,999	648,999	648,999	648,999	648,999	3,244,995
MISC	Miscellaneous Extracurricular Maintenance	-	-	-	-	-	-	-
	Sub-Total (M) Maintenance Projects	\$ 1,333,044	\$ 28,699,754	\$ 47,036,284	\$ 43,777,736	\$ 7,285,790	\$ 10,899,690	\$ 137,483,128
	Grand Total	\$ 5,850,435	\$ 28,699,754	\$ 47,036,284	\$ 43,777,736	\$ 7,285,790	\$ 10,899,690	\$ 137,483,128

Whatcom PUD Financial Reporting Resource File/EBG/CA/PS/BB/ET/Response

WHATCOM PUD

2025 Capital Improvement Budget (CIP)

ALL FUNDS

CIP PLAN NUMBER:

PROJECT NAME: Project Management (PM)

PROJECT LOCATION: Various PUD locations

STATUS: Existing **Priority:** N/A

ESTIMATED START DATE: On-Going **ESTIMATED COMPLETION DATE:** On-Going

PROJECT DESCRIPTION/SCOPE:

Starting with the 2018 budget, in-house labor associated with capital projects is budgeted on a percentage basis. The percentage is based on labor to total capital costs from the previous years. While this isn't an exact science, it should provide a more accurate labor cost to our fluctuating capital project loads. During the year, staff will charge actual time spent on capital projects and these costs will be capitalized at year-end.

	Total Capital Project Costs b/f PM	IS Capital Costs b/f PM	% of IS Reallocated to RW	% of IS Reallocated to Electric	% of IS Reallocated to Grandview	Industrial Water Capital Costs b/f PM	GV Capital Costs b/f PM	Electric Capital Costs b/f PM
2025	\$ 23,620,000	\$ 308,000	46.4%	52.4%	1.2%	\$ 23,224,912	\$ 128,696	\$ 266,392
2026	\$ 46,014,000	\$ 352,000	46.4%	52.4%	1.2%	\$ 45,668,328	\$ 54,224	\$ 291,448
2027	\$ 42,788,000	\$ 438,000	46.4%	52.4%	1.2%	\$ 42,493,232	\$ 5,256	\$ 289,512
2028	\$ 6,414,000	\$ 398,000	46.4%	52.4%	1.2%	\$ 6,140,672	\$ 4,776	\$ 268,552
2029	\$ 9,710,000	\$ 347,000	46.4%	52.4%	1.2%	\$ 9,417,008	\$ 4,164	\$ 288,828
2025-2029	\$ 128,546,000	\$ 1,843,000				\$ 126,944,152	\$ 197,116	\$ 1,404,732

5.0%	Total PM Labor Costs	IS PM Labor Costs	% of IS Reallocated to RW	% of IS Reallocated to Electric	% of IS Reallocated to Grandview	Industrial Water PM Labor Costs	GV PM Labor Costs	Electric PM Labor Costs
2025	\$ 419,754	\$ 15,400	46.4%	52.4%	1.2%	\$ 400,000	\$ 6,435	\$ 13,320
2026	\$ 417,284	\$ 17,600	46.4%	52.4%	1.2%	\$ 400,000	\$ 2,711	\$ 14,572
2027	\$ 414,738	\$ 21,900	46.4%	52.4%	1.2%	\$ 400,000	\$ 263	\$ 14,478
2028	\$ 320,700	\$ 19,900	46.4%	52.4%	1.2%	\$ 307,034	\$ 239	\$ 13,428
2029	\$ 414,650	\$ 17,350	46.4%	52.4%	1.2%	\$ 400,000	\$ 208	\$ 14,441
2025-2029	\$ 1,987,126	\$ 92,150	46.4%	52.4%	1.2%	\$ 1,907,034	\$ 9,856	\$ 70,237
2022-2026 GT	\$ 130,533,126							

PROJECT JUSTIFICATION:

To allocate project management costs in this manner will provide a consistent level of costs allocated between operations and capital on an annual basis for forecasting purposes.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
District Labor Costs	\$ 419,754	\$ 417,284	\$ 414,738	\$ 320,700	\$ 414,650	\$ 1,987,126
TOTAL CAPITAL COSTS	\$ 419,754	\$ 417,284	\$ 414,738	\$ 320,700	\$ 414,650	\$ 1,987,126
REVENUE:						
Industrial Water Service rates	\$ 400,000	\$ 400,000	\$ 400,000	\$ 307,034	\$ 400,000	\$ 1,907,034
Grandview Service rates	6,435	2,711	263	239	208	9,856
Electric Service rates	13,320	14,572	14,478	13,428	14,441	70,237
TOTAL REVENUE	\$ 419,754	\$ 417,284	\$ 414,738	\$ 320,700	\$ 414,650	\$ 1,987,126

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INTERNAL SERVICE FUND - 500

CIP PROJECT NUMBER: IS-1

PROJECT NAME: Admin Building Roof

PROJECT LOCATION: 1705 Trigg Road

STATUS: New **Priority:** Medium

ESTIMATED START DATE: On-going **ESTIMATED COMPLETION DATE:** TBD

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

No activity was done under this CIP in the past several years.

Current Budget Projected Activities

In 2025, the District plans to re-roof the administration building.

Project Budget Estimate

Construction	\$ 75,000
	\$ 75,000

PROJECT JUSTIFICATION/BENEFITS:

The current roof is deteriorating and in need of replacement.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
TOTAL CAPITAL COSTS	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
REVENUE:						
Service Rates (All Fund)	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
TOTAL REVENUE	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD

2025 Capital Improvement Budget (CIP)

INTERNAL SERVICE FUND - 500

CIP PROJECT NUMBER: IS-5

PROJECT NAME: Administrative Staff Vehicles

PROJECT LOCATION: 1705 Trigg Road

STATUS: On-going **Priority:** Low

ESTIMATED START DATE: On-going **ESTIMATED COMPLETION DATE:** On-going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

The District's vehicles utilized by administrative staff will be replaced on a planned basis, depending on condition and mileage. In 2020, the District did not purchase a new administrative vehicle; in 2018 the District purchased a new Toyota RAV SUV to replace the existing 2009 Ford Escape. The District will purchase hybrid or all electric powered vehicles in the future when available and financially reasonable as it continues to replace and upgrade its vehicle fleet.

Current Budget Projected Activities

In 2026, the District plans to purchase a new SUV to replace the existing Prius. This vehicle will be for administrative and operations use.

Project Budget Estimate

Replacement of 2011 Toyota Prius Hybrid 4 Door with 4 wheel drive vehicle with signage	\$ 45,000
Replacement of 2018 Toyota RAV4 hybrid with new comparable vehicle with signage	\$ 45,000
Replacement of 2023 Ford F150 with new comparable vehicle with signage	\$ -
	\$ 90,000

Year	Description	Planned Replacement	Estimated Cost
2011	Toyota Prius	2026	\$ 45,000
2018	Toyota Rav4	2028	45,000
2023	Ford F150	2030	-

PROJECT JUSTIFICATION/BENEFITS:

Administrative vehicles can be used for a number of uses including, administrative meetings, conferences, daily administrative uses (post office, bank, county administration, etc.). At least one vehicle will have 4-wheel drive so that District operations will not be impacted due to weather or road conditions. Hybrid and all-electric vehicles will be considered, based on competitive life-time cost to the District.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ -	\$ 45,000	\$ -	\$ 45,000	\$ -	\$ 90,000
TOTAL CAPITAL COSTS	\$ -	\$ 45,000	\$ -	\$ 45,000	\$ -	\$ 90,000
REVENUE:						
Service Rates (All Fund)	\$ -	\$ 45,000	\$ -	\$ 45,000	\$ -	\$ 90,000
TOTAL REVENUE	\$ -	\$ 45,000	\$ -	\$ 45,000	\$ -	\$ 90,000

Capital Costs Beyond 2029: Replacement of vehicles will be based upon accumulated mileage and condition.

WHATCOM PUD

2025 Capital Improvement Budget (CIP)

INTERNAL SERVICE FUND - 500

CIP PROJECT NUMBER: IS-12

PROJECT NAME: SCADA System Analysis, Development, and Upgrades

PROJECT LOCATION: District Facilities

STATUS: On-going **PRIORITY:** High

ESTIMATED START DATE: On-going **ESTIMATED COMPLETION DATE:** On-going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

The District has been gradually building out its SCADA system and adding features, both hardware and software to enhance SCADA system capability and improve Cyber-Security. The continuing build-out of the fiber optic cable backbone communications system (IS-15) has enabled the deployment of the SCADA system and enhanced capability to monitor operations at the treatment plants and refinery substation.

Current Budget Projected Activities

In 2025, the District plans to further expand its fiber optic cable backbone communication system, which will facilitate further deployment of the SCADA system and its monitoring/control functionality. Cyber Security enhancements to the SCADA system will continue to be evaluated and implemented, as feasible.

Project Budget Estimate

Consultant services and equipment related to SCADA	\$ 260,000
Budget Estimate Total:	\$ 260,000

PROJECT JUSTIFICATION/BENEFITS:

Opportunities to improve reliability and enhance capabilities of the District's communications system will continually be investigated. This includes telemetry upgrades involving the District's communications tower and other sites. Additional deployment of fiber optic cable as part of the District's backbone communications system will be continually investigated and implemented where feasible. Staff will continue to prioritize the replacement schedule of key SCADA system components as well as provide the opportunity to upgrade specific items or install redundant equipment to improve system reliability. Cyber security will continually be evaluated and enhancements made as necessary to protect the District's utility systems from cyber threats; comply with federal standards and to assure greater system reliability and service to District customers.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 40,000	\$ 100,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 260,000
TOTAL CAPITAL COSTS	\$ 40,000	\$ 100,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 260,000
REVENUE:						
Service Rates (All Fund)	\$ 40,000	\$ 100,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 260,000
TOTAL REVENUE	\$ 40,000	\$ 100,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 260,000

Capital Costs Beyond 2029: SCADA System improvements will continue on an ongoing basis, as necessary.

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INTERNAL SERVICE FUND - 500

CIP PROJECT NUMBER: IS-14

PROJECT NAME: Office Equipment and Computer HW & SW Replace

STATUS: On-Going

PROJECT LOCATION: Main Office - 1705 Trigg Road **PRIORITY:** Medium

ESTIMATED START DATE: On-going **ESTIMATED COMPLETION DATE:** On-going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

Purchase new computer equipment as needed for replacement units as well as for new staff members. These units would typically include the desk or laptop unit, monitor, keyboard, mouse, docking station and MS Office software package. The replacement units would only consist of the laptop unit and software package as required for the operating system compatibility. Certain systems require additional capacity or processing capability for applications such as accounting or AutoCAD software.

Current Budget Projected Activities

As with prior years, the District will continue to replace computer equipment as needed and upgrade operating systems and software as necessary. Cyber security enhancements, both software and hardware will continue to be a high priority. As cyber security vulnerabilities are identified, this may impact what software and hardware purchases might be required and when.

Project Budget Estimate

Computer Equipment	\$	138,000
Contingency & Unexpected Failures		25,000
Consultants		5,000
Budget Estimate Total:	\$	168,000

PROJECT JUSTIFICATION/BENEFITS:

Servers, server related equipment, back-up storage systems, and multi-function copiers are essential IT equipment that require periodic replacement. IT equipment is continually updated by manufacturers, thereby rendered the District's then current units obsolete. As cyber security vulnerabilities are identified, this may impact rate of replacements and upgrades.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 43,000	\$ 7,000	\$ 98,000	\$ 13,000	\$ 7,000	\$ 168,000
TOTAL CAPITAL COSTS	\$ 43,000	\$ 7,000	\$ 98,000	\$ 13,000	\$ 7,000	\$ 168,000
REVENUE:						
Service Rates (All Fund)	\$ 43,000	\$ 7,000	\$ 98,000	\$ 13,000	\$ 7,000	\$ 168,000
TOTAL REVENUE	\$ 43,000	\$ 7,000	\$ 98,000	\$ 13,000	\$ 7,000	\$ 168,000

Capital Costs Beyond 2029: IT equipment will continue to be replaced in scheduled cycles.

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INTERNAL SERVICE FUND - 500

CIP PROJECT NUMBER: IS-15

PROJECT NAME: Communications Backbone System Build-out and Upgrade

PROJECT LOCATION: District Facilities

STATUS: On-going **PRIORITY:** High

ESTIMATED START DATE: 2016 **ESTIMATED COMPLETION DATE:** TBD

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

During 2017, the District successfully completed a major expansion of the fiber optic cable backbone communications system by installing aerial and underground fiber optic cable to link both Plant 1 and the Grandview potable plant to the high speed communications system. In 2018, the District identified three additional extensions to the fiber optic cable communication network. During 2018, the District completed a fiber optic cable extension from the Refinery substation to the Douglas Road vault. In 2019, the District completed another extension of fiber optic cable from the Grandview area to a connection point with BPA's communications system. During 2022, a planned fiber optic cable extension from the Douglas Road vault to the vicinity of the Intalco Aluminum plant was not completed due to permitting delays. This extension was completed in 2024.

Current Budget Projected Activities

During 2025, the District plans to continue design to further expand the fiber optic cable backbone communications system within the Cherry Point Industrial area. The improvements will facilitate higher speed, redundant communications for SCADA, improving reliability, and benefitting both electric and water system operations.

Project Budget Estimate

Fiber Optic Cable Communications Backbone Build-out and Improvements	1,200,000
Budget Estimate Total:	\$ 1,200,000

PROJECT JUSTIFICATION/BENEFITS:

Opportunities to improve reliability and enhance capabilities of the District's communications system will continually be investigated. Additional deployment of fiber optic cable as part of the District's backbone communications system will be implemented where feasible. A communications system that includes fiber, radio, and cellular communications provides redundancy and enhances the capability of the District's SCADA system to monitor and in some cases control utility devices in the field. Security of the communications system will be a high priority and incorporated into the design.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 150,000	\$ 150,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,200,000
TOTAL CAPITAL COSTS	\$ 150,000	\$ 150,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,200,000
REVENUE:						
Service Rates (All Fund)	\$ 150,000	\$ 150,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,200,000
TOTAL REVENUE	\$ 150,000	\$ 150,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,200,000

Capital Costs Beyond 2029: TBD - Communications System will be evaluated on a continuous annual basis.

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INTERNAL SERVICE FUND - 500

CIP PROJECT NUMBER: IS-20

PROJECT NAME: Document Management Software

PROJECT LOCATION: District Facilities

STATUS: New **PRIORITY:** High

ESTIMATED START DATE: 2026 **ESTIMATED COMPLETION DATE:** TBD

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new budget item for 2025. Previous discussions have centered around Operations plan sets and materials and equipment data. The recently filed adjudication for WR1A1 has opened a complete new need for document management.

Current Budget Projected Activities

This CIP will explore the options available for a new Document management system (DMS). A main area of inquiry will be whether the DMS will be able to work for both the adjudication and operations. Either way, we will need to know how to build, institute, and manage the software throughout the complete life cycle of the DMS.

Project Budget Estimate

Software purchase	\$	50,000
Budget Estimate Total:		\$ 50,000

PROJECT JUSTIFICATION/BENEFITS:

Properly recorded and stored documents are integral to smooth data management. These records may include daily operational needs, legal requirements, or records requests. Whatcom PUD, with a long record of existence, has large number of valuable resources that should be cataloged and maintained. Staff understands the need to initiate this program.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000
TOTAL CAPITAL COSTS	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000
REVENUE:						
Service Rates (All Fund)	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000
TOTAL REVENUE	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000

Capital Costs Beyond 2029: TBD - Document Management System will be evaluated on a continuous annual basis.

WHATCOM PUD

2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-14

PROJECT NAME: Water Utility Vehicles

PROJECT LOCATION: District Water Service Area

STATUS: On-going **PRIORITY:** Medium

ESTIMATED START DATE: On-going **ESTIMATED COMPLETION DATE:** On-going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

In 2023, the District purchased a boat and trailer for water operations. No truck was replaced in 2024.

Current Budget Projected Activities

In 2025, the District plans on purchasing a new pick-up. One of the existing fleet of pick-ups will be surplus.

Project Budget Estimate

Replace Full Size 4-wheel Drive Extended Cab Pick-up	\$ 45,000
Signage, Accessories & Safety Equipment	10,000
	\$ 55,000
Replace Chevrolet Colorado Pick-up	\$ 38,000
Signage, Accessories & Safety Equipment	8,000
	\$ 46,000

Year	Description	Planned Replacement	Estimated Cost
2015	Ford F250	2025	55,000
2017	Ford F250	2027	55,000
2018	Chevrolet Colorado	2028	46,000
2019	Chevrolet Colorado	2029	46,000
2023	Boat and Trailer	2033	45,000

PROJECT JUSTIFICATION/BENEFITS:

The District has a total of five vehicles assigned to water operations and three vehicles assigned to electric operations. The District has implemented a program to budget for and schedule regular replacement of the District vehicles. Actual replacement of individual vehicles will be completed based on age and condition of vehicles not based on the scheduled date. Unless circumstances require replacement, no vehicle will be replaced sooner than five years after purchase. When possible, the District will utilize the Washington State purchase program for acquiring vehicles.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 55,000	\$ -	\$ 55,000	\$ 46,000	\$ 46,000	\$ 202,000
TOTAL CAPITAL COSTS	\$ 55,000	\$ -	\$ 55,000	\$ 46,000	\$ 46,000	\$ 202,000
REVENUE:						
Water System Rates	\$ 55,000	\$ -	\$ 55,000	\$ 46,000	\$ 46,000	\$ 202,000
TOTAL REVENUE	\$ 55,000	\$ -	\$ 55,000	\$ 46,000	\$ 46,000	\$ 202,000

Capital Costs Beyond 2029: Replacement of vehicles will be based upon accumulated mileage and condition.

WHATCOM PUD

2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-22

PROJECT NAME: Install Main Line Valves on Water Distribution System

STATUS: On-going

PROJECT LOCATION: Distribution System **PRIORITY:** Medium

ESTIMATED START DATE: 2025 **ESTIMATED COMPLETION DATE:** On-going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

For 2019, staff determined that it was prudent to wait on the installation of any new isolation valves for the industrial water system distribution system until such time as the industrial water system CIP Plan Update was completed. During 2020, the CIP Update Plan was completed, as was an analysis to determine industrial water system CIP priorities, timelines, and cost estimates. In 2024, no in-line valves were engineered or installed.

Current Budget Projected Activities

For 2025, the District will proceed with engineering for new isolation valves on its main water transmission line. The installation of these valves will help make service more reliable and will allow for the District to shut off of water flows to specific locations in case of leaks or for maintenance reasons. Construction may begin in 2025, and will follow in 2026. The District's engineering consultant, as part of the RW-38 activities will initiate a hydraulic analysis of industrial water distribution system CIPs, including additional mainline isolation valves.

Project Budget Estimate

<u>Isolation Valve Installation</u>	\$ 1,250,000
Engineering Analysis, Design & Construction Services	
Budget Estimate Total:	\$ 1,250,000

PROJECT JUSTIFICATION/BENEFITS:

Isolation valves allow repair, maintenance, and improvement work to occur on "isolated" sections of industrial water supply mains, including the intertie, while maintaining service to customers. Isolation valves will reduce risk of a catastrophic failure of a pipe section resulting in a very large amount of water flowing out of the damaged section prior to stopping flow. Also, depending on location of the valves, it eliminates the need to drain long sections of water distribution line prior to commencing work. The valves shorten or eliminate disruptions of water supply to the industrial water system customers.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 450,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,250,000
TOTAL CAPITAL COSTS	\$ 450,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,250,000
REVENUE:						
Water System Rates	450,000	200,000	200,000	200,000	200,000	\$ 1,250,000
TOTAL REVENUE	\$ 450,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,250,000

Capital Costs Beyond 2029: To Be Determined

WHATCOM PUD

2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)
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CIP PROJECT NUMBER: RW-27

PROJECT NAME: Water Utility Major Non-Vehicle Equipment

STATUS: On-going

PROJECT LOCATION: District Facilities PRIORITY: Medium

ESTIMATED START DATE: On-going ESTIMATED COMPLETION DATE: On-going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

RW-27 covers capital investments in equipment other than on-road vehicles for use by water system operations staff.

Current Budget Projected Activities

In 2025, the District has no specific equipment purchases, but would like to budget for the possibility of needed equipment. Going forward, the District will continue to evaluate its needs relative to its water utility operations.

Project Budget Estimate

Equipment Purchase	\$ 50,000
Annual Budget Estimate Total: \$ 50,000	

PROJECT JUSTIFICATION/BENEFITS:

The District is continually looking for equipment to purchase which will make service to it's customers more accurate and efficient.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000
TOTAL CAPITAL COSTS	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000
REVENUE:						
Water System Rates	10,000	10,000	10,000	10,000	10,000	50,000
TOTAL REVENUE	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000

Capital Costs Beyond 2029: To Be Determined.

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)
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CIP PROJECT NUMBER: RW-28

PROJECT NAME: Water Treatment Plant 1 Projects

STATUS: On-going

PROJECT LOCATION: District Facilities **PRIORITY:** Medium

ESTIMATED START DATE: On-going **ESTIMATED COMPLETION DATE:** On-going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

In 2019, the District's engineering consultant, RH2, completed an update to the District's Industrial Water System Comprehensive CIP Plan. The Plan, which was originated in 2010, identifies capital improvements for industrial water system facilities, including Water Treatment Plants 1&2 and the distribution piping running to Cherry Point. Going forward, the District will prioritize and proceed with certain capital improvements identified in the Plan. Upgrades to Water Treatment Plant No.1 is a high priority, given the age and condition of the Plant facilities. During 2023 the District completed a new compressor system to increase capacity for the air burst system for the intake facility screens. In 2023, the District replaced a flocculator and motor and an 18" basin gate valve.

Current Budget Projected Activities

In 2025, the District will continue working with it's water system engineering firm, Consor North America, on the design of the Water Treatment Plant No.1 upgrade project (RW-38). Staff will continue to monitor the existing Plant 1 for maintenance issues that must be addressed to maintain reliable operations or which present safety concerns. Projects identified will be budgeted and implemented.

Project Budget Estimate

2025-2029 Design, Engineer and Construction of on-going repairs at Water Treatment Plant 1	\$ 5,000,000
Budget Estimate Total: \$ 5,000,000	

PROJECT JUSTIFICATION/BENEFITS:

Improvements at Water Treatment Plant 1 are necessary to maintain reliability of plant operations and to assure a safe working environment for the District's employees. These CIPs help assure and improve service reliability for meeting the water demands of the District's industrial water customers.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000
TOTAL CAPITAL COSTS	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000
REVENUE:						
Water System Rates	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
TOTAL REVENUE	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000

Capital Costs Beyond 2029: To Be Determined.

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-33

PROJECT NAME: Petrogas Meter Relocate & SCADA Installation

PROJECT LOCATION: Distribution System (Douglas Road)

STATUS: New **PRIORITY:** Medium

ESTIMATED START DATE: 2025 **ESTIMATED COMPLETION DATE:** 2025

PROJECT DESCRIPTION/SCOPE:

Past Years Budget Activities

The industrial water line serving the Petrogas facility is a 14" line, owned by Petrogas, which connects to the District 24" water main in the vicinity of the Intalco industrial water supply point of delivery. The District's point of metering is located at the Petrogas end of the 14" line, inside the fence at the facility. There is no telemetry at the meter point and therefore water flows can't be monitored real time via the District's SCADA system. The project would involve the construction of a new vault to contain a new water meter, valves and telemetry. The vault would be located near the point at which the 14" Petrogas line is connected to the District's 24" line. There have been ongoing discussions with staff at the facility regarding future water facilities improvements and where water might be delivered to Petrogas.

Current Budget Projected Activities

The District plans to proceed with engineering analysis and design for this proposed project in 2025 in coordination with industrial water customers that might be impacted by the project. The project plan will require close coordination with these customers and include phased construction that minimizes water service interruptions. Depending on customer input, the project might proceed to bid and construction in 2026.

Project Budget Estimate

Engineering Analysis, Design & Construction Services	\$ 34,000
Materials Procurement and Construction (Competitive Bid Project)	238,000
Budget Estimate Total:	\$ 272,000

PROJECT JUSTIFICATION/BENEFITS:

This project, when completed, will assure reliable delivery of water to the connected customer. It will improve the accuracy of the recorded water delivery amounts. The ability to monitor water flows at this point of delivery will help assure the efficiency of water use via the ability to help detect potential leaks on the customer's owned pipeline downstream of the metering point. In accordance with the terms of the customer's industrial water contract, the customer is obligated to reimburse the District for the full cost of the project, as it involves only the customer's point of delivery.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 272,000	\$ -	\$ -	\$ -	\$ -	\$ 272,000
TOTAL CAPITAL COSTS	\$ 272,000	\$ -	\$ -	\$ -	\$ -	\$ 272,000
REVENUE:						
Customer Reimbursement	\$ 272,000	\$ -	\$ -	\$ -	\$ -	\$ 272,000
TOTAL REVENUE	\$ 272,000	\$ -	\$ -	\$ -	\$ -	\$ 272,000

Capital Costs Beyond 2029: None

WHATCOM PUD

2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-34
PROJECT NAME: PSE-Whitehorn Meter Relocate
PROJECT LOCATION: Distribution System
STATUS: On-going **PRIORITY:** Medium
ESTIMATED START DATE: 2026 **ESTIMATED COMPLETION DATE:** 2026

PROJECT DESCRIPTION/SCOPE:

Past Years Budget Activities

The industrial water line serving PSE's Whitehorn generating plant is a 10" line, owned by PSE, which connects to the District 24" water main in the vicinity of D Station off of Aldergrove Road. The District's point of metering is located at the end of the 10" line in a vault outside of the PSE facility. There is no telemetry at the meter point and therefore water flows can't be monitored via the District's SCADA system. The project would involve the construction of a new vault to contain a new water meter, valve and telemetry. During 2018, the District's water systems engineering consultant completed two feasibility studies with order of magnitude cost estimates. One design alternative locates the new vault inside the fence at D Station. The other locates the new vault alongside Aldergrove Road near D Station. During 2019, the District elected not to proceed with the project until after further evaluation. The estimated project cost was among the factors delaying the project. During 2022, the District re-evaluated the two design alternatives and elected to focus on locating the new facilities inside the fence at D Station. Some exploratory work was done to better define the project.

Current Budget Projected Activities

In 2026 in coordination with the District's customer, PSE, the District plans to complete the final design of this project. With PSE's support, the District also plans to proceed with permitting and construction of the project.

Project Budget Estimates

Engineering Analysis, Design & Construction Services	\$	133,000
Materials Procurement and Construction (Competitive Bid Project)		347,000
Budget Estimate Total:	\$	480,000

PROJECT JUSTIFICATION/BENEFITS:

This project, when completed, will assure reliable delivery of water to the connected customer. It will improve the accuracy of the recorded water delivery amounts. The ability to monitor water flows at this point of delivery will help assure efficient water use via the ability to help detect potential leaks on the customer owned pipeline downstream of the metering point. In accordance with the terms of the customer's industrial water contract, the customer is obligated to reimburse the District for the full cost of the project, as it involves only the customer's point of delivery.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs		\$ 480,000	\$ -	\$ -	\$ -	\$ 480,000
TOTAL CAPITAL COSTS	\$ -	\$ 480,000	\$ -	\$ -	\$ -	\$ 480,000
REVENUE:						
Customer Reimbursement	\$ -	\$ 480,000	\$ -	\$ -	\$ -	\$ 480,000
TOTAL REVENUE	\$ -	\$ 480,000	\$ -	\$ -	\$ -	\$ 480,000

Capital Costs Beyond 2029: None

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-35

PROJECT NAME: Water Treatment Plant 1& 2-VFDs for Pump Motors

PROJECT LOCATION: Water Treatment Plants

STATUS: Existing PRIORITY: Medium

ESTIMATED START DATE: 2025 ESTIMATED COMPLETION DATE: 2026

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is an ongoing CIP in which the District has expanded its efforts to include, where appropriate, VFDs for the large high head motor/pump assemblies at Plant 1 and Plant 2. In 2022, the District had plans to purchase and install a new VFD for control of high head motor/pump assembly 5 at Plant 1. This project has been initiated and installation was completed in 2024. In 2025, planning will be initiated to add a new high head 5 pump and VFD at Plant 2. Plans will also include maintenance of the 600hp motors and upgrade of the 350hp motors at Plant 2.

Current Budget Projected Activities

In 2025, the District plans to install the new VFD for control of high head motor/pump assembly 4 at Water Treatment Plant 1.

Project Budget Estimate

One VFD Drive and Installation for High Head Pump No.4 Water Treatment Plant No.1	\$ 850,000
Budget Estimate Total:	\$ 850,000

PROJECT JUSTIFICATION/BENEFITS:

The new VFDs facilitate greater operational flexibility, improve reliability, improve pump efficiency, and take up significantly less space.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 850,000	\$ -	\$ -	\$ -	\$ -	\$ 850,000
TOTAL CAPITAL COSTS	\$ 850,000	\$ -	\$ -	\$ -	\$ -	\$ 850,000
REVENUE:						
Water Service Rates	\$ 850,000	\$ -	\$ -	\$ -	\$ -	\$ 850,000
TOTAL REVENUE	\$ 850,000	\$ -	\$ -	\$ -	\$ -	\$ 850,000

Capital Costs Beyond 2029: To Be Determined.

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-38

PROJECT NAME: Water Treatment Plant 1 Rebuild

PROJECT LOCATION: Water Treatment Plant 1

STATUS: Existing **PRIORITY:** High

ESTIMATED START DATE: 2021 **ESTIMATED COMPLETION DATE:** TBD

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

Water Treatment Plant 1 was constructed in 1965 for the purpose of providing industrial water to the new Intalco Aluminum Smelter and later P66 was added as a customer. For several years, the District has initiated improvement projects to maintain reliability of water service out of the Plant. These capital projects have been tracked under CIP RW-28. Plant 1 has reached the end of its useful life. A rebuild of Plant 1 is planned and the capital project will be tracked under this RW-38. During 2022, the District in consultation with its water system engineer, Concur North America, selected a campus plan for Plant 1 and Concur initiated design of the elements.

Current Budget Projected Activities

In 2025, the District will continue working with CONSOR on the design for the Water Treatment Plant 1 Upgrade. It is anticipated that the final design for the Utilidor Access Building (UAB) portion of the project, which includes the utility corridor under Ferndale Road, will be constructed 2025-2026. The UAB portion may also include design and construction involving a re-locating of a portion of Plant 1's 24" distribution main. Also permitting activities for the project will begin ramping up. Construction of the UAB is expected to start during 2025.

Project Budget Estimate

Engineering and construction costs \$ 110,200,000

Budget Estimate Total: \$ 110,200,000

PROJECT JUSTIFICATION/BENEFITS:

Reliable and continuous operation of Water Treatment Plants 1 and 2 is essential to meeting the industrial water demands of the District's customers within the Cherry Point Heavy Industry area. Each plant must have the capability and reliability to provide continuous service to Cherry Point industries. Each plant must be available to back-up the other plant, when one of the plants is out of service on either a planned or un-planned basis.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 14,000,000	\$ 42,500,000	\$ 41,000,000	\$ 4,700,000	\$ 8,000,000	\$ 110,200,000
TOTAL CAPITAL COSTS	\$ 14,000,000	\$ 42,500,000	\$ 41,000,000	\$ 4,700,000	\$ 8,000,000	\$ 110,200,000
REVENUE:						
Water Service Rates	\$ 14,000,000	\$ 42,500,000	\$ 41,000,000	\$ 4,700,000	\$ 8,000,000	\$ 110,200,000
TOTAL REVENUE	\$ 14,000,000	\$ 42,500,000	\$ 41,000,000	\$ 4,700,000	\$ 8,000,000	\$ 110,200,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-41
PROJECT NAME: Cathodic Protection
PROJECT LOCATION: Water Distribution System
STATUS: New **PRIORITY:** Medium
ESTIMATED START DATE: 2026 **ESTIMATED COMPLETION DATE:** 2030

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

The industrial water system comprehensive capital improvements plan originally completed in 2010 and updated in 2019, identified cathodic protection for the industrial water system's distribution mains as one of the applicable improvements. Since 2010, exposure of the buried mains associated with various projects revealed the mains to be relatively free of corrosion. No cathodic improvements have been implemented.

Current Budget Projected Activities

In 2026, the District's engineering consultant will conduct hydraulic analyses of various water system distribution main capital improvement projects identified in the industrial water system comprehensive plan. These analyses will help determine which new mains and valves will be constructed in future years. As new piping is placed, cathodic protection will be added. In later years, cathodic protection of the remaining older lines will be re-visited. To-date, exposure of sections of the original distribution mains has revealed to staff that there are no significant corrosion issues.

Project Budget Estimate

Engineering and construction costs	\$	50,000
Budget Estimate Total:		\$ 50,000

PROJECT JUSTIFICATION/BENEFITS:

The industrial water system mains with the exception of the intertie line are reinforced concrete cylinder pipe (RCCP). This type of pipe includes exterior spiral steel reinforcing cabling and metal bands at joints to provide structural integrity and accommodate high pressure water passage. Corrosion control through cathodic protection helps assure pipe integrity and reliability of water service.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ -	\$ 50,000		\$ -	\$ -	\$ 50,000
TOTAL CAPITAL COSTS	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000
REVENUE:						
Water Service Rates	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000
TOTAL REVENUE	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD

2024 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

EXTRAORDINARY PROJECT: RW-44

PROJECT NAME: D Station Improvements

PROJECT LOCATION: Distribution System (Western End -Aldergrove Road)

STATUS: Ongoing PRIORITY: High

ESTIMATED START DATE: 2024 ESTIMATED COMPLETION DATE: 2025

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

In 2016, an engineering feasibility study, which identified alternatives for improving D station operations, was completed and presented to the District's customer served from D Station, the BP Refinery. Based on discussions with BP staff during 2017, the District selected the least-cost alternative for improving D Station. Discussions continued in 2018 - 2020, but the project was not implemented. Some site investigation for design was done in 2021. During 2022, some onsite soils testing and piping analysis was conducted. As a result, some design elements were re-evaluated and changed. Engineering of the proposed design changes needs to be completed.

Current Budget Projected Activities

The District plans to proceed with preliminary activities of the project in 2024 and complete in 2025. The District's portion of the project will involve installing a line stop replacing the valve controlling water flow from the District's 24" supply main to the customer's distribution system. The District's plans to proceed to construction of the improvements 2nd or 3rd quarter, depending on BP's operational constraints and after consultation with BP.

Project Budget Estimate

Remaining Engineering Services: Design, Bid, and Construction Services	\$ 160,000
Budget Estimate Total:	\$ 160,000

PROJECT JUSTIFICATION/BENEFITS:

The valve and piping improvements will improve reliability of service to the customer and increase capacity so that increased flows can be accommodated within design parameters. The new valve will be compatible with the duty cycles required when throttling the valve on a regular basis via the SCADA system. Also, the new mag meter will more accurately record flows and require less maintenance. D Station is currently a single customer industrial water supply point of delivery.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 160,000		\$ -	\$ -	\$ -	\$ 160,000
TOTAL CAPITAL COSTS	\$ 160,000	\$ -	\$ -	\$ -	\$ -	\$ 160,000
REVENUE:						
Water Service Rates	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ 80,000
Customer Reimbursement	80,000	-	-	-	-	80,000
TOTAL REVENUE	\$ 160,000	\$ -	\$ -	\$ -	\$ -	\$ 160,000

Capital Costs Beyond 2029: To Be Determined

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-46

PROJECT NAME: Phillips 66 Booster Pump

PROJECT LOCATION: Douglas Road

STATUS: New PRIORITY: Medium

ESTIMATED START DATE: 2024 ESTIMATED COMPLETION DATE: 2025

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new CIP effort to be initiated in 2024. Currently, there is an existing vault and meter at the intersection of Unick and Lake Terrell Roads that services the Phillips66 refinery. Phillips 66 has a higher PSI requirement for water delivery than any other of the PUD's industrial water customers. This higher PSI requirement forces operations to run the Plants at a higher PSI leaving the facilities.

Current Budget Projected Activities

PUD has contracted with an engineering firm to design a Booster Pump Station. The pump station will include pumps and appurtenances to increase the PSI immediately before the delivery point. Accordingly, the Plants can be run at a lower departure PSI.

Project Budget Estimate

Engineering Analysis, Design and Construction Services	\$ 300,000
Materials Procurement and Construction (Competitive Bid Project)	1,500,000
Budget Estimate Total:	\$ 1,800,000

PROJECT JUSTIFICATION/BENEFITS:

The project will allow the Plants to be run at a lower PSI which will lower electricity usage. The lower electricity usage will lower the overall operating costs.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 1,800,000		\$ -	\$ -	\$ -	\$ 1,800,000
TOTAL CAPITAL COSTS	\$ 1,800,000	\$ -	\$ -	\$ -	\$ -	\$ 1,800,000
REVENUE:						
Water Service Rates	\$ 1,800,000	\$ -	\$ -	\$ -	\$ -	\$ 1,800,000
TOTAL REVENUE	\$ 1,800,000	\$ -	\$ -	\$ -	\$ -	\$ 1,800,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-47

PROJECT NAME: Intake Screens

PROJECT LOCATION: Water Intakes

STATUS: New PRIORITY: Medium

ESTIMATED START DATE: 2025 ESTIMATED COMPLETION DATE: 2026

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new CIP effort to be initiated in 2025. Currently, there is an existing screened intake apparatus to allow Nooksack River water to flow into the Intake Facility. Depending on river conditions, including debris, mud, or frazil ice, this may cause the screens to become clogged and impede water infiltration into the intake. Operations employs an air burst system to free the screens of debris, however, that method is prone to lag on providing the required level of water penetration.

Current Budget Projected Activities

PUD will contract with an engineering firm to explore options for the Plant 2 Intake Screens. Potential options will be utilized to maintain free flowing water into the intake facility. Options may include brushes for the screens, redesigned air blow off, rotating screens, or other possible options.

Project Budget Estimate

Engineering and construction costs	\$ 850,000
Budget Estimate Total:	\$ 850,000

PROJECT JUSTIFICATION/BENEFITS:

The Intake Facility is the first line process activity for PUD to provide clarified water to Industrial Customers. A failure in this step can lead to cascading failures for the entire water clarification process stream. PUD intends to be proactive in crafting solutions to potential process issues.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 350,000	\$ 500,000	\$ -	\$ -	\$ -	\$ 850,000
TOTAL CAPITAL COSTS	\$ 350,000	\$ 500,000	\$ -	\$ -	\$ -	\$ 850,000
REVENUE:						
Water Service Rates	\$ 350,000	\$ 500,000	\$ -	\$ -	\$ -	\$ 850,000
TOTAL REVENUE	\$ 350,000	\$ 500,000	\$ -	\$ -	\$ -	\$ 850,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-50

PROJECT NAME: Water Treatment Plant 2 Storage

PROJECT LOCATION: Water Treatment Plant 2

STATUS: New PRIORITY: Low

ESTIMATED START DATE: 2025 ESTIMATED COMPLETION DATE: TBD

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new CIP effort to be initiated in 2025. As both material costs and lead times increase, operations continues to explore opportunities to maintain a resilient system. Often this involves purchasing additional parts or maintaining spare supply to enhance uptime. These activities lead to a larger inventory that need proper, secure storage.

Current Budget Projected Activities

PUD will contract with an engineering firm to explore options for a Plant 2 climate controlled, materials storage building.

Project Budget Estimate

Engineering and construction costs	\$ 400,000
Budget Estimate Total:	\$ 400,000

PROJECT JUSTIFICATION/BENEFITS:

Although a majority of PUD processes involve water, most inventory items can not be kept outside for long term storage. A new enclosed storage will protect PUD investments from the elements, as well as provide secure storage.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 50,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 400,000
TOTAL CAPITAL COSTS	\$ 50,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 400,000
REVENUE:						
Water Service Rates	\$ 50,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 400,000
TOTAL REVENUE	\$ 50,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 400,000

Capital Costs Beyond 2029: None

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-51

PROJECT NAME: Basin PVC Water line replacement with Stainless

PROJECT LOCATION: Water Basins

STATUS: New PRIORITY: Medium

ESTIMATED START DATE: 2025 ESTIMATED COMPLETION DATE: 2030

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new CIP effort to be initiated in 2025. When Plant 2 was upgraded, a decision was made to install PVC service water lines throughout the settling basins. These PVC lines have proven to have a relatively short lifespan, and as they are replaced, they will be replaced with stainless steel piping.

Current Budget Projected Activities

PUD will not need to contract with an engineering firm to replace the PVC service lines for Plant 2. The contractor will be able to gather all information needed for replacement.

Project Budget Estimate

Construction costs	\$	75,000
Budget Estimate Total:		\$ 75,000

PROJECT JUSTIFICATION/BENEFITS:

Operations sees a need to proactively replace these lines so there is not a failure or leak while the basins are full and operating. Any needed repair during this time could seriously hinder plant uptime.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 25,000	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ 75,000
TOTAL CAPITAL COSTS	\$ 25,000	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ 75,000
REVENUE:						
Water Service Rates	\$ 25,000	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ 75,000
TOTAL REVENUE	\$ 25,000	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ 75,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-53

PROJECT NAME: P1 Intake Water Sprayer System Replace Air Scour

PROJECT LOCATION: Water Intake

STATUS: New **PRIORITY:** Medium

ESTIMATED START DATE: 2025 **ESTIMATED COMPLETION DATE:** TBD

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new CIP effort to be initiated in 2025. RW-53 is a project to replace the Air Scour piping and sprayers.

Current Budget Projected Activities

The existing air burst system utilized to clean the screens during frazil and dirty rivers is nearly twenty years old. Maintenance activities have been performed over the years but it now needs a major overhaul. The main supply lines will be replaced and a new line added, as well as the delivery piping and air sprayer nozzles.

Project Budget Estimate

Engineering and construction costs per year	\$ 125,000
Budget Estimate Total:	\$ 125,000

PROJECT JUSTIFICATION/BENEFITS:

The Nooksack River presents a dynamic, challenging natural system. Depending on the season, operations must contend with frazil, mud, high turbidity, or debris; all potentially leading to a plugging of the Intake screens. PUD will continually make efforts to maintain plant production availability. Being capable of keeping the screens clear is a necessary operational activity.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 125,000					\$ 125,000
TOTAL CAPITAL COSTS	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000
REVENUE:						
Water Service Rates	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000
TOTAL REVENUE	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-54

PROJECT NAME: Floc replacement

PROJECT LOCATION: Water basins

STATUS: New PRIORITY: Low

ESTIMATED START DATE: 2025 ESTIMATED COMPLETION DATE: 2025

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new CIP effort to be initiated in 2025. RW-52 is a project to replace the aging Plant 1 flocculators.

Current Budget Projected Activities

PUD will not need to contract with an engineering firm to explore options for the Plant 2

Project Budget Estimate

Design and Construction Services	\$	35,000
Budget Estimate Total:		\$ 35,000

PROJECT JUSTIFICATION/BENEFITS:

The water treatment flocculators run constantly through the year which will lead to wear and tear. Operations is planning ahead for replacement to deter downtime.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000
TOTAL CAPITAL COSTS	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000
REVENUE:						
Water Service Rates	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000
TOTAL REVENUE	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD

2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-55

PROJECT NAME: Power to the Douglas (Intertie) vault

PROJECT LOCATION:

STATUS: New **PRIORITY:** High

ESTIMATED START DATE: 2025 **ESTIMATED COMPLETION DATE:** 2025

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

Electrical equipment in the Douglas Road vault is powered by an electric feeder off of the Intalco plant's internal electric distribution system. If Intalco experiences an outage and the feeder is de-energized, so is the equipment in the Douglas Road vault. When completed, it would eliminate the District's dependency on Intalco facilities for power supply and SCADA monitoring of the Douglas Road vault location water flows and valve. Elements of the project include: (a) In 2020 the District installed a flow meter for recording industrial water supplied to the potable plant outside of the Intalco fence to a site near where the service line to Intalco connects to the District's 24" main line. A shut-off valve was also installed ; (b) SCADA equipment and communications link is be tied to the new meter vault location and removed from Intalco's potable plant; (c) Install a solar power supply at the Douglas Road vault to provide power, a generator connection will be also installed in case of emergency. For back-up power services, District staff will evaluate the use of a UPS unit and solar power option to be installed at the Douglas Road vault location.

Current Budget Projected Activities

PUD will contract with an engineering firm to explore options for providing new electrical power to the Intertie vault.

Project Budget Estimate

Engineering and construction costs	\$ 150,000
Budget Estimate Total:	\$ 150,000

PROJECT JUSTIFICATION/BENEFITS:

Improves operational access to metering. Improves security by: 1) Removal of devices located in customer's facility that are connected to the PUD's SCADA system, and 2) Access to Douglas vault will be made more secure. Improves operations by eliminating water flow meter from location on customer's property and adding a meter that can be more readily accessed and monitored. Operational reliability is improved by providing back-up power supply for Douglas road vault.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
TOTAL CAPITAL COSTS	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
REVENUE:						
Water Service Rates	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
TOTAL REVENUE	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-56

PROJECT NAME: Rework Intake Screens

PROJECT LOCATION: WTP1 Intake

STATUS: New PRIORITY: High

ESTIMATED START DATE: 2025 ESTIMATED COMPLETION DATE: 2026

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new CIP effort to be initiated in 2025. RW-56 is a project to explore options to install intake screens or alternatives to enhance reliability.

Current Budget Projected Activities

PUD will contract with an engineering firm to explore options for the Plant 1 Intake Screens. Potential options will be utilized to maintain free flowing water into the intake facility. Options may include brushes for the screens, redesigned air blow off, rotating screens, or other possible options.

Project Budget Estimate

Engineering and construction costs \$ 500,000

Budget Estimate Total: \$ 500,000

PROJECT JUSTIFICATION/BENEFITS:

The Nooksack River presents a dynamic, challenging natural system. Depending on the season, operations must contend with frazil, mud, high turbidity, or debris; all potentially leading to a plugging of the Intake screens. PUD will continually make efforts to maintain plant production availability.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 150,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 500,000
TOTAL CAPITAL COSTS	\$ 150,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 500,000
REVENUE:						
Water Service Rates	\$ 150,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 500,000
TOTAL REVENUE	\$ 150,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 500,000

Capital Costs Beyond 2029: None

WHATCOM PUD

2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-56

PROJECT NAME: Replace wood in basins

PROJECT LOCATION: Water Treatment Facilities

STATUS: New PRIORITY: Medium

ESTIMATED START DATE: 2025 ESTIMATED COMPLETION DATE: 2026

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new CIP effort to be initiated in 2025. RW-52 is a project to replace the aging wooden dividers in the Plant 1 settling basins.

Current Budget Projected Activities

PUD will not need to contract with an engineering firm to explore options for the Plant 1 basin dividers.

Project Budget Estimate

Replace wood in basins \$ 80,000

Budget Estimate Total: \$ 80,000

PROJECT JUSTIFICATION/BENEFITS:

The original Plant 1 design utilized wooden dividers in the settling basins to calm and slow the waters to allow flocculation to occur. As with any wood that is constantly submerged in water, it will begin to deteriorate. This crumbling wood can be introduced into pumps, valves, and other equipment, causing damage.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 40,000	\$ 40,000	\$ -	\$ -	\$ -	\$ 80,000
TOTAL CAPITAL COSTS	\$ 40,000	\$ 40,000	\$ -	\$ -	\$ -	\$ 80,000
REVENUE:						
Water Service Rates	\$ 40,000	\$ 40,000	\$ -	\$ -	\$ -	\$ 80,000
TOTAL REVENUE	\$ 40,000	\$ 40,000	\$ -	\$ -	\$ -	\$ 80,000

Capital Costs Beyond 2029: None

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

CIP PROJECT NUMBER: RW-98

PROJECT NAME: Water Basin Enclosures

PROJECT LOCATION:

STATUS: New PRIORITY: Medium

ESTIMATED START DATE: 2025 ESTIMATED COMPLETION DATE: 2026

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new CIP effort to be initiated in 2025. The basins at Plant 2 are uncovered and exposed to the harsh northeast wind that we receive from the Fraser Valley. Previous years, operators have needed to manually break free ice from the weirs to allow water to continue to flow. Previously there have been instances of nearly losing water flow from the plant as well as the unsafe conditions to which the operators are exposed.

Current Budget Projected Activities

PUD will contract with an engineering firm to design an enclosure system for Plant 2 Basins 1-4. The enclosure will consist of a steel frame with a fabric shroud. Included will be engineering and installation of the covers.

Project Budget Estimate

Engineering Analysis, Design & Construction Services	\$ 600,000
Material Procurement and Construction (Competitive Bid Project)	2,900,000
Budget Estimate Total:	\$ 3,500,000

PROJECT JUSTIFICATION/BENEFITS:

A basin cover system will protect the exposed basins from extreme cold and wind. Protection from the elements will provide a more reliable, safer environment for water delivery during inclement weather.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 3,500,000		\$ -	\$ -	\$ -	\$ 3,500,000
TOTAL CAPITAL COSTS	\$ 3,500,000	\$ -	\$ -	\$ -	\$ -	\$ 3,500,000
REVENUE:						
Water Service Rates	\$ 3,500,000	\$ -	\$ -	\$ -	\$ -	\$ 3,500,000
TOTAL REVENUE	\$ 3,500,000	\$ -	\$ -	\$ -	\$ -	\$ 3,500,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

GRANDVIEW WATER UTILITY - 411 (Potable and Fire)

CIP PROJECT NUMBER: GVF-4

PROJECT NAME: Grandview Fire System Improvements

PROJECT LOCATION: Grandview Fire System

STATUS: On-going PRIORITY: Medium

ESTIMATED START DATE: On-going ESTIMATED COMPLETION DATE: On-going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new CIP for 2025. Budget activities for the Grandview Northgate system are kept to minimum as costs are already quite high.

Current Budget Projected Activities

Move existing Fire Pump to building at the top of Northgate Spur.

Project Budget Estimate

Water system improvements identified by Capital Improvement plan \$ 50,000

Budget Estimate Total: \$ 50,000

PROJECT JUSTIFICATION/BENEFITS:

Pump in place is old and the new replacement pump has very low hours.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000
TOTAL CAPITAL COSTS	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000
REVENUE:						
Water Service Rates	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000
TOTAL REVENUE	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

GRANDVIEW WATER UTILITY - 411 (Potable and Fire)

CIP PROJECT NUMBER: GVP-3

PROJECT NAME: Grandview Potable System Improvements

PROJECT LOCATION: Northgate Potable Plant

STATUS: On-going **PRIORITY:** Medium

ESTIMATED START DATE: On-going **ESTIMATED COMPLETION DATE:** On-going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new capital project for 2025.

Current Budget Projected Activities

Operations staff will be designing and installing upgraded PLC's for the SCADA system.

Project Budget Estimate

Water system Improvements identified by Capital Improvement plan \$ 100,000

Budget Estimate Total: \$ 100,000

PROJECT JUSTIFICATION/BENEFITS:

A fully functioning SCADA control for the potable system allows for operations staff to quickly know of any issues with the potable system. This knowledge helps staff maintain a constant flow of potable water to the customers. It also alerts staff to any changing conditions at the potable building that could lead to long term failures.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ 100,000
TOTAL CAPITAL COSTS	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ 100,000
REVENUE:						
Water Service Rates	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ 100,000
TOTAL REVENUE	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ 100,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD
2025 Capital Improvement Budget (CIP)

GRANDVIEW WATER UTILITY - 411 (Potable and Fire)

CIP PROJECT NUMBER: GVP-4
PROJECT NAME: Grandview Potable Plant Land Acquisition
PROJECT LOCATION: Northgate Potable Plant
STATUS: New **PRIORITY:** High
ESTIMATED START DATE: 2024 **ESTIMATED COMPLETION DATE:** TBD

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

A new capital project.

Current Budget Projected Activities

In 2025, the District plans to pursue acquisition of the property on which the potable plant facilities reside. Such area must be acquired to include the well water protection zone.

Project Budget Estimate

Land Purchase \$ 75,000

Budget Estimate Total: \$ 75,000

PROJECT JUSTIFICATION/BENEFITS:

The District's potable water plant (well, pumps, treatment equipment, and storage tank) is located on property owned by the original developer of the Northgate portion of the Grandview Water System. The District accesses, and uses the property via an underlying perpetual easement. As one outcome of DOH approval of the updated Comprehensive Water System Plan for the Grandview Water System, the District must develop a management plan for the potable water system that includes security and protection of the potable water plant. The District believes one essential element of this plan is to control the property on which the potable facilities reside.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 75,000					\$ 75,000
TOTAL CAPITAL COSTS	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
REVENUE:						
Water Service Rates	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
TOTAL REVENUE	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

GRANDVIEW WATER UTILITY - 411 (Potable and Fire)

CIP PROJECT NUMBER: GVP-7

PROJECT NAME: Replace Booster Pump Well Diesel

PROJECT LOCATION: Grandview Potable System

STATUS: New **PRIORITY:** Medium

ESTIMATED START DATE: 2025 **ESTIMATED COMPLETION DATE:** TBD

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new capital project for 2025.

Current Budget Projected Activities

The GV Potable building has a series of pumps that are used to bring the water line up to pressure for water delivery. Operations staff will replace or add pumps to the delivery system to maintain potable water flow.

Project Budget Estimate

Equipment Purchase and Installation	\$ 30,000
Budget Estimate Total:	\$ 30,000

PROJECT JUSTIFICATION/BENEFITS:

After multiple years of continuous use, wear and tear accumulates. This CIP is to proactively replace pumps to maintain continuous, proper water delivery to customers. Staff will continue to proactively seek opportunities to eliminate system downtime.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000
TOTAL CAPITAL COSTS	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000
REVENUE:						
Water Service Rates	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000
TOTAL REVENUE	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD

2025 Capital Improvement Budget (CIP)

ELECTRIC UTILITY - 481

CIP PROJECT NUMBER: E-6

PROJECT NAME: 115 kV Transmission Line Improvements

STATUS: Existing

PROJECT LOCATION: Various Locations Along the 115 kV Transmission Line **PRIORITY:** High

ESTIMATED START DATE: On-going **ESTIMATED COMPLETION DATE:** On-going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

The District has established a transmission structure replacement schedule with the objective to systematically replace all structures installed prior to 2000. Each year a grouping of structures will be replaced with priority given to those structures that are in the poorest condition or that have another strategic reason for replacement. In addition, the 115 kV conductors will be evaluated and replaced in sections, as necessary, based on condition and feasibility, (i.e. section over I-5). As part of the replacement plan, the District annually field inspects all 115 kV transmission structures within its electric system. The number of structures or structural components may be increased or decreased depending upon the results of the annual inspections. Electric system regulatory requirements may require additional data collection and analysis in the future. During 2022, the District moved into a maintenance and monitoring mode with regard to transmission structures.

Current Budget Projected Activities

In 2025 and the following years, the high voltage (115 kV) electrical conductors will be evaluated not only for condition, but also the capacity to carry anticipated power flows. Ongoing continuous monitoring of the condition of the District's 115 kV system will help assure a high level of electric service reliability.

Project Budget Estimate

Engineering, Material Acquisition & Construction Work	\$ 250,000
Steel pole	45,000
Budget Estimate Total:	\$ 295,000

PROJECT JUSTIFICATION/BENEFITS:

The work planned and completed under CIP E-6 has been for the purpose of assuring reliable and safe electric power delivery over the District's electric system facilities for use by the District's customers and the District's water plants. The District will continue to monitor, maintain, and upgrade its transmission structures and high voltage electric conductors to assure reliability and adequate capacity to meet electric demands on its system. Also, the District will take such actions and implement projects, as necessary, to assure compliance with applicable regulatory requirements (i.e. WECC, NERC, and FERC).

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 95,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 295,000
TOTAL CAPITAL COSTS	\$ 95,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 295,000
REVENUE:						
Electric Service Rates	\$ 92,625	\$ 48,750	\$ 48,750	\$ 48,750	\$ 48,750	\$ 287,625
Water System Rates	2,375	1,250	1,250	1,250	1,250	7,375
TOTAL REVENUE	\$ 95,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 295,000

Capital Costs Beyond 2029: 30-40 year replacement cycles, based on depreciation and wear

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

ELECTRIC UTILITY - 481

CIP PROJECT NUMBER: E-15

PROJECT NAME: Electric Utility Vehicles

PROJECT LOCATION: District Electric Service Area

STATUS: Existing **PRIORITY:** Medium

ESTIMATED START DATE: On-going **ESTIMATED COMPLETION DATE:** On-going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

In 2019, the District purchased through the Washington State purchasing process, a new full sized Dodge Ram pick-up for use by electric utility operations staff. The District planned to purchase another full sized pick-up and a used insulated bucket truck during 2022. However, neither purchase occurred. Identifying and procuring a used bucket truck via an auction proved to be a challenge.

Current Budget Projected Activities

In 2026, the District again plans to purchase a full sized pick-up. The District will utilize reliable public auction sites to identify used vehicles that meet the District's criteria and then participate in scheduled competitive bids to acquire the vehicle. Also, one of the full sized pick-ups will be surplus and replaced, using the State of Washington Enterprise purchases system for acquiring the vehicle. If a suitable used insulated bucket truck is found, it would be considered for purchase. So far, the District has been unable to find a suitable bucket truck.

Project Budget Estimate

Used insulated bucket truck	\$	70,000
Signage, Accessories & Safety Equipment		10,000
		\$ 80,000
F-250 Extended Cab 4 -Wheel Electric Utility Pick-up or comparable pick-up	\$	39,000
Signage, Accessories & Safety Equipment		8,000
		Budget Estimate Total: \$ 47,000

Year	Description	Planned Replacement	Estimated Cost
2016	Ford F250	2026	\$ 47,000
2019	Dodge Ram 1500 CC	2029	47,000

PROJECT JUSTIFICATION/BENEFITS:

Currently, the District has no utility bucket truck. When one is required to access and maintain District electric facilities, the District must seek one from a rental company. Such vehicles are not readily available. This creates un-certainty with regard to scheduling work. In emergency situations, the District must rely on third parties to provide a bucket truck, if they have one available at the time of the emergency. Electric utility's staff use of the vehicle would be for such facilities as substations, aerial fiber optic cabling, light poles, and other elevated facilities. The bucket truck would not be utilized for work on the District's 115 kV transmission structures and lines. This work would continue to be provided by third party entities with high voltage qualified line crews. The utility trucks are on a replacement schedule depending on mileage and wear. Electric or hybrid vehicles will be considered.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ -	\$ 47,000	\$ -	\$ -	\$ 47,000	\$ 94,000
TOTAL CAPITAL COSTS	\$ -	\$ 47,000	\$ -	\$ -	\$ 47,000	\$ 94,000
REVENUE:						
Electric Service Rates	\$ -	\$ 47,000	\$ -	\$ -	\$ 47,000	\$ 94,000
TOTAL REVENUE	\$ -	\$ 47,000	\$ -	\$ -	\$ 47,000	\$ 94,000

Capital Costs Beyond 2029: Replacement of vehicles will be based upon accumulated mileage and condition.

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

ELECTRIC UTILITY - 481

CIP PROJECT NUMBER: E-25

PROJECT NAME: Electric System Non-Vehicle Equipment

PROJECT LOCATION: District Facilities

STATUS: New **Priority:** Medium

ESTIMATED START DATE: On-going **ESTIMATED COMPLETION DATE:** On-going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

On an annual basis, District staff will assess what major tools, equipment, and other testing devices might be necessary to support electric system operations. These items are used for analysis of the condition and operation of electrical devices associated with the District's high voltage substations, transmission line, medium voltage switchgear, and lower voltage equipment associated with the water system. In addition, equipment necessary to operate safely and to assure physical security of electric facilities will also be assessed. As regulatory and industrial standards change over time, District staff will regularly reassess what new tools, equipment or devices might be required to capture the necessary data to meet regulatory requirements, log operational parameters, and to demonstrate physical security measures.

Current Budget Projected Activities

For 2025, the District will focus on additional electric system testing equipment that may be required to acquire data and calibrate equipment in order to maintain compliance with NERC electric reliability standards and requirements associated with the District's 115 kV electric system and its Bulk Electric System (BES) designated equipment. Also, testing, calibration, and data requirements will increase as a result of the real-time communications link to be established between the electric systems of the District and BPA.

Project Budget Estimate

Equipment Purchase	\$ 50,000
Budget Estimate Total:	\$ 50,000

PROJECT JUSTIFICATION/BENEFITS:

Equipment, devices, testing instruments purchased will help assure reliable operation of electric system components, detect potential hazardous conditions, and to help secure the District's electric facilities against physical threats. Also, such equipment will assist District staff in gathering data, testing and calibrating electrical devices to comply with relevant NERC electric system reliability standards, which are federally mandated.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000
TOTAL CAPITAL COSTS	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000
REVENUE:						
Electric Rate Revenue	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000
TOTAL REVENUE	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD

2025 Capital Improvement Budget (CIP)

ELECTRIC UTILITY - 481

CIP PROJECT NUMBER: E-28

PROJECT NAME: Refinery Substation Capacity Upgrade

PROJECT LOCATION: Refinery Substation

STATUS: New **Priority:** High

ESTIMATED START DATE: 2025 **ESTIMATED COMPLETION DATE:** 2029

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

During 4th Quarter 2023, District staff began evaluating feasible options for increasing the capacity of the Refinery substation to accommodate anticipated future increases in the electric load served from the substation. Also under consideration is the re-configuring of the 13.8 kV switchgear and buss. Discussions with the load customer served off the substation are ongoing.

Current Budget Projected Activities

During 2025, the District will incur administrative overhead and engineering services expenses associated with evaluation of design options feasibility, design and specifications review. Further, once specified, long lead time equipment (i.e. transformers) may be ordered. If so, only partial payments will be made in 2025 to assure placement in the manufacturing cue and to cover some production costs. Balance of payments for the equipment will be three to five years out. The Budget listed below is speculative at this point.

Project Budget Estimate

Engineering Services	\$	50,000
Equipment		500,000
Budget Estimate Total:		\$ 550,000

PROJECT JUSTIFICATION/BENEFITS:

District staff continually evaluate the District's 115 kV electric system facilities to assure the ability to meet its electric load capacity requirements and to assure high reliability of electric service delivery. This CIP project is for this purpose, a capacity increase to meet increasing load requirements and provide redundancy to support reliability.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 550,000	-	-	-	-	\$ 550,000
TOTAL CAPITAL COSTS	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$ 550,000
REVENUE:						
Electric Rate Revenue	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$ 550,000
TOTAL REVENUE	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$ 550,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD 2024 Capital Improvement Budget (CIP)

BROADBAND - 473

CIP PROJECT NUMBER: BB-1

PROJECT NAME: Pt Roberts Fiber Project

PROJECT LOCATION: Pt Roberts

STATUS: New **Priority:** High

ESTIMATED START DATE: 2023 **ESTIMATED COMPLETION DATE:** 2025

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new project.

Current Budget Projected Activities

Whatcom PUD will build, construct and own the FTTx network in the project area and will connect to a co-location facility/cabinet. The key objective of the project is to bring urban-priced internet services to rural areas by creating a fiber plant companies can use to bring rural area customers services. Port of Bellingham, Whatcom County and many more are critical partners in the PUD's ongoing fiber project initiative. Key milestones are as follows: The County has allocated ARPA funds to the tune of \$350,000 dollars to use as matching dollars to help build out a FTTx network in Point Roberts. This project is a last mile project to serve 1,274 locations. See attachments tab for address point list. The total cost of the project is roughly 118,890 ft of aerial (includes roughly 3164 ft of aerial middle mile) and 15,289 ft of underground infrastructure for fiber to the premise.

Project Budget Estimate

Cultural Resources and Historical Review (Section 106 or Executive Order 21-02)	\$ 12,500
Environmental Review	12,500
Land/Rights-of-Way Acquisition/Site Control	12,500
Permits	300,000
Construction	1,600,000
Bid Documents (Design Engineering)	169,250
Broadband Equipment/materials for construction project	1,100,000
Other	218,250

Budget Estimate Total: \$ 3,425,000

PROJECT JUSTIFICATION/BENEFITS:

Bringing broadband services to rural areas has been critical since Governor Locke created a program in 1999 to bridge the digital divide. At that time broadband to rural areas was lagging. More than twenty years later we are still working on solutions to these same issues that are impeding this progress. With COVID 19 comes an even bigger barrier to living in rural areas as video telemedicine and in-home schooling and work are now daily parts of our lives. All of the normal systems we used of going to the doctor, school, or work for the majority of people who live in the project area are affected by COVID. All of the 1,274 plus residents and business locations in the project area should have reliable broadband services at an affordable rate.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 3,425,000	\$ -	\$ -	\$ -	\$ -	\$ 3,425,000
-						
TOTAL CAPITAL COSTS	\$ 3,425,000	\$ -	\$ -	\$ -	\$ -	\$ 3,425,000
REVENUE:						
WSBBO Grant	\$ 3,150,000	\$ -	\$ -	\$ -	\$ -	\$ 3,150,000
Whatcom County	50,000					50,000
State Capital Fund	225,000					225,000
TOTAL REVENUE	\$ 3,425,000	\$ -	\$ -	\$ -	\$ -	\$ 3,425,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

EXTRAORDINARY PROJECT: RW-M-2

PROJECT NAME: Clean Sediment Settling Ponds

PROJECT LOCATION: Plant Nos. 1 & 2

STATUS: Existing PRIORITY: High

ESTIMATED START DATE: On-going ESTIMATED COMPLETION DATE: On-going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

A large annual maintenance activity associated with the industrial water system is the removal of sediment from the settling ponds associated with Water Treatment Plants No.1 and 2. The ponds are cleaned on a rotating basis and each year several thousand yards of sediment are removed by the District's contractor and deposited at an off-site location. In 2022, the District's contractor removed accumulated sediment from the north settling pond at Water Treatment Plant No. 1. In 2023, the District's contractor removed accumulated sediment from the east settling pond at Water Treatment Plant No.2. The work was completed during the third quarter of the year.

Current Budget Projected Activities

In 2025, the District plans to remove sediment from one (1) location that the District determines most in need. The contractor will be selected via competitive bid during the second or third quarter of the year and the removal of sediment will be scheduled depending on the weather.

Project Budget Estimate

Plant 1 & 2 Competitive Bid Contract for Excavation & Hauling of Materials from Ponds	\$ 855,000
Budget Estimate Total:	\$ 855,000

PROJECT JUSTIFICATION/BENEFITS:

The Settling Ponds are used as the final discharge of the silt and sand that is removed from each of the clarification basins during a "wash-down". Historically, the District excavated the material and allowed it to stockpile on the berm adjacent to the basins. However, this method limited access to and around the ponds. Furthermore, the sediment cannot be deposited or spread on District property designated as "wetlands". Therefore, removal and deposition of the sediment is accomplished by the contractor at an off-site location. The material to be removed is analyzed to determine its composition and whether it is suitable for off-site disposal. Because large amounts of sediment settle in the ponds each year, this maintenance activity must occur on an annual basis.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 165,000	\$ 165,000	\$ 175,000	\$ 175,000	\$ 175,000	\$ 855,000
TOTAL CAPITAL COSTS	\$ 165,000	\$ 165,000	\$ 175,000	\$ 175,000	\$ 175,000	\$ 855,000
REVENUE:						
Water Service Rates	\$ 165,000	\$ 165,000	\$ 175,000	\$ 175,000	\$ 175,000	\$ 855,000
TOTAL REVENUE	\$ 165,000	\$ 165,000	\$ 175,000	\$ 175,000	\$ 175,000	\$ 855,000

Capital Costs Beyond 2029: Annual On-going maintenance.

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

EXTRAORDINARY PROJECT: RW-M-10

PROJECT NAME: Intake and High Head Pump Rebuild & Motor Rewind

STATUS: Annual

PROJECT LOCATION: District Facilities

PRIORITY: High

ESTIMATED START DATE: On-going

ESTIMATED COMPLETION DATE: On-going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

As part of the District's evolving major equipment maintenance schedule for the industrial water system facilities, the District has targeted the re-build of at least one intake or high head pump and the rewind of one pump motor drive at either Water Treatment Plant No.1 or No. 2. In 2023, the District proceeded with the purchase of two intake pump which were beyond repair. The purchase is reflected in capital project RW-48.

Current Budget Projected Activities

During 2025, the District will evaluate and proceed with the rebuild of potentially one pump assemblies and motor rewind for either Plant 1 or 2.

Project Budget Estimate

Pump Rebuild & Motor Rewind Work	(1 Pump & Motor)	\$ 625,000
	Budget Estimate Total:	\$ 625,000

PROJECT JUSTIFICATION/BENEFITS:

Regular scheduled major overhauls of intake and high head pumps and motors improves & maintains plant reliability.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 625,000
TOTAL CAPITAL COSTS	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 625,000
REVENUE:						
Water Service Rates	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 625,000
TOTAL REVENUE	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 625,000

Capital Costs Beyond 2029: To Be Determined.

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

EXTRAORDINARY PROJECT: RW-M-14

PROJECT NAME: Remove Communication Tower

STATUS: New

PROJECT LOCATION: Bender Park

PRIORITY: High

ESTIMATED START DATE: 2025

ESTIMATED COMPLETION DATE: 2025

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new effort to be initiated for 2024. The existing PUD Bender Park Radio Tower will no longer be utilized for any operational activity as The City of Ferndale has requested we remove all equipment and demolish the tower. The City delayed the removal deadline until 2025.

Current Budget Projected Activities

During 2025, the District will have the tower removed and properly disposed. The above grade structure will be demolished and the site perimeter returned to bare ground. PUD staff will need to coordinate with AT&T to have them remove their equipment.

Project Budget Estimate

Removal of communication tower

	\$ 50,000
Budget Estimate Total:	\$ 50,000

PROJECT JUSTIFICATION/BENEFITS:

The City of Ferndale has decided to not renew our easement at Bender Park.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 50,000					\$ 50,000
TOTAL CAPITAL COSTS	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000
REVENUE:						
Water Service Rates	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000
TOTAL REVENUE	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000

Capital Costs Beyond 2029: None

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

INDUSTRIAL WATER UTILITY - 403 (Cherry Point Industrial, Wholesale / Municipal, Irrigation)

EXTRAORDINARY PROJECT: RW-M-15

PROJECT NAME: Paint Exterior of Buildings

STATUS: New

PROJECT LOCATION: Water System

PRIORITY: Low

ESTIMATED START DATE: 2025

ESTIMATED COMPLETION DATE: TBD

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new effort to be initiated in 2025. RW-M-15 is a project to paint the exterior of PUD buildings in a systematic manner.

Current Budget Projected Activities

In 2025, PUD will begin with several of the buildings that are in the most need of painting, and proceed from there.

Project Budget Estimate

Materials and Labor

\$ 80,000
Budget Estimate Total: \$ 80,000

PROJECT JUSTIFICATION/BENEFITS:

Regular maintenance activities of PUD assets is required to extend the longevity of those assets.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 40,000	\$ 40,000				\$ 80,000
TOTAL CAPITAL COSTS	\$ 40,000	\$ 40,000	\$ -	\$ -	\$ -	\$ 80,000
REVENUE:						
Water Service Rates	\$ 40,000	\$ 40,000	\$ -	\$ -	\$ -	\$ 80,000
TOTAL REVENUE	\$ 40,000	\$ 40,000	\$ -	\$ -	\$ -	\$ 80,000

Capital Costs Beyond 2029: None

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

GRANDVIEW WATER UTILITY - 411 (Potable and Fire)

EXTRAORDINARY PROJECT: GVF-M-2

PROJECT NAME: Grandview Fire System Decommissioning

STATUS: New

PROJECT LOCATION: District Facilities

PRIORITY: Medium

ESTIMATED START DATE: 2025

ESTIMATED COMPLETION DATE: 2026

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

In 2019, the District completed the Vista Road industrial water line project, which connected the 24" industrial water main at Aldergrove and Vista Roads with the fire water supply distribution system for the Grandview water utility. Industrial water provided via this new line will be a new source of fire water supply. The existing diesel engine driven pump and intake pumping facilities contained in a building next to the Grandview pond will no longer be required. The pond will no longer be a source of fire water supply.

Current Budget Projected Activities

In 2025, the District plans to surplus the diesel engine in the pond pump-out building and offer it for sale. The remainder of the equipment and pump house building will remain until a plan for disposing of the assets is developed and budget funds are available for the de-commissioning of the facilities.

Project Budget Estimate

Work to decommission Grandview Fire

\$ 100,000

Budget Estimate Total: \$ 100,000

PROJECT JUSTIFICATION/BENEFITS:

Must de-commission the diesel engine drive intake pumping facility at the Grandview pond, as the pond is no longer a viable source of water for the Grandview fire water supply system. The new source of water will be provided by the newly constructed Vista Road industrial water main. Diesel engine and associated equipment may be utilized by the District at a different location or surplus.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 25,000	\$ 75,000	\$ -	\$ -	\$ -	\$ 100,000
TOTAL CAPITAL COSTS	\$ 25,000	\$ 75,000	\$ -	\$ -	\$ -	\$ 100,000
REVENUE:						
Water Service Rates	\$ 25,000	\$ 75,000	\$ -	\$ -	\$ -	\$ 100,000
TOTAL REVENUE	\$ 25,000	\$ 75,000	\$ -	\$ -	\$ -	\$ 100,000

Capital Costs Beyond 2029: None.

WHATCOM PUD

2025 Capital Improvement Budget (CIP)

ELECTRIC UTILITY - 481

EXTRAORDINARY PROJECT: E-M-1

PROJECT NAME: Transmission Line Vegetation Management

STATUS: Existing

PROJECT LOCATION: District Transmission Line ROW

PRIORITY: High

ESTIMATED START DATE: On-Going

ESTIMATED COMPLETION DATE: On-Going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

To maintain reliability of electric service and to eliminate electrical safety hazards, the District, on an ongoing basis, manages vegetation within the 115 kV transmission line right of way. The transmission line ROW is 100 feet in width. Ongoing vegetation management involves removal of trees and shrubs and ongoing maintenance mowing activities.

Current Budget Projected Activities

In 2025, the District will contract for the removal of numerous trees, identified as a potential hazard to the 115 kV transmission facilities. In addition, smaller vegetation will be cut and the ground area mowed

Project Budget Estimate

Annual Vegetation Management: Contractor mowing & tree removal, as necessary \$ 125,000

Budget Estimate Total: \$ 125,000

PROJECT JUSTIFICATION/BENEFITS:

In order to assure reliable delivery of electric power to our customers and water plants, regular maintenance in the form of vegetation management within our electric transmission line corridors is essential. Further, the District has a regulatory obligation to maintain corridors and facilities in order to assure electric supply reliability.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
TOTAL CAPITAL COSTS	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
REVENUE:						
Electric Service Rates	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
TOTAL REVENUE	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000

Capital Costs Beyond 2029: On-going

WHATCOM PUD

2025 Capital Improvement Budget (CIP)

ELECTRIC UTILITY - 481

EXTRAORDINARY PROJECT: E-M-3

PROJECT NAME: Refinery Substation Maintenance

STATUS: On-going

PROJECT LOCATION: Refinery Substation

PRIORITY: Medium

ESTIMATED START DATE: On-going

ESTIMATED COMPLETION DATE: TBD

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new capital maintenance item added.

Current Budget Projected Activities

In 2025, the Refinery substation will be evaluated and testing performed. New equipment and devices will be installed or replaced as necessary.

Project Budget Estimate

Extensive Maintenance at Refinery Substation \$ 500,000

Budget Estimate Total: \$ 500,000

PROJECT JUSTIFICATION/BENEFITS:

To assure reliable operation of the District's three substations, Equipment testing, calibration and equipment replacement will be performed annually on a substation rotating basis. Frequency of testing and maintenance must meet regulatory requirements. Equipment replacement such as metering, relays, etc. will be undertaken as necessary and/or in the case of outdated, no longer supported devices.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
TOTAL CAPITAL COSTS	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
REVENUE:						
Electric Service Rates	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
Water Service Rates	-	-	-	-	-	-
TOTAL REVENUE	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000

Capital Costs Beyond 2029: TBD

WHATCOM PUD

2025 Capital Improvement Budget (CIP)

ELECTRIC UTILITY - 481

EXTRAORDINARY PROJECT: E-M-4

PROJECT NAME: Aerial Inspection of 115 kV transmission lines and substations

STATUS: On-going

PROJECT LOCATION: Electrical System

PRIORITY: Medium

ESTIMATED START DATE: 2024

ESTIMATED COMPLETION DATE: Annual/On-going

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new capital maintenance item added for 2024. Aerial inspections of the District's transmission lines and substations have been ongoing for several years.

Current Budget Projected Activities

The District will contract for aerial inspection services in 2025. The inspection will include the use of a drone with photo and video capability. The contractor will provide an inspection report, photos, and video. Problem areas to address will be identified. The information gained from the inspection and report will be used in developing the District's transmission corridor vegetation management work scope and maintenance and repairs needed for transmission lines, structures, and substation facilities. Corridor vegetation management work scope and maintenance and repairs needed for transmission lines, structures, and substation facilities.

Project Budget Estimate

Line and Substation Inspection	\$	200,000
5 year lidar inspection		80,000
Budget Estimate Total:		\$ 280,000

PROJECT JUSTIFICATION/BENEFITS:

The use of aerial surveys is faster, more accurate, and more cost effective than the utilization of ground crews. Also, the aerial surveys are safer than the use of personnel to do the same work. Annual inspections help the District identify and mitigate potential problems on a more timely basis. The surveys help the District maintain reliability of its electric system and meet regulatory requirements (FERC, NERC).

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 40,000	\$ 40,000	\$ 40,000	\$ 120,000	\$ 40,000	\$ 280,000
TOTAL CAPITAL COSTS	\$ 40,000	\$ 40,000	\$ 40,000	\$ 120,000	\$ 40,000	\$ 280,000
REVENUE:						
Electric Service Rates	\$ 40,000	\$ 40,000	\$ 40,000	\$ 120,000	\$ 40,000	\$ 280,000
TOTAL REVENUE	\$ 40,000	\$ 40,000	\$ 40,000	\$ 120,000	\$ 40,000	\$ 280,000

Capital Costs Beyond 2029: On-going

WHATCOM PUD 2025 Capital Improvement Budget (CIP)

ELECTRIC UTILITY - 481

EXTRAORDINARY PROJECT: E-M-5

PROJECT NAME: Enterprise Substation Maintenance

STATUS: On-going

PROJECT LOCATION: Enterprise Substation

PRIORITY: Medium

ESTIMATED START DATE: On-going

ESTIMATED COMPLETION DATE: TBD

PROJECT DESCRIPTION/SCOPE:

Prior Years Budget Activities

This is a new capital maintenance item added.

Current Budget Projected Activities

In 2025, the Enterprise substations will be evaluated and testing performed. New equipment and devices will be installed or replaced as necessary.

Project Budget Estimate

Extensive Maintenance at Enterprise Substation	\$ 300,000
Budget Estimate Total:	\$ 300,000

PROJECT JUSTIFICATION/BENEFITS:

To assure reliable operation of the District's three substations, Equipment testing, calibration and equipment replacement will be performed annually on a substation rotating basis. Frequency of testing and maintenance must meet regulatory requirements. Equipment replacement such as metering, relays, etc. will be undertaken as necessary and/or in the case of outdated, no longer supported devices.

PROPOSED BUDGET	2025	2026	2027	2028	2029	2025-2029 Total
CAPITAL COST:						
Direct Costs	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 300,000
TOTAL CAPITAL COSTS	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 300,000
REVENUE:						
Electric Service Rates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water Service Rates	100,000	100,000	100,000			300,000
TOTAL REVENUE	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 300,000

Capital Costs Beyond 2029: On-going

WHATCOM PUD
Industrial Water Utility
Rates and Revenue

Retail Unit Costs	2024	2025	% Change
Cherry Point			
Fixed Capital Charge (mgd)	\$11,000.00	\$17,000.00	54.5%
Fixed Operating Charge (mgd)	\$21,000.00	\$23,500.00	11.9%
Fixed Fire Charge	\$1,200.00	\$1,300.00	8.3%
Fixed Potable Charge	\$90.75	\$115.00	26.7%
Cherry Point Consumption Rate (mg)	\$465.28	\$488.37	5.0%
Irrigation (separate increase)			
Fixed Charge	\$655.25	\$699.00	5.1%
Consumption Charge (mg)	\$1,503.00	\$1,577.90	5.0%
Temporary (separate increase)			
Fixed Charge	\$315.00	\$335.00	6.3%
Consumption Charge (mg)	\$3,307.50	\$3,448.10	4.3%
Projected Sales	\$ 11,691,947	\$ 14,938,421	27.8%

Customer Revenues	MONTHLY FIXED CHARGES										Annual Total \$	2025 % Increase	
	EST USAGE (MG)	Q/O (MGD)	Q/C (MGD)	Q/O (MGD)	Fixed Capital	Fixed Operating	Fixed Fire	Fixed Potable	Monthly Fixed	Annual Fixed \$			Annual Consumption \$
Cherry Point													
ALCOA INTALCO	4.40	0.18	2.8	0	\$ 47,600	\$ 4,230	\$ -	\$ -	\$ 51,830	\$ 621,960	\$ 2,149	\$ 624,109	49.7%
BNVSF	-	0	0	0	-	-	1,387	-	1,387	15,643	-	16,643	15.6%
BP CHERRY POINT	2,616.00	12.6	23.6	12.6	401,200	296,100	-	-	697,300	8,367,600	1,277,567	9,645,167	28.5%
ALA ENERGY	10.60	0.03	0.05	0.03	850	705	-	-	1,555	18,660	5,177	23,837	24.9%
CHEMCO	0.22	0.01	0.02	0.01	340	235	-	-	575	6,900	107	7,007	33.2%
GATEWAY PACIFIC TERMINAL	-	0	0	0	-	-	-	-	-	-	-	-	0.0%
PHILLIPS 66	1,303.00	4	6	4	102,000	94,000	-	-	196,000	2,352,000	636,342	2,988,342	24.2%
CORNERSTONE COMMUNITY CHURCH	-	0	0	0	-	-	624	-	624	7,489	-	7,489	15.6%
PRAXAIR	10.65	0.07	0.14	0.07	2,390	1,645	-	139	4,164	49,970	5,201	55,171	30.8%
PSE WHITEHORN	3.30	0.04	0.29	0.04	4,930	940	-	-	5,870	70,440	1,612	72,052	44.4%
PSE FERNDALE GEN STN	502.00	2	2.7	2	45,900	47,000	-	-	92,900	1,114,800	245,160	1,359,960	24.3%
FREE RAIN FARMS	3.14	0.01	0.02	0.01	340	235	-	-	575	6,900	1,535	8,435	27.4%
GRANDVIEW	1.74	0.01	0.01	0.01	170	235	-	-	405	4,860	851	5,711	22.8%
IRRIGATION	62.38									22,368	98,423	120,791	5.0%
TEMPORARY	0.69									1,340	2,366	3,706	5.0%
Total	4,518.12									\$ 12,661,931	\$ 2,276,490	\$ 14,938,421	27.8%

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WHATCOM PUD
Industrial Water Utility
 2025 Other Rates and Revenue

		Rate as set by Commission	Rate Last Year
Excess Usage Fee		\$ 1,092.35 per af	\$ 884.87 per af
Excess Demand Fee		\$ 282,000.00 per mgd	\$ 252,000.00 per mgd
Minimum Charge for Customer Assistance		\$ 100.00	\$ 100.00
Minimum Reconnection Fee		\$ 500.00	\$ 500.00
Direct Charges:			
	Praxair potable	\$ 120.00	\$ 91.00
	Temporary Water Fixed	\$ 335.00	\$ 315.00
	Temporary Water Variable	\$ 3.45	\$ 3.31 per 1,000 g

WHATCOM PUD
GRANDVIEW UTILITY
 2025 Service Rates & Revenue

Account	Meter #	Company	Potable Meter Equivalent (ME) Used	Monthly Fixed Potable Meter Charge	Monthly Fixed Fire Charge	Annual Fixed Charges	Estimated Potable Usage (ccf)	Estimated Non-Potable Usage (ccf)	Annual Volume Revenue	Total Annual Revenue
				Fixed Potable Meter Charge	\$ 118.00	Per ME				
				Fixed Fire Charge	\$ 216.00	Per connection				
				Volume Potable Charge	\$ 25.29	Per ccf				
				Volume Non-Potable Charge	\$ 15.00	Per ccf				
02-0001	1	Kona Usa	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	29	0	\$ 726.83	\$ 4,734.83
02-0002	2	Crystal Creek Logistics	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	0	0	\$ -	\$ 4,008.00
02-0003	3	Crystal Creek Logistics	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	0	0	\$ -	\$ 4,008.00
02-0004	4	Crystal Creek Logistics	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	27	0	\$ 693.02	\$ 4,701.02
02-0005	5	MJ Marine Exhaust	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	3	0	\$ 77.75	\$ 4,085.75
02-0006	6	Perry Pallet	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	90	0	\$ 2,265.01	\$ 6,273.01
02-0007	7	Homefire Prest Logs	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	132	0	\$ 3,329.90	\$ 7,337.90
02-0008	8	Montigo Del Ray	1.67	\$ 197.06	\$ 216.00	\$ 4,956.72	57	0	\$ 1,436.76	\$ 6,393.48
02-0009	9	Silvastar Forest Products	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	4	0	\$ 101.42	\$ 4,109.42
02-0009	9.5	Silvastar Forest Products	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	124	0	\$ 3,127.06	\$ 7,135.06
02-0013	13	Western Refinery Svc	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	785	0	\$ 19,844.15	\$ 23,852.15
02-0013	13.5	Western Refinery Svc	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	18	0	\$ 456.38	\$ 4,464.38
02-0014	13.6	Western Refinery Svc	1.00	\$ 118.00	\$ -	\$ 1,416.00	875	0	\$ 22,126.06	\$ 23,542.06
02-0015	15	Management Services NW	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	104	0	\$ 2,619.97	\$ 6,627.97
02-0017	17	Nuova Distribution USA	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	97	0	\$ 2,450.94	\$ 6,458.94
02-0018	18	Co-Pac Properties	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	34	0	\$ 862.05	\$ 4,870.05
02-0022	22	Crystal Creek Logistics	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	3	0	\$ 74.37	\$ 4,082.37
02-0023	23	LGC US Asset Holdings, LLC	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	70	0	\$ 1,774.82	\$ 5,782.82
02-0029	29	Harken, Inc.	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	124	0	\$ 3,130.44	\$ 7,138.44
02-0030	30	Macron Metal USA	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	108	0	\$ 2,721.39	\$ 6,729.39
02-0033	33	Healthy Pet	3.33	\$ 392.94	\$ 216.00	\$ 7,307.28	97	0	\$ 2,450.94	\$ 9,758.22
02-0035	35	Alliance Door Products	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	5	0	\$ 138.60	\$ 4,146.60
02-0036	36	Sustainable Solutions	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	2	0	\$ 40.57	\$ 4,048.57
02-0038	38	Jansen & Jansen LLC	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	31	0	\$ 787.68	\$ 4,795.68
02-0039	39	Imco Construction	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	1	0	\$ 37.19	\$ 4,045.19
02-0040	40	Sahota, Dave	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	94	0	\$ 2,383.33	\$ 6,391.33
02-0041	41	Grandview Business Center	3.33	\$ 392.94	\$ 216.00	\$ 7,307.28	1,111	0	\$ 28,092.83	\$ 35,400.11
02-0042	42	Propack, Inc.	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	25	0	\$ 625.41	\$ 4,633.41
02-0044	44	Hughes/Lentz Family LLC	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	31	0	\$ 777.54	\$ 4,785.54
02-0045	45	Jensen Lee Properties	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	104	0	\$ 2,619.97	\$ 6,627.97
02-0046	46	PDC Rentals	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	8	0	\$ 209.60	\$ 4,217.60
02-0048	48	6819 Northgate Way LLC	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	19	0	\$ 480.05	\$ 4,488.05
02-0050	50	IMCO - Office	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	386	0	\$ 9,769.95	\$ 13,777.95
02-0051	51	IMCO - Shop	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	58	0	\$ 1,463.80	\$ 5,471.80
02-0052	52	Matia Contractors	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	128	0	\$ 3,228.48	\$ 7,236.48
02-0053	53	GV Lot 2 LLC	5.33	\$ 628.94	\$ 216.00	\$ 10,139.28	489	0	\$ 12,356.11	\$ 22,495.39
02-0054	54	GV Lot 2 LLC	2.30	\$ 271.40	\$ 216.00	\$ 5,848.80	188	0	\$ 4,749.75	\$ 10,598.55
02-0055	55	Border Safe Storage Solutions	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	53	0	\$ 1,335.34	\$ 5,343.34
02-0056	56	Delta Tech Industrial Park	0.00	\$ -	\$ 928.92	\$ 11,147.04	0	0	\$ -	\$ 11,147.04
02-0058	58	PES Holdings	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	153	0	\$ 3,871.80	\$ 7,879.80
02-0059	59	Method Homes	1.00	\$ 118.00	\$ 216.00	\$ 4,008.00	116	0	\$ 2,924.22	\$ 6,932.22
			50.96	\$ 6,013.28	\$ 9,352.92	\$ 184,394.40	5,780	0	\$ 146,161.47	\$ 330,555.87

ANY CUSTOMER SERVICE CALL-OUTS, INCLUDING DISCONNECTION AND RECONNECTION, MAY BE CHARGED A FEE OF \$75

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WHATCOM PUD
Electric Utility
2025 District Service Rates

RESULTS	PASS-THRU	ELECTRIC	WATER	TOTAL
Revenue Requirement	\$ 10,029,903	\$ 2,292,000	\$ 211,350	\$ 12,533,253
General Service Charge/month		\$ 191,000	\$ 17,612	\$ 208,612
Previous General Service/mo		\$ 190,000	\$ 9,875	\$ 199,875
% Revenue Change		1%	78%	4.4%

District Operating Expenses	
Labor & Benefits	\$ 1,272,537
Purchased Power	9,447,063
O&M Expenses	49,118
Extraordinary Maintenance	265,000
Admin Expenses	637,127
Taxes	696,212
Total District Operating Expenses	\$ 12,367,057
Debt Service	
2021 LTGO Bond Debt Service (P&I) - Refinance 2010B	130,530
2021 LTGO Bond Debt Service (P&I) - New money	338,200
Total District Debt Service	\$ 468,730
Capital Transfer	500,000
Less Miscellaneous Revenue	(62,189)
Partial Year Cash Adjustment	11,795
Increase (Decrease) of Operating Reserves	(752,140)
Revenue Requirement	\$ 12,533,253

WHATCOM PUD
Industrial Water Utility
Funding Strategies

Revenue Requirement - Fund 403	2025	2026	2027	2028	2029
Revenues @ Existing Rates					
Rate Revenues Under Existing Rates	\$ 11,573,378	\$ 11,573,378	\$ 11,573,378	\$ 11,573,378	\$ 11,573,378
Non-Rate Revenues	305,913	268,618	272,027	245,701	255,266
Total Revenues	\$ 11,879,291	\$ 11,841,996	\$ 11,845,405	\$ 11,819,079	\$ 11,828,644
Expenses					
Cash Operating Expenses	\$ 7,418,504	\$ 7,711,989	\$ 7,875,512	\$ 8,281,859	\$ 8,468,232
Existing Debt Service	1,538,902	1,537,118	1,533,329	1,536,634	1,537,729
New Debt Service	5,219,029	5,219,029	9,233,667	9,233,667	9,233,667
Rate Funded Capital	1,500,000	2,910,000	250,000	1,500,000	1,500,000
Total Expenses	\$ 15,676,435	\$ 17,378,136	\$ 18,892,508	\$ 20,552,160	\$ 20,739,628
Net Surplus (Deficiency)	\$ (3,796,845)	\$ (5,536,140)	\$ (7,047,103)	\$ (8,733,081)	\$ (8,910,984)
Additions to Meet Coverage	-	-	-	-	-
Total Surplus (Deficiency)	\$ (3,796,845)	\$ (5,536,140)	\$ (7,047,103)	\$ (8,733,081)	\$ (8,910,984)
Annual Rate Increase	28.00%	21.00%	21.00%	17.00%	17.00%
Cumulative Rate Increase	28.00%	54.68%	87.40%	119.26%	156.54%
Rate Revenues After Rate Increase	\$ 14,543,878	\$ 17,665,604	\$ 21,375,381	\$ 25,068,945	\$ 29,330,665
Incremental Rate Revenues (Compared with 2015)	\$ 2,970,500	\$ 6,092,226	\$ 9,802,003	\$ 13,495,567	\$ 17,757,288
Additional Taxes from Rate Increase	\$ 149,386	\$ 306,378	\$ 492,943	\$ 678,692	\$ 893,014
Net Cash Flow After Rate Increase	(977,732)	249,708	2,261,957	4,083,794	7,953,289
Coverage After Rate Increase: Revenue Bonds Only	n/a	n/a	n/a	n/a	n/a
Coverage After Rate Increase: All Debt	1.09	1.09	1.24	1.55	1.90
Revenues @ Increased Rates	\$ 14,846,751	\$ 17,934,222	\$ 21,647,408	\$ 25,314,646	\$ 29,585,932
Fund Balances - Fund 403					
OPERATING FUND					
Beginning Balance	\$ 4,050,952	\$ 2,731,975	\$ 2,632,251	\$ 1,593,083	\$ 1,664,811
plus: Net Cash Flow after Rate Increase	(977,732)	249,708	2,261,957	4,083,794	7,953,289
plus: Transfers In	-	-	-	-	-
less: Transfers Out	(2,000)	(2,000)	(2,955,956)	(3,695,203)	(7,577,720)
Ending Balance	\$ 3,114,220	\$ 2,979,683	\$ 1,938,252	\$ 2,011,674	\$ 2,040,381
Minimum Target Balance	\$ 1,509,904	\$ 1,666,203	\$ 1,593,083	\$ 1,664,811	\$ 1,695,448
CAPITAL FUND					
Beginning Balance	\$ 1,956,804	\$ 45,591,007	\$ 2,323,778	\$ 9,637,157	\$ 7,945,142
plus: Rate Funded Capital	1,500,000	2,910,000	250,000	1,500,000	1,500,000
plus: Transfers In	-	-	2,953,956	3,663,203	7,574,720
less: Transfers Out	-	-	-	-	-
plus: Capital Grants / Contributions / Other Expenses	352,000	27,276	-	-	-
plus: GFC Revenue Towards Capital	-	-	-	-	-
plus: Net Debt Proceeds	65,000,000	-	50,000,000	-	-
plus: Interest Earnings	76,917	1,473,211	88,660	322,688	268,544
less: Capital Expenditures	(23,294,714)	(47,677,717)	(45,979,236)	(7,177,906)	(13,586,839)
Ending Balance	\$ 45,591,007	\$ 2,323,778	\$ 9,637,157	\$ 7,945,142	\$ 3,701,586
Minimum Target Balance	\$ 1,116,922	\$ 1,832,497	\$ 2,522,185	\$ 2,629,854	\$ 2,833,656
EMERGENCY RESERVE					
Beginning Balance	\$ 216,000	\$ 218,000	\$ 220,000	\$ 222,000	\$ 224,000
plus: Transfers In	2,000	2,000	2,000	2,000	3,000
less: Transfers Out	-	-	-	-	-
Ending Balance	\$ 218,000	\$ 220,000	\$ 222,000	\$ 224,000	\$ 227,000
Minimum Target Balance	\$ -	\$ -	\$ -	\$ -	\$ -
DEBT RESERVE FUNDS					
Beginning Balance	\$ 446,844	\$ 446,844	\$ 446,844	\$ 446,844	\$ 446,844
plus: Reserve Funding from New Debt	-	-	-	-	-
less: Use of Reserves for Debt Service	-	-	-	-	-
Ending Balance	\$ 446,844	\$ 446,844	\$ 446,844	\$ 446,844	\$ 446,844
Minimum Target Balance	\$ -	\$ -	\$ -	\$ -	\$ -

Accounting DEBT AND RATE INCREASE UPDATE MODELING WPD to PWR.xls (primary) 6/19/16

WHATCOM PUD
Grandview Utility
Funding Strategies

Revenue Requirement - Fund 411	2024	2025	2026	2027	2028	2029
Revenues @ Existing Rates						
Rate Revenues Under Existing Rates	\$ 289,960	\$ 289,960	\$ 289,960	\$ 289,960	\$ 289,960	\$ 289,960
GFC Revenue Towards Debt Service	-	-	-	-	-	-
Non-Rate Revenues	2,297	3,455	2,734	1,481	1,499	1,551
Total Revenues	\$ 292,258	\$ 293,416	\$ 292,694	\$ 291,442	\$ 291,459	\$ 291,511
Expenses						
Cash Operating Expenses	\$ 133,387	\$ 203,687	\$ 208,440	\$ 210,746	\$ 223,574	\$ 226,239
Existing Debt Service	65,000	65,000	128,482	150,997	5,362	65,000
New Debt Service	-	-	-	-	-	-
Rate Funded Capital	15,000	30,000	60,000	30,000	36,000	40,000
Total Expenses	\$ 213,387	\$ 298,687	\$ 396,922	\$ 391,743	\$ 264,936	\$ 331,239
Net Surplus (Deficiency)	\$ 78,871	\$ (5,272)	\$ (104,227)	\$ (100,302)	\$ 26,524	\$ (39,727)
Additions to Meet Coverage	-	-	-	-	-	-
Total Surplus (Deficiency)	\$ 78,871	\$ (5,272)	\$ (104,227)	\$ (100,302)	\$ 26,524	\$ (39,727)
Annual Rate Increase	0.00%	14.00%	12.00%	12.00%	6.00%	6.00%
Cumulative Rate Increase	0.00%	14.00%	27.68%	43.00%	51.58%	60.68%
Rate Revenues After Rate Increase	\$ 289,960	\$ 327,172	\$ 366,916	\$ 410,946	\$ 437,454	\$ 463,701
Incremental Rate Revenues (Compared with 2015)	\$ -	\$ 37,212	\$ 76,956	\$ 120,985	\$ 147,493	\$ 173,741
Additional Taxes from Rate Increase	\$ -	\$ 1,871	\$ 3,870	\$ 6,084	\$ 7,417	\$ 8,737
Net Cash Flow After Rate Increase	78,871	30,068	(31,142)	14,599	166,599	125,276
Coverage After Rate Increase: Revenue Bonds Only	n/a	n/a	n/a	n/a	n/a	n/a
Coverage After Rate Increase: All Debt	0.75	0.60	0.74	0.93	3.26	3.66
Revenues @ Increased Rates	\$ 292,258	\$ 330,627	\$ 369,650	\$ 412,427	\$ 438,953	\$ 465,252
Fund Balances - Fund 411						
OPERATING FUND						
Beginning Balance	\$ 2,044	\$ 76,926	\$ 105,027	\$ 44,255	\$ 44,634	\$ 46,742
plus: Net Cash Flow after Rate Increase	78,871	30,068	(31,142)	14,599	166,599	125,276
plus: Transfers In	-	-	-	-	-	-
less: Transfers Out	(500)	(500)	(29,630)	(14,221)	(164,491)	(300)
Ending Balance	\$ 80,415	\$ 106,494	\$ 44,255	\$ 44,634	\$ 46,742	\$ 171,718
Minimum Target Balance	\$ 24,426	\$ 43,474	\$ 44,255	\$ 44,634	\$ 46,742	\$ 47,190
CAPITAL FUND						
Beginning Balance	\$ 289,995	\$ 283,511	\$ 147,239	\$ 172,269	\$ 205,626	\$ 395,730
plus: Rate Funded Capital	15,000	30,000	60,000	30,000	36,000	40,000
plus: Transfers In	-	-	28,130	13,721	163,991	-
less: Transfers Out	-	-	-	-	-	-
plus: Capital Grants / Contributions / Other Expenses	-	-	-	-	-	-
plus: GFC Revenue Towards Capital	-	-	-	-	-	-
plus: Net Debt Proceeds	-	-	-	-	-	-
plus: Interest Earnings	8,410	7,011	2,992	3,445	4,113	7,915
less: Capital Expenditures	(29,894)	(173,283)	(67,092)	(13,809)	(14,000)	(14,103)
Ending Balance	\$ 283,511	\$ 147,239	\$ 172,269	\$ 205,626	\$ 395,730	\$ 429,542
Minimum Target Balance	\$ 52,758	\$ 55,357	\$ 56,363	\$ 56,571	\$ 56,791	\$ 56,992
EMERGENCY RESERVE						
Beginning Balance	\$ 19,500	\$ 19,500	\$ 20,000	\$ 20,500	\$ 21,000	\$ 21,500
plus: Transfers In	500	500	500	500	500	300
less: Transfers Out	-	-	-	-	-	-
Ending Balance	\$ 19,500	\$ 20,000	\$ 20,500	\$ 21,000	\$ 21,500	\$ 21,800
Minimum Target Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DEBT RESERVE FUNDS						
Beginning Balance	\$ 130,491	\$ 67,025	\$ 2,367	\$ -	\$ -	\$ -
plus: Reserve Funding from New Debt	-	-	-	-	-	-
less: Use of Reserves for Debt Service	(63,466)	(64,658)	(65,849)	(85,997)	59,638	-
Ending Balance	\$ 67,025	\$ 2,367	\$ (63,482)	\$ (85,997)	\$ 59,638	\$ -
Minimum Target Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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WHATCOM PUD
Broadband Utility
Funding Strategies

Revenue Requirement - Fund 473	2024	2025	2026	2027	2028	2029
Revenues @ Existing Rates						
Rate Revenues Under Existing Rates	\$ -	\$ 92,400	\$ 184,800	\$ 243,936	\$ 243,936	\$ 243,936
Non-Rate Revenues	-	170	150	-	-	-
Total Revenues	\$ -	\$ 92,570	\$ 184,950	\$ 243,936	\$ 243,936	\$ 243,936
Expenses						
Cash Operating Expenses	\$ -	\$ 145,925	\$ 151,152	\$ 156,834	\$ 162,733	\$ 168,857
Existing Debt Service	-	-	-	-	-	-
New Debt Service	-	-	-	-	-	-
Rate Funded Capital	-	20,000	20,000	90,000	90,000	90,000
Total Expenses	\$ -	\$ 165,925	\$ 171,152	\$ 246,834	\$ 252,733	\$ 258,857
Net Surplus (Deficiency)	\$ -	\$ (73,355)	\$ 13,798	\$ (2,898)	\$ (8,797)	\$ (14,921)
Additions to Meet Coverage	-	-	-	-	-	-
Total Surplus (Deficiency)	\$ -	\$ (73,355)	\$ 13,798	\$ (2,898)	\$ (8,797)	\$ (14,921)
Annual Rate Increase	0.00%	4.00%	5.00%	5.00%	5.00%	5.00%
Cumulative Rate Increase	0.00%	4.00%	9.20%	14.66%	20.39%	26.41%
Rate Revenues After Rate Increase	\$ -	\$ 92,400	\$ 184,800	\$ 243,936	\$ 243,936	\$ 243,936
Incremental Rate Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Taxes from Rate Increase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Cash Flow After Rate Increase	-	(73,355)	13,798	(2,898)	(8,797)	(14,921)
Coverage After Rate Increase: Revenue Bonds Only	n/a	n/a	n/a	n/a	n/a	n/a
Coverage After Rate Increase: All Debt	n/a	n/a	n/a	n/a	n/a	n/a

Fund Balances - Fund 481	2024	2025	2026	2027	2028	2029
OPERATING FUND						
Beginning Balance	\$ -	\$ -	\$ -	\$ 13,798	\$ 10,901	\$ 2,104
plus: Net Cash Flow after Rate Increase	-	(73,355)	13,798	(2,898)	(8,797)	(14,921)
plus: Transfers In	-	-	-	-	-	-
less: Transfers Out	-	-	-	-	-	-
Ending Balance	\$ -	\$ (73,355)	\$ 13,798	\$ 10,901	\$ 2,104	\$ (12,817)
Minimum Target Balance	\$ -	\$ 28,952	\$ 29,847	\$ 30,781	\$ 31,751	\$ 32,757
CAPITAL FUND						
Beginning Balance	\$ -	\$ -	\$ 19,076	\$ 38,461	\$ 127,723	\$ 219,639
plus: Rate Funded Capital	-	20,000	20,000	90,000	90,000	90,000
plus: Transfers In	-	-	-	-	-	-
less: Transfers Out	-	-	-	-	-	-
plus: Capital Grants / Contributions / Other Expenses	302,255	3,425,000	154	-	-	-
plus: GFC Revenue Towards Capital	-	-	-	-	-	-
plus: Net Debt Proceeds	-	-	-	-	-	-
plus: Interest Earnings	-	-	286	577	1,916	3,295
less: Capital Expenditures	(302,255)	(3,425,924)	(1,056)	(1,314)	-	-
Ending Balance	\$ -	\$ 19,076	\$ 38,461	\$ 127,723	\$ 219,639	\$ 312,934
Minimum Target Balance	\$ 4,534	\$ 55,923	\$ 55,939	\$ 55,958	\$ 55,958	\$ 55,958
EMERGENCY RESERVE						
Beginning Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
plus: Transfers In	-	-	-	-	-	-
less: Transfers Out	-	-	-	-	-	-
Ending Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Minimum Target Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DEBT RESERVE FUNDS						
Beginning Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
plus: Reserve Funding from New Debt	-	-	-	-	-	-
less: Use of Reserves for Debt Service	-	-	-	-	-	-
Ending Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Minimum Target Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

WHATCOM PUD
Electric Utility
Funding Strategies

Revenue Requirement - Fund 481	2024	2025	2026	2027	2028	2029
Revenues @ Existing Rates						
Rate Revenues Under Existing Rates	\$ 11,175,084	\$ 12,533,253	\$ 12,959,280	\$ 13,400,548	\$ 14,537,544	\$ 15,031,559
Non-Rate Revenues	117,452	62,189	62,189	62,189	87,344	81,076
Total Revenues	\$ 11,292,535	\$ 12,595,441	\$ 13,021,448	\$ 13,462,736	\$ 14,624,889	\$ 15,112,635
Expenses						
Cash Operating Expenses	\$ 11,076,726	\$ 12,367,514	\$ 12,720,197	\$ 13,084,537	\$ 13,468,288	\$ 13,864,101
Existing Debt Service	470,478	468,730	471,614	468,403	470,898	467,804
New Debt Service	-	-	-	-	-	(204,060)
Rate Funded Capital	350,000	500,000	300,000	290,000	600,000	700,000
Total Expenses	\$ 11,897,204	\$ 13,336,244	\$ 13,491,811	\$ 13,842,941	\$ 14,539,186	\$ 14,827,845
Net Surplus (Deficiency)	\$ (604,668)	\$ (740,802)	\$ (470,363)	\$ (380,205)	\$ 85,703	\$ 284,791
Additions to Meet Coverage	-	-	-	-	-	-
Total Surplus (Deficiency)	\$ (604,668)	\$ (740,802)	\$ (470,363)	\$ (380,205)	\$ 85,703	\$ 284,791
Annual Rate Increase	0.00%	6.00%	5.00%	5.00%	5.00%	5.00%
Cumulative Rate Increase	0.00%	6.00%	11.30%	16.87%	22.71%	28.84%
Rate Revenues After Rate Increase	\$ 11,175,084	\$ 12,521,458	\$ 13,093,243	\$ 13,675,163	\$ 14,973,552	\$ 15,652,164
Incremental Rate Revenues	\$ -	\$ (11,795)	\$ 133,984	\$ 274,616	\$ 436,008	\$ 620,605
Additional Taxes from Rate Increase	\$ -	\$ (457)	\$ 5,190	\$ 10,637	\$ 16,888	\$ 24,039
Net Cash Flow After Rate Increase	(604,668)	(752,140)	(341,569)	(116,226)	504,822	881,357
Coverage After Rate Increase: Revenue Bonds Only	n/a	n/a	n/a	n/a	n/a	n/a
Coverage After Rate Increase: All Debt	0.62	0.62	1.07	1.54	3.52	4.13

Fund Balances - Fund 481	2024	2025	2026	2027	2028	2029
OPERATING FUND						
Beginning Balance	\$ 1,678,169	\$ 1,333,882	\$ 890,225	\$ 894,214	\$ 1,121,282	\$ 1,972,966
plus: Net Cash Flow after Rate Increase	(604,668)	(752,140)	(341,569)	(116,226)	504,822	881,357
plus: Transfers In	346,587	345,568	347,433	345,169	346,862	344,933
less: Transfers Out	(1,875)	(1,875)	(1,875)	(1,875)	-	-
Ending Balance	\$ 1,418,212	\$ 925,435	\$ 894,214	\$ 1,121,282	\$ 1,972,966	\$ 3,199,256
Minimum Target Balance	\$ 514,561	\$ 462,520	\$ 473,907	\$ 485,812	\$ 498,162	\$ 510,973
CAPITAL FUND						
Beginning Balance	\$ 3,771,440	\$ 3,783,893	\$ 3,651,023	\$ 3,840,745	\$ 4,031,540	\$ 4,455,719
plus: Rate Funded Capital	350,000	500,000	300,000	290,000	600,000	700,000
plus: Transfers In	-	-	-	-	-	-
less: Transfers Out	-	-	-	-	-	-
plus: Capital Grants / Contributions / Other Expenses	-	-	-	-	-	-
plus: GFC Revenue Towards Capital	-	-	-	-	-	-
plus: Net Debt Proceeds	-	-	-	-	-	-
plus: Interest Earnings	75,429	75,678	73,020	76,815	80,631	89,114
less: Capital Expenditures	(412,975)	(708,549)	(183,298)	(176,020)	(256,452)	(280,852)
Ending Balance	\$ 3,783,893	\$ 3,651,023	\$ 3,840,745	\$ 4,031,540	\$ 4,455,719	\$ 4,963,981
Minimum Target Balance	\$ 301,604	\$ 312,232	\$ 314,982	\$ 317,622	\$ 321,469	\$ 325,682
EMERGENCY RESERVE						
Beginning Balance	\$ 129,000	\$ 130,875	\$ 132,750	\$ 134,625	\$ 136,500	\$ 136,500
plus: Transfers In	1,875	1,875	1,875	1,875	-	-
less: Transfers Out	-	-	-	-	-	-
Ending Balance	\$ 130,875	\$ 132,750	\$ 134,625	\$ 136,500	\$ 136,500	\$ 136,500
Minimum Target Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DEBT RESERVE FUNDS						
Beginning Balance	\$ 62,316	\$ -	\$ -	\$ -	\$ -	\$ -
plus: Reserve Funding from New Debt	-	-	-	-	-	-
less: Use of Reserves for Debt Service	(62,316)	-	-	-	-	-
Ending Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Minimum Target Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

WHATCOM PUD
Combined Utility Funds
Cash Flow Forecast for 2025 Budget

	2024	2025	2026	2027	2028	2029
OPERATING FUND						
Beginning Balance	\$ 5,033,321	\$ 5,504,760	\$ 3,727,227	\$ 3,584,518	\$ 2,768,899	\$ 3,686,624
plus: Net Cash Flow after Rate Increase	650,848	(1,773,158)	(109,204)	2,157,433	4,746,418	8,945,001
less: Transfer to Emergency Reserve	(4,375)	(4,375)	(4,375)	(4,375)	(2,500)	(3,300)
less: Transfer to Telecom	(175,034)	-	-	-	-	-
less: Transfer of Surplus to Capital Fund	-	-	(29,130)	(2,967,676)	(3,827,194)	(7,574,720)
Ending Balance	\$ 5,504,760	\$ 3,727,227	\$ 3,584,518	\$ 2,789,899	\$ 3,686,624	\$ 5,853,605
CAPITAL FUND						
Beginning Balance	\$ 7,082,016	\$ 6,024,209	\$ 40,408,344	\$ 6,375,252	\$ 14,002,047	\$ 13,016,231
plus: Rate Funded Capital	2,855,000	2,050,000	3,290,000	660,000	2,226,000	2,330,000
plus: Transfer from Operating Fund	-	-	29,130	2,967,676	3,827,194	7,574,720
plus: Capital Grants / Contributions / Other Expenses	230,454	3,777,000	27,431	-	-	-
plus: GFC Revenue Towards Capital	-	-	-	-	-	-
plus: Revenue Bond Proceeds	-	-	-	-	-	-
plus: LTGO Bond Proceeds	-	65,000,000	-	50,000,000	-	-
plus: Interest Earnings	206,421	159,605	1,549,510	169,497	409,347	368,867
Total Funding Sources	\$ 10,383,890	\$ 77,010,814	\$ 54,304,415	\$ 60,172,425	\$ 20,464,588	\$ 23,634,751
less: Capital Expenditures	(4,359,682)	(27,602,470)	(47,929,163)	(48,170,379)	(7,448,357)	(13,881,795)
Ending Capital Fund Balance	\$ 6,024,209	\$ 49,408,344	\$ 6,375,252	\$ 14,002,047	\$ 13,016,231	\$ 9,752,956
EMERGENCY RESERVE						
Beginning Balance	\$ 362,000	\$ 366,375	\$ 370,750	\$ 375,125	\$ 379,500	\$ 382,000
plus: Transfer from Operating Fund	4,375	4,375	4,375	4,375	2,500	3,300
plus: Transfer from Capital Fund	-	-	-	-	-	-
less: Transfer to Operating Fund	-	-	-	-	-	-
less: Transfer to Capital Fund	-	-	-	-	-	-
Ending Balance	\$ 366,375	\$ 370,750	\$ 375,125	\$ 379,500	\$ 382,000	\$ 385,300
DEBT RESERVE FUNDS						
Beginning Balance	\$ 1,002,915	\$ 513,870	\$ 449,212	\$ 446,844	\$ 446,844	\$ 446,844
plus: Reserve Funding from New Debt	-	-	-	-	-	-
less: Use of Reserves for Debt Service	(489,046)	(64,658)	(65,849)	(85,997)	59,638	-
Ending Balance	\$ 513,870	\$ 449,212	\$ 383,363	\$ 360,847	\$ 506,482	\$ 446,844

WHATCOM PUD

Historical and ProForma Debt Service Coverage From 2025 Financial Forecast

	2024	2025	2026	2027	2028	2029
Revenue						
Water Utility Sales and Revenue	\$ 11,989,109	\$ 14,871,050	\$ 18,032,520	\$ 21,786,326	\$ 25,506,399	\$ 29,794,366
Electric Utility Sales and Revenue	11,175,084	12,521,458	13,093,243	13,675,163	14,973,552	15,652,164
Broadband Revenue		92,400	184,800	243,936	243,936	243,936
Other Revenue	459,274	371,727	333,691	335,697	334,544	337,894
Total Revenues	\$ 23,623,467	\$ 27,856,635	\$ 31,644,254	\$ 36,041,123	\$ 41,058,431	\$ 46,028,360
Expenses (1)						
Operations and Maintenance	\$ 12,593,132	\$ 13,827,574	\$ 14,202,978	\$ 14,612,580	\$ 15,074,759	\$ 15,552,305
Taxes (includes taxes passed through to customer)	1,313,515	1,605,224	1,605,183	1,799,188	1,992,290	2,214,839
Administration	4,088,004	4,827,588	5,110,102	5,171,860	5,448,857	5,487,167
Non-operating Expenses	-	-	-	-	-	-
Total Expenses	\$ 17,994,651	\$ 20,260,386	\$ 20,918,264	\$ 21,583,628	\$ 22,515,906	\$ 23,254,311
Income (Loss)	\$ 5,628,816	\$ 7,596,249	\$ 10,725,990	\$ 14,457,495	\$ 18,542,525	\$ 22,774,049
Balance Available for Debt Service	\$ 5,628,816	\$ 7,596,249	\$ 10,725,990	\$ 14,457,495	\$ 18,542,525	\$ 22,774,049
Parity Debt Service						
2016 LTGO Bonds	157,949	154,902	151,855	148,808	-	-
Less Assessment Income	(94,483)	(90,244)	(86,006)	(62,811)	(59,638)	-
Total Parity Debt Service	\$ 63,466	\$ 64,658	\$ 65,849	\$ 85,997	\$ (59,638)	\$ -
LTGO Debt Service						
2012 LTGO Bonds	\$ 425,580	\$ -	\$ -	\$ -	\$ -	\$ -
2013 LTGO Bonds	452,800	452,800	452,800	452,800	452,800	452,800
2021 LTGO Bonds	1,237,200	1,239,600	1,240,400	1,234,600	1,237,400	1,238,400
New Debt	-	5,219,029	5,219,029	9,233,667	9,233,667	9,233,667
Total Existing LTGO Debt Service	\$ 2,115,580	\$ 6,911,429	\$ 6,912,229	\$ 10,921,067	\$ 10,923,867	\$ 10,924,867
Other Debt Service						
EDI Loan	\$ 44,332	\$ 44,332	\$ 44,332	\$ 44,332	\$ 44,332	\$ 44,332
Total Other Debt Service	\$ 44,332	\$ 44,332	\$ 44,332	\$ 44,332	\$ 44,332	\$ 44,332
Balance Available for Other Purposes	\$ 3,405,437	\$ 575,829	\$ 3,703,580	\$ 3,406,098	\$ 7,633,963	\$ 11,804,849
Debt Service Coverage inc. other Water Utility Debt	2.53	1.08	1.53	1.31	1.70	2.08

(1) Excludes Depreciation, Amortization, and Interest Expense
Target 1.5 per RES 728, can have an off year to smooth rates