

2023 Draft Budget October Workshop

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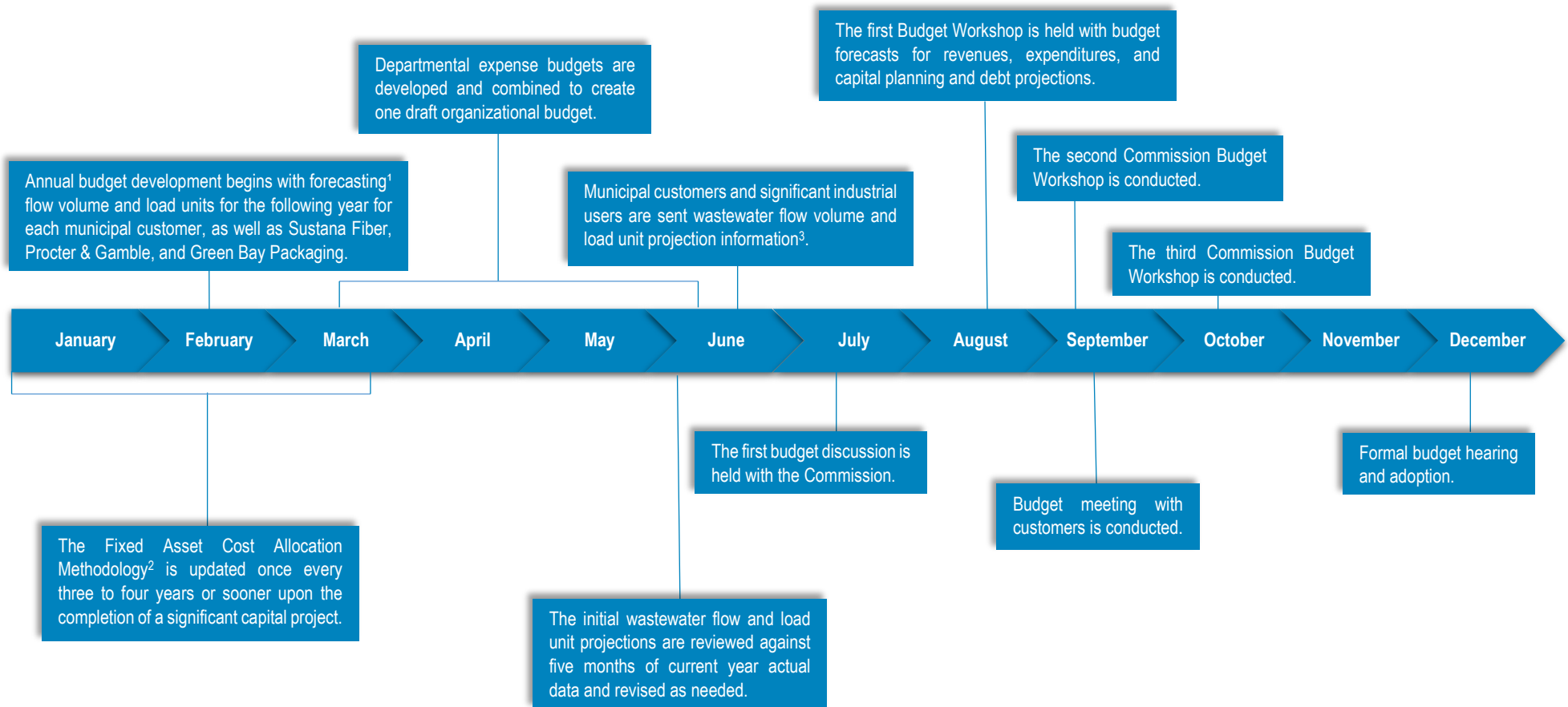


Thomas W. Sigmund, P.E.,
Executive Director
NEW Water

Message from the Executive Director

To be developed....

Budget Calendar



¹ The forecasting process utilizes historical data along with additional adjustments for sewer service area growth.

² The Fixed Asset Cost Allocation Methodology is performed by an external rate consultant, who allocates new and existing capital investments to wastewater parameters (Flow, Biochemical Oxygen Demand, Suspended Solids, Phosphorus, and Total Kjeldahl Nitrogen) based upon the intended treatment purpose.

³ The information is comprised of the most recent two to three years of actual annual wastewater units, as well as current and upcoming budgeted wastewater units.

Summary of Revenues & Expenses

The following Summary of Revenues and Expenses table provides an overview of the previous two budgets, year-end actual, and proposed budget. The table is comprised of revenue sources, expenses, and capital and debt service categories. The specific budget items contained within each category are defined in the [Summary of Revenues and Expenses Legend](#) on the next page.

The right side of the summary table compares the proposed budget to current budget dollar and percent variances for each revenue and expense category. The notes at the bottom of the page provide additional clarity to categories within the table.

		2021 Budget	2021 Actual	2022 Budget	% Of Overall Expenses	2023 Budget	% Of Overall Expenses	2023 Budget Favorable / (Unfavorable) Variance	% Variance
Revenues	Municipal User Fees ¹	\$37,015,457	\$38,809,200	\$39,149,604	86.3%	\$41,026,219	83.8%	\$1,876,614	4.8%
	Procter & Gamble (P&G) User Fees	1,368,614	1,527,493	1,393,752	3.1%	1,587,816	3.2%	194,064	13.9%
	Green Bay Packaging (GBP) User Fees	1,129,251	626,257	723,141	1.6%	1,037,544	2.1%	314,404	43.5%
	Mills Direct Allocation Charges (Year End)	187,262	214,369	215,716	0.5%	301,814	0.6%	86,098	39.9%
	P&G Capital Charges	1,275,798	1,275,798	1,316,979	2.9%	1,391,516	2.8%	74,537	5.7%
	GBP Capital Charges	853,947	853,947	821,353	1.8%	878,834	1.8%	57,481	7.0%
	General Reserve Interest	19,619	9,317	19,619	0.0%	29,126	0.1%	9,507	48.5%
	Other Revenues	1,469,191	1,378,950	1,374,110	3.0%	1,272,738	2.6%	(101,372)	-7.4%
		\$43,319,139	\$44,695,330	\$45,014,274	99.2%	\$47,525,607	97.1%	\$2,511,334	5.6%
	Debt and ICR Reserve Transfers	1,440,869	1,440,869	1,440,343	3.2%	1,440,669	2.9%	326	0.0%
	Contributions to and from Capital Reserve	(460,000)	(2,365,313)	(1,050,000)	-2.3%	-	0.0%	1,050,000	-100.0%
	General Reserve Interest Transfer	(19,619)	(9,317)	(19,619)	0.0%	(29,126)	-0.1%	(9,507)	-0.1%
		\$961,250	\$(933,760)	\$370,724	0.8%	\$1,411,543	2.9%	\$1,040,819	280.8%
	Total Revenues	\$44,280,388	\$43,761,570	\$45,384,997	100.0%	\$48,937,150	100.0%	\$3,552,154	7.8%
Expenses	Salaries & Benefits	\$11,841,659	\$11,132,220	\$12,087,372	26.6%	\$12,717,354	26.0%	\$(629,982)	-5.2%
	Power	1,764,594	1,782,881	1,693,501	3.7%	2,128,896	4.4%	(435,395)	-25.7%
	Contracted Services	3,627,408	3,332,255	3,795,717	8.4%	4,397,962	9.0%	(602,244)	-15.9%
	Maintenance & Repairs	2,153,598	2,603,489	1,503,490	3.3%	1,822,227	3.7%	(318,737)	-21.2%
	Chemicals	935,120	1,305,139	1,401,810	3.1%	1,428,925	2.9%	(27,115)	-1.9%
	Natural Gas & Fuel Oil	418,044	426,259	547,203	1.2%	608,301	1.2%	(61,098)	-11.2%
	Solid Waste Disposal	282,468	382,096	333,651	0.7%	439,379	0.9%	(105,728)	-31.7%
	Interceptor System ²	849,521	504,213	1,068,934	2.4%	737,411	1.5%	331,524	31.0%
	Administrative and Information Technology	717,666	692,980	779,775	1.7%	852,599	1.7%	(72,824)	-9.3%
	Insurance	346,936	385,373	428,130	0.9%	484,674	1.0%	(56,544)	-13.2%
	Supplies	228,890	226,080	236,182	0.5%	239,187	0.5%	(3,005)	-1.3%
	Employee Training & Development	159,079	76,804	156,733	0.3%	168,436	0.3%	(11,703)	-7.5%
	Travel and Meetings	56,998	11,036	92,864	0.2%	109,106	0.2%	(16,242)	-17.5%
	DNR Environmental Fees	138,750	141,087	146,184	0.3%	156,745	0.3%	(10,562)	-7.2%
	Total O&M Expenses	\$23,520,731	\$23,001,912	\$24,271,546	53.5%	\$26,291,201	53.7%	\$(2,019,655)	-8.3%
	Debt Service ³	\$17,649,657	\$17,649,657	\$16,623,452	36.6%	\$17,232,949	35.2%	\$(609,498)	-3.7%
	Annual Capital	\$3,110,000	\$3,110,000	\$4,490,000	9.9%	\$5,413,000	11.1%	\$(923,000)	-20.6%
	Total Debt Service & Annual Capital	\$20,759,657	\$20,759,657	\$21,113,452	46.5%	\$22,645,949	46.3%	\$(1,532,498)	-7.3%
	Total Expenses	\$44,280,388	\$43,761,570	\$45,384,997	100.0%	\$48,937,150	100.0%	\$(3,552,153)	-7.8%

¹ Municipal User Fees equal municipal customers plus Sustana Fiber.

² Interceptor System includes all expenses related to interceptors, meter and lift stations, including chemicals, power, phones, pretreatment program, and water.

³ Debt Service for 2023 budget is for 2024 Debt Payments.

Summary of Revenues & Expenses Legend

Revenues	Municipal User Fees	Municipal customer and Sustana Fiber Volume, Biochemical Oxygen Demand, Suspended Solids, Phosphorus, and Kjeldahl Nitrogen parameter revenue.
	Procter & Gamble (P&G) User Fees	P & G Volume, Biochemical Oxygen Demand, Suspended Solids, Phosphorus, and Kjeldahl Nitrogen parameter revenue.
	Green Bay Packaging (GBP) User Fees	GBP Volume, Biochemical Oxygen Demand, Suspended Solids, Phosphorus, and Kjeldahl Nitrogen parameter revenue.
	Mill Direct Charges	P&G and GBP Daily Sample Pickup and Laboratory Testing, Inspection, Monitoring, Dewatering, Operation & Maintenance, and Diggers Hotline.
	P&G Capital Charges	P&G Capital and Debt Service Charges.
	GBP Capital Charges	GBP Capital and Debt Service Charges.
	General Reserve Interest	Interest Income from General Fund Accounts (unrestricted funds) other than Investment Accounts.
	Other Revenues	Pretreatment Permit Fee and Charges, Grants, Hauled Waste, High Strength Hauled Waste, Sampling, Laboratory Analysis, Property Leases, and Interceptor Cost Recovery Temporary Leases.
	Debt and ICR Reserve Transfers	Identified debt obligation payments from Debt and ICR Reserves. Debt Transfer is Georgia Pacific obligation payment. ICR Debt Transfer includes payments for identified interceptor projects and customer prepayments for interceptor capacity.
	Plant Capital Replacement Reserve	Collection to or designated expenses allocated for future capital projects.
	General Reserve Interest Offset	Offset of Interest Income from General Fund Accounts (unrestricted funds) other than Investment Accounts.
Expenses	General Fund Transfers	Designated expenses allocated to be paid by this fund.
	Salaries & Benefits	Salaries, PTO/Vacation Payout, Health Benefits Opt-Out, Health, Dental, & Life Insurances, Overtime, Other Premium (Stand-By, Double Time and Call-in), Wisconsin Retirement, Social Security, Workers Compensation, Uniforms, Employee Referral Services, Long Term Disability and Wellness Program.
	Power	All Power for the treatment facilities not including power for meter and lift stations.
	Contracted Services	Contractor and Consultant Contracted Services, Legal and Audit Services, Custodial and Lawn Services, Occupational Health, Fire Protection and Detection, Household Hazardous Waste Station, Environmental Programs, Hazardous Waste Disposal, GBP Phosphorus Credits (TMDL Transfer and Reclaimed Water), Receiving Waters Planning and Monitoring, Recruitment, Class and Compensation, and Rate Study.
	Maintenance & Repairs	Repair and Maintenance Buildings and Equipment, Small Tools, Fuel for Vehicles and Boats, Freight In and Out, Water, Biogas Generator Oil, Equipment Leases and Rentals.
	Chemicals	Sodium Hypochlorite and Bisulfite, Polymer, Ferric Chloride, Activated Carbon, Chemical Boiler Water, Odor Removal Material, Sodium Hydroxide. Thermal Oil Make-Up and Laboratory Chemicals for the facilities.
	Natural Gas & Fuel Oil	Diesel for Generators, Fuel Oil for Process, Natural Gas for Process, Incineration, and Heating of Facilities and Incinerator Bed Material.
	Solid Waste Disposal	Material (grit, screenings, ash, and dewatered sludge) hauled to landfills.
	Interceptor System	Repair and Maintenance of Interceptors, Lift Stations, and Meter Stations; Pretreatment Program; Power for Meter and Lift Stations; Chemicals for Odor Control; Water; Telemetry Services; and Telephones.
	Administrative and Information Technology	Publishing, Postage, Data Processing, Employee Recognition, Public Information, Telephones, Safety Shoes and Glasses, Memberships and Dues, Publications and Subscriptions, Software Licenses and Maintenance Agreements, Permits, Meeting Expenses, Bank Service Charges, Bond Issuance Cost, Records Management, Community Outreach Partnership, and Education & Public Outreach.
	Insurances	Automobile, Property, Boiler and Machinery, Liability, Umbrella, Commercial Crime, Public Officials, Cyber, and Pollution.
	Supplies	Employee Security Badges, Safety & First Aid Equipment and Supplies, Small Computer Hardware and Software, Small Office Supplies, Cleaning/Janitorial Supplies, Building/Grounds Supplies, Shipping Supplies, etc.
	Employee Training & Development	Employee Development (Registration), Training, and Tuition.
	Travel & Meetings	Travel & Meetings, Lodging, Transportation, Meals, and Mileage.
	DNR Environmental Fees	Annual Environmental Statement Fees from the DNR, which includes: charges from NR101 discharge (includes a charge for all parameter pounds that have permit limits), Hazardous Waste Disposal Fees, Air Emission Fees, and Laboratory Certification Fee. Other Fees such as Tier 2 report fees (related to hazardous material management on site) and other license or permit application fees which may arise.
Debt Service & Annual Capital	Debt Service	Principal and Interest obligation payments incurred for Long Term Capital projects from Clean Water Fund Loans, General Obligation Bonds, and Promissory Notes to financial institutions.
	Annual Capital	Capital Improvements (maintenance equipment and interceptor repairs or replacements) funded with cash and/or reserve funds.



Revenues & Rates

Municipal, Total Mills, & Sustana Fiber Rate Comparison

The following table shows the Cost of Service (COS) parameter unit rates for Municipal Customers, Sustana Fiber (SF), Procter & Gamble (P&G) and Green Bay Packaging (GBP). All unit rates are based upon the most current Cost Allocation Methodology Report which distributes the fixed asset investments to unit parameters and the system users.

The Municipal Customer parameter unit rates are calculated to capture Municipal Only and Common to All operation and maintenance expenses, and 35% of total capital. The remaining 65% of total capital is collected through the Capital Charge from the Municipal Customers and SF.

The Total Mills wastewater parameter unit rates are calculated in accordance with the Tripartite Agreements with P&G and GBP, City of Green Bay, and NEW Water. The Total Mills wastewater parameter unit rates are comprised of Mill Only and Common to All operation and maintenance expenses. P&G and GBP share the Total Mills unit rates because they convey their wastewater through a dedicated mill interceptor pipe that discharges to the Green Bay Treatment Facility.

The SF wastewater parameter unit rates are calculated in accordance with an agreement executed with SF, City of De Pere, and NEW Water. The SF wastewater parameter unit rates are comprised of Municipal Only and Common to All operation and maintenance expenses, plus a portion of the 35% total capital. SF conveys its wastewater through a dedicated pressurized force main that discharges into the De Pere Treatment Facility.

Per agreements and the dedicated sewer pipes to the treatment facilities, GBP, P&G, and SF do not participate in identified O&M and capital expenses related to the municipal interceptor system. This along with how the capital charges are administered are the main reasons for the difference in parameter unit rates across the user groups.

Municipal Operation and Maintenance Rate Comparison					
Parameter	COS Title	Units	2022 COS Rate (SF Adjusted) ³	2023 COS Rate (SF Adjusted) ³	2023 Budget Comparison with 2022 Adopted Budget
Volume	FLOW	1,000 gallons	\$0.70624	\$0.73636	\$0.0301
Biochemical Oxygen Demand	BOD	lbs	\$0.31254	\$0.33215	\$0.0196
Suspended Solids	TSS	lbs	\$0.33888	\$0.37194	\$0.0331
Phosphorus	PHOS	lbs	\$1.91281	\$2.01432	\$0.1015
Total Kjeldahl Nitrogen	TKN	lbs	\$0.54775	\$0.58542	\$0.0377

Total Mills (P&G and GBP) Operation & Maintenance Rate Comparison ¹					
Parameter	COS Title	Units	2022 COS Rate	2023 COS Rate	2023 Budget Comparison with 2022 Adopted Budget
Volume	FLOW	1,000 gallons	\$0.46443	\$0.51301	\$0.0486
Biochemical Oxygen Demand	BOD	lbs	\$0.24250	\$0.26304	\$0.0205
Suspended Solids	TSS	lbs	\$0.24807	\$0.27556	\$0.0275
Phosphorus	PHOS	lbs	\$1.60909	\$1.66709	\$0.0580
Total Kjeldahl Nitrogen	TKN	lbs	\$0.47977	\$0.52870	\$0.0489

Sustana Fiber Operation & Maintenance Rate Comparison ²					
Parameter	COS Title	Units	2022 COS Rate (SF Adjusted) ³	2023 COS Rate (SF Adjusted) ³	2023 Budget Comparison with 2022 Adopted Budget
Volume	FLOW	1,000 gallons	\$0.48341	\$0.55334	\$0.0699
Biochemical Oxygen Demand	BOD	lbs	\$0.30142	\$0.31841	\$0.0170
Suspended Solids	TSS	lbs	\$0.32798	\$0.35810	\$0.0301
Phosphorus	PHOS	lbs	\$1.84073	\$1.92878	\$0.0881
Total Kjeldahl Nitrogen	TKN	lbs	\$0.52557	\$0.55885	\$0.0333

¹Capital Charges for P&G and GBP are billed separately.

²Capital Charge for Sustana Fiber to be billed separately by City of De Pere.

³SF Adjusted removes identified interceptor system costs from Sustana Fiber and assigns to Municipal

Flow & Load Projections

The following table shows the budgeted wastewater parameter units and the associated forecasted revenues for Flow (Volume), Biochemical Oxygen Demand (BOD), Total Suspended Solids (TSS), Phosphorus (P), and Total Kjeldahl Nitrogen (TKN) for each customer. The budgeted wastewater parameter units are forecasted for each customer utilizing historical data, adjusted for sewer service area growth, and input received from customers. The wastewater parameter revenue amounts for each customer are derived by multiplying the budgeted wastewater parameter units by the appropriate parameter unit rates found on the previous page. The Capital Charge amount is distributed proportional to each customer based upon their budgeted use of the system.

The Capital Charge for Procter & Gamble and Green Bay Packaging is calculated and collected differently. They are allocated an equitable portion of Mill Only and Common to All [Capital and Debt Service Costs](#), which are based upon their allocated parameter capacities within their Tripartite Agreement. The total capital amount due from each mill is invoiced annually and shown on the [Procter & Gamble Cost of Service](#) and the [Green Bay Packaging Cost of Service](#) pages.

	VOLUME		BOD		TSS		PHOS		TKN		Capital Charge	TOTAL AMOUNT
	1,000 Gallons	Amount	Lbs	Amount	Lbs	Amount	Lbs	Amount	Lbs	Amount	Amount	
City of Green Bay	5,500,000	\$4,049,998	8,600,000	\$2,856,458	9,100,000	\$3,384,690	210,000	\$423,006	1,300,000	\$761,051	\$6,346,314	\$17,821,517
City of De Pere	1,267,000	932,972	3,653,054	1,213,348	1,900,000	706,693	21,329	42,963	230,000	134,647	1,739,682	4,770,307
Sustana Fiber	261,904	144,923	1,730,184	550,911	883,310	316,317	28,880	55,703	133,883	74,820	795,806	1,938,480
Village of Allouez	750,000	552,272	905,100	300,626	1,000,974	372,306	22,000	44,315	159,912	93,616	711,292	2,074,427
Village of Ashwaubenon	1,464,000	1,078,036	2,770,627	920,253	2,535,856	943,196	70,896	142,807	332,288	194,529	1,855,339	5,134,161
Village of Bellevue	716,329	527,478	988,932	328,470	904,926	336,582	23,856	48,054	180,000	105,376	699,018	2,044,978
Village of Hobart	263,926	194,345	447,436	148,614	459,222	170,805	10,332	20,812	86,330	50,540	324,533	909,649
Village of Howard	866,415	637,996	916,025	304,254	1,862,102	692,598	22,577	45,477	279,440	163,591	1,042,264	2,886,180
Village of Luxemburg	169,419	124,754	39,936	13,265	36,000	13,390	3,072	6,188	16,392	9,596	52,678	219,870
Village of Pulaski	192,157	141,497	50,000	16,607	50,000	18,597	6,240	12,569	34,200	20,021	69,883	279,175
Village of Suamico	221,719	163,266	580,000	192,645	450,000	167,375	14,500	29,208	77,760	45,523	349,655	947,671
Town of Ledgeview Sanitary District #2	198,652	146,280	340,000	112,930	307,488	114,368	8,544	17,210	64,452	37,732	232,977	661,497
Town of Lawrence – Utility District	153,860	113,297	320,556	106,471	522,912	194,494	7,428	14,962	58,704	34,367	292,324	755,916
Pittsfield Sanitary District	14,446	10,638	20,592	6,840	23,346	8,683	504	1,015	3,834	2,245	16,030	45,450
Scott Municipal Utility	133,032	97,960	166,001	55,137	232,000	86,291	4,100	8,259	32,126	18,807	146,686	413,139
Dyckesville Sanitary District	31,837	23,444	60,266	20,017	68,326	25,413	1,475	2,971	11,221	6,569	45,387	123,801
Total Municipal	12,204,696	\$8,939,157	21,588,709	\$7,146,845	20,336,462	\$7,551,799	455,733	\$915,520	3,000,542	\$1,753,031	\$14,719,867	\$41,026,219
Procter & Gamble	1,657,785	\$850,464	580,236	\$152,623	2,050,044	\$564,906	1,650	\$2,751	32,292	\$17,073	\$ -	\$1,587,816
Green Bay Packaging	803,000	411,949	693,500	182,415	949,000	261,505	51,100	85,188	182,500	96,488	-	1,037,544
Total Mill	2,460,785	\$1,262,412	1,273,736	\$335,037	2,999,044	\$826,411	52,750	\$87,939	214,792	\$113,560	\$ -	\$2,625,360
Grand Total												
Units	14,665,481		22,862,445		23,335,506		508,483		3,215,334			
Costs		\$10,201,569		\$7,481,883		\$8,378,210		\$1,003,459		\$1,866,591	\$14,719,867	\$43,651,579

User Fees by Source

The following table shows the annual revenue comparison of the upcoming budget to previous year budget and previous year actuals for municipal customers, Sustana Fiber, Green Bay Packaging, and Procter & Gamble.

	2023 Budget	2022 Budget	2021 Actual	2020 Actual	2019 Actual
City of Green Bay	\$17,821,517	\$16,753,445	\$16,061,856	\$16,271,706	\$16,173,806
City of De Pere	4,770,307	4,525,551	5,438,484	5,321,349	5,381,128
Sustana Fiber	1,938,480	1,914,047	1,667,390	1,051,340	1,051,463
Village of Allouez	2,074,427	2,011,011	1,858,519	1,990,409	1,972,098
Village of Ashwaubenon	5,134,161	4,954,112	4,773,983	4,677,260	4,378,347
Village of Bellevue	2,044,978	2,013,254	1,959,208	1,868,570	1,870,357
Village of Hobart	909,649	896,173	772,121	794,472	673,865
Village of Howard	2,886,180	2,698,609	3,065,936	3,167,378	2,622,004
Village of Luxemburg	219,870	239,411	224,755	222,739	266,184
Village of Pulaski	279,175	287,945	275,053	273,357	311,435
Village of Suamico	947,671	979,273	999,688	925,607	841,333
Town of Ledgeview Sanitary District #2	661,497	598,711	539,863	563,773	525,757
Town of Lawrence – Utility District	755,916	716,048	640,123	623,258	575,608
Pittsfield Sanitary District	45,450	43,357	43,235	39,399	38,687
Scott Municipal Utility	413,139	402,069	380,055	387,056	393,271
Dyckesville Sanitary District	123,801	116,588	108,931	100,481	94,464
Total Municipal	\$41,026,219	\$39,149,604	\$38,809,200	\$38,278,154	\$37,169,807
Green Bay Packaging	\$1,037,544	\$723,141	\$626,257	\$60,454	\$0
Procter & Gamble	1,587,816	1,393,752	1,527,493	1,378,531	1,393,001
Total Mill	\$2,625,360	\$2,116,892	\$2,153,749	\$1,438,985	\$1,393,001
Total User Fees	\$43,651,579	\$41,266,497	\$40,962,950	\$39,717,139	\$38,562,808

Municipal Cost of Service

The following table shows the Municipal Cost of Service (COS) values used to develop the municipal parameter unit rates. The total Operating Cost is comprised of O&M expenses related to Municipal Only and Common to All system users. These costs are distributed to each parameter based upon the Cost Allocation Methodology Report. The report allocates new and existing capital investments to one of the five wastewater parameters (Flow, BOD, TSS, P, and TKN) based upon the intended treatment purpose to generate a percentage of investment for each parameter.

The Unit Operating and Capital Costs are derived by dividing the parameter dollar amounts into the total budgeted parameter units. The Operating and Capital Unit Costs are added together to get a Unit Combined Cost.

The Sustana Fiber (SF) Adjustment assigns certain system costs from SF Cost of Service to Municipal Cost of Service. This adjustment is required per the SF Agreement and Cost Allocation Methodology Report because SF does not utilize the municipal interceptor system.

The Capital Charge column shows the charge amount (65% of capital) to be collected from the municipal customers. The Capital Cost is comprised of the remaining 35% of capital and is distributed to each parameter based upon the same process described above for the Operating Costs.

The bottom of the page provides a brief historical overview of the Municipal Cost of Service unit rates.

	Total	VOLUME	BOD	TSS	PHOS	TKN	Capital Charge
Unit Value	1,000 gallons		lbs	lbs	lbs	lbs	N/A
Units	12,204,696		21,588,709	20,336,462	455,733	3,000,542	N/A
COST OF SERVICE							
Municipal							
Operating Cost	\$22,067,260	\$8,447,978	\$5,674,010	\$5,600,821	\$759,548	\$1,584,904	\$-
Pretreatment Cost Allocation	189,775	0	93,274	62,236	4,089	30,176	0
Capital Cost	18,769,184	491,179	1,379,561	1,888,742	151,883	137,951	14,719,867
Total Cost	\$41,026,219	\$8,939,157	\$7,146,845	\$7,551,799	\$915,520	\$1,753,031	\$14,719,867
Unit Operating Cost	\$0.69219		\$0.26714	\$0.27847	\$1.67562	\$0.53826	
Unit Capital Cost	\$0.04025		\$0.06390	\$0.09287	\$0.33327	\$0.04598	
Unit Combined Cost	\$0.73244		\$0.33105	\$0.37134	\$2.00890	\$0.58424	
Sustana Fiber Adjustment	\$0.00393		\$0.00110	\$0.00060	\$0.00542	\$0.00119	
Adjusted Unit Combined Cost	\$0.73636		\$0.33215	\$0.37194	\$2.01432	\$0.58542	

MUNICIPAL BUDGET RATE HISTORY					
YEAR	VOLUME	BOD	TSS	PHOS	TKN
2023	\$0.73636	\$0.33215	\$0.37194	\$2.01432	\$0.58542
2022	\$0.70624	\$0.31254	\$0.33888	\$1.91281	\$0.54775
2021	\$0.69630	\$0.31750	\$0.28332	\$0.71995	\$0.84000
2020	\$0.72007	\$0.33516	\$0.27929	\$0.71609	\$0.82425
2019	\$0.72428	\$0.29558	\$0.26732	\$0.44398	\$0.74148
2018	\$0.69897	\$0.35126	\$0.28304	\$0.75833	\$0.70556

Total Mills Cost of Service

The following table shows the Total Mills Cost of Service (COS) used to develop the parameter unit rates for Procter & Gamble (P&G) and Green Bay Packaging (GBP). P&G and GBP are charged the same unit parameter rates.

The Operating Cost are comprised of O&M expenses related to Mill Only and Common to All system users. The wastewater discharged from P&G and GBP enter a dedicated mill interceptor pipe that is not part of NEW Water's municipal interceptor system. As such, P&G and GBP participate in operating and capital costs for the capital investments they utilize, which results in different unit parameter rates than the Municipal Customer unit parameter rates.

The Capital Charge collected from P&G and GBP is related to the allocated parameter capacity per their Tripartite Agreements. P&G and GBP pay for their allocated capacity whether they use it or not, and the amount is collected annually through lump sum invoices.

The Direct Charges are labor and O&M expenses related to the dedicated mill interceptor, as well as wastewater sample collection and analysis costs paid monthly by the mills. The Credits are issued to GBP are defined in GBP's Tripartite Agreement and associated with TMDL waste load allocation transfer and pollutants returned to GBP in the reclaimed water.

	Total	VOLUME	BOD	TSS	PHOS	TKN	Capital Charge	Direct Charges
Unit Value		1,000 gallons	lbs	lbs	lbs	lbs	N/A	N/A
Units		2,460,785	1,273,736	2,999,044	52,750	214,792	N/A	N/A
Cost of Service								
Operating Cost	\$2,625,360	\$1,262,412	\$335,037	\$826,411	\$87,939	\$113,560	\$0	0
Capital Charge	2,270,350	0	0	0	0	0	2,270,350	0
Direct Charges	245,223	0	0	0	0	0	0	245,223
Credits	(252,939)	0	0	0	0	0	0	(252,939)
Total Cost	\$4,887,995	\$1,262,412	\$335,037	\$826,411	\$87,939	\$113,560	\$2,270,350	(\$7,715)
Unit Cost		\$0.51301	\$0.26304	\$0.27556	\$1.66709	\$0.52870		

TOTAL MILLS BUDGET RATE HISTORY					
YEAR	VOLUME	BOD	TSS	PHOS	TKN
2023	\$0.51301	\$0.26304	\$0.27556	\$1.66709	\$0.52870
2022	\$0.46443	\$0.24250	\$0.24807	\$1.60909	\$0.47977
2021	\$0.52942	\$0.24470	\$0.20904	\$0.55710	\$0.75739

Procter & Gamble Cost of Service

The following table shows Procter & Gamble's (P&G) Cost of Service, which is a portion of the [Total Mill Cost of Service](#) units and revenues from the previous page. The budgeted unit parameter revenue is derived by multiplying the budgeted parameter units by the Total Mill unit rates.

The Capital Charge allocated to P&G is based upon its allocated capacities identified in the recent version of the P&G Tripartite Agreement. The capacities are a key component of the Cost Allocation Methodology Report and are applied to NEW Water's capital investments identified for Common to All and Mill Only system users. The capital cost is collected from P&G through an annual lump sum invoice.

The Direct Charges budgeted to P&G are related to O&M labor and expense costs associated with the mill interceptor, the meter/sample station, and laboratory costs for wastewater sample analysis.

	Total	VOLUME	BOD	TSS	PHOS	TKN	Capital Charge ¹	Direct Charges
Unit Value		1,000 gallons	lbs	lbs	lbs	lbs	N/A	N/A
Units		1,657,785	580,236	2,050,044	1,650	32,292	N/A	N/A
Cost of Service								
Operating Cost	\$1,587,816	\$850,464	\$152,623	\$564,906	\$2,751	\$17,073	\$0	0
Capital Charge	1,391,516	0	0	0	0	0	1,391,516	0
Direct Charges	72,991	0	0	0	0	0	0	72,991
Total Cost	\$3,052,323	\$850,464	\$152,623	\$564,906	\$2,751	\$17,073	\$1,391,516	\$72,991
Unit Cost		\$0.51301	\$0.26304	\$0.27556	\$1.66709	\$0.52870		

PROCTER & GAMBLE BUDGET RATE HISTORY					
YEAR	VOLUME	BOD	TSS	PHOS	TKN
2023	\$0.51301	\$0.26304	\$0.27556	\$1.66709	\$0.52870
2022	\$0.46443	\$0.24250	\$0.24807	\$1.60909	\$0.47977
2021	\$0.52942	\$0.24470	\$0.20904	\$0.55710	\$0.75739
2020	\$0.56266	\$0.25891	\$0.20401	\$0.56941	\$0.74910
2019	\$0.58964	\$0.23376	\$0.20216	\$0.29866	\$0.67460
2018	\$0.58847	\$0.28878	\$0.22148	\$0.69239	\$0.64105

¹ Capital Charges invoiced annually.

Green Bay Packaging Cost of Service

The following table shows Green Bay Packaging's (GBP) Cost of Service, which is a portion of the [Total Mill Cost of Service](#) units and revenues from the previous page. The budgeted unit parameter revenue is derived by multiplying the budgeted parameter units by the Total Mill unit rates.

The Capital Charge allocated to GBP is based upon its allocated capacities identified in the GBP Tripartite Agreement. The capacities are a key component of the Cost Allocation Methodology Report and are applied to NEW Water's capital investments identified for Common to All and Mill Only users. The capital cost is collected from GBP through an annual lump sum invoice.

The Direct Charge budgeted to GBP are related to O&M labor and expense costs associated with the mill interceptor, the meter/sample station, laboratory costs for wastewater sample analysis and the reclaimed water system.

The Credits budgeted to GBP are defined in GBP's Tripartite Agreement and associated with TMDL waste load allocation transfer and pollutants returned to GBP in the reclaimed water.

	Total	VOLUME	BOD	TSS	PHOS	TKN	Capital Charge ¹	Direct Charges
Unit Value		1,000 gallons	lbs	lbs	lbs	lbs	N/A	N/A
Units		803,000	693,500	949,000	51,100	182,500	N/A	N/A
Cost of Service								
Operating Cost	\$1,037,544	\$411,949	\$182,415	\$261,505	\$85,188	\$96,488	\$0	0
Capital Charge	\$878,834	0	0	0	0	0	878,834	0
Direct Charges	\$172,232	0	0	0	0	0	0	172,232
Credits	(\$252,939)	0	0	0	0	0	0	(252,939)
Total Cost	\$1,835,672	\$411,949	\$182,415	\$261,505	\$85,188	\$96,488	\$878,834	(\$80,707)
Unit Cost		\$0.51301	\$0.26304	\$0.27556	\$1.66709	\$0.52870		

GREEN BAY PACKAGING BUDGET RATE HISTORY					
YEAR	VOLUME	BOD	TSS	PHOS	TKN
2023	\$0.51301	\$0.26304	\$0.27556	\$1.66709	\$0.52870
2022	\$0.46443	\$0.24250	\$0.24807	\$1.60909	\$0.47977
2021	\$0.52942	\$0.24470	\$0.20904	\$0.55710	\$0.75739

¹ Capital Charges invoiced annually

Sustana Fiber Cost of Service

The following table shows Sustana Fiber's (SF) Cost of Service. The budgeted unit parameter revenue is derived by multiplying the budgeted parameter units by the SF unit rates.

The Capital Cost is collected through the Capital Charge, which is the same process used for the municipal customers. The Capital Charge amount collected from SF is based upon its budgeted use of the system.

The Direct Charges budgeted to SF are related to O&M labor and expenses associated with its dedicated force main from the SF facility to the De Pere Treatment Facility, as well as sample collection and laboratory analysis expenses.

The Less SF Adjustment removes identified interceptor system costs from SF and assigns them to Municipal Cost of Service.

The bottom of the page shows a historical overview of the SF Cost of Service unit rates.

	Total	VOLUME	BOD	TSS	PHOS	TKN	Capital Charge ¹	Direct Charges
Unit Value	1,000 gallons	lbs	lbs	lbs	lbs	lbs	N/A	
Units	261,904	1,730,184	883,310	28,880	133,883	-	-	-
Cost of Service								
Operating Cost	\$998,141	\$181,288	\$454,732	\$243,270	\$48,133	\$70,718	\$-	\$-
Pretreatment Cost Allocation	11,784	-	7,475	2,703	259	1,346	-	-
Capital Cost	1,014,726	10,540	110,562	82,037	9,625	6,155	795,806	-
Subtotal Cost of Service	\$2,024,651	\$191,828	\$572,770	\$328,011	\$58,017	\$78,220	\$795,806	\$-
Direct Charges	56,591	-	-	-	-	-	-	56,591
Less SF Adjustment	(86,171)	(46,905)	(21,859)	(11,694)	(2,314)	(3,399)	-	-
Total Cost	\$1,995,071	\$144,923	\$550,911	\$316,317	\$55,703	\$74,820	\$795,806	\$56,591
Unit Cost		\$0.73244	\$0.33105	\$0.37134	\$2.00890	\$0.58424		
Unit Capital Cost		(0.17909)	(0.01263)	(0.01324)	(0.08011)	(0.02539)		
Unit Combined Cost (with SF Adjustment)		\$0.55334	\$0.31841	\$0.35810	\$1.92878	\$0.55885		

SUSTANA FIBER BUDGET RATE HISTORY					
YEAR	VOLUME	BOD	TSS	PHOS	TKN
2023	\$0.55334	\$0.31841	\$0.35810	\$1.92878	\$0.55885
2022	\$0.48341	\$0.30142	\$0.32798	\$1.84073	\$0.52557
2021	\$0.53014	\$0.30621	\$0.27388	\$0.69436	\$0.80404
2020	\$0.53989	\$0.32250	\$0.26953	\$0.68817	\$0.78674
2019	\$0.48322	\$0.28558	\$0.25893	\$0.43155	\$0.71272
2018	\$0.44504	\$0.33742	\$0.27266	\$0.72553	\$0.67474

¹ The Capital Charge for Sustana Fiber to be billed separately by the City of De Pere.



Debt Service & O&M Expenses

Allocation of Capital and Debt Service Costs

The following tables show the Allocation of Capital and Debt Service Costs for Municipal Only and Common to All users. The Common to All Debt Service costs are assigned to Municipal Customers, Sustana Fiber (SF), Green Bay Packaging (GBP), and Procter & Gamble (P&G). GBP and P&G are allocated capital and debt costs based upon their permanent capacity allocations per their Tripartite Agreements and the recent version of the Cost Allocation Methodology Report. Per the agreements and the report, GBP and P&G do not participate in capital and debt costs associated with the municipal interceptor system.

The Debt Service Offsets section shows customers that have prepaid their debt service obligations, along with other identified debt service obligation payments from NEW Water financial reserves. The prepayments and identified debt obligations are held within NEW Water's financial reserves and are applied annually to offset the amount NEW Water needs to collect for its required debt obligations payments.

The Annual Capital Outlays section is the sum of the [annual capital projects](#). NEW Water collects these funds through the Cost of Service parameter unit rates for capital improvements funded with cash and not through debt.

The Revenues and Transfers section lists the interest revenue anticipated on NEW Water's General Reserve and miscellaneous revenues NEW Water collects for various professional services rendered and land leases. Contribution to Capital Reserves shows the budgeted amount to be collected and transferred to the Plant Capital Replacement Reserve for future capital projects that are Common to All system users.

The bottom of the page shows the total debt service required and the portions that are to be collected from the municipal customers and the two paper mills. The capital debt from both mills will match the debt service payment on [P&G's](#) and [GBP's](#) COS pages.

Allocation of Capital and Debt Service Costs
(Continued...)

Debt Service – Municipal Only				
Capital Project Description	Allocations¹			
	FY2023	Municipal	Green Bay Packaging	P&G
4198-29 Phase 2 Interceptor Rehabilitation	216,011	216,011	0	0
4198-45 DPF East Service Area Interceptor Rehabilitation	186,632	186,632	0	0
4198-21 East Tower Drive Interceptor	182,631	182,631	0	0
ERI, FRC, EFR Interceptor Rehabilitation	76,860	76,860	0	0
East River Lift Station - Redundancy & Rehabilitation	19,440	19,440	0	0
East Bayshore Lift Stations - Rehabilitation	31,500	31,500	0	0
Other General Obligation Debt				
2008 General Obligation – Re-issued March 2018	480,603	480,603	0	0
Total Debt Service – Municipal Only	\$1,193,677	\$1,193,677	\$0	\$0

Debt Service – Common to All				
Capital Project Description	Allocations¹			
	FY2023	Municipal	Green Bay Packaging	P&G
4198-24 GBF Electrical Generation Facility	208,083	186,289	8,855	12,939
4198-25 GBF RAS/WAS Improvements	662,206	592,849	28,179	41,178
4198-27 Solids Process Improvement	352,148	315,266	14,985	21,898
4198-32 GBF Administration & Maintenance Building HVAC Replacement	206,212	184,614	8,775	12,823
4198-35 Solids, Ferric Chloride, Gate Replacement, Bar Screens, M&C WAS	300,280	268,829	12,778	18,672
4198-37 Consolidation/Conveyance/Chemical Feed Building	879,873	787,718	37,442	54,713
4198-44 GBF R2E2 Solids Management	980,314	868,650	39,174	72,490
4198-52 GBF Disinfection Project	112,926	101,099	4,805	7,022
4198-99 GBF Solids Management Plan/R2E2 - Construction	8,499,498	7,531,352	339,644	628,503
4198-48 DPF Replacement UV Disinfection System Equipment	270,759	242,401	11,522	16,837
4198-53 DPF Substation & Emergency Generator (2019 Budget)	850,430	761,359	36,189	52,882
4198-63 DPF - Tertiary Filter Replacement	645,271	577,687	27,459	40,125
DPF: Metro Pumping & Headworks Improvements	114,188	102,228	4,859	7,101
GBF: Thickening Improvements	255,150	228,426	10,858	15,866
GBF: North Plant Clarifiers Rehabilitation	538,650	482,234	22,921	33,495
Other General Obligation Debt				
2008 General Obligation – Re-issued March 2018	280,447	251,074	11,934	17,439
Dec. 2007 Promissory Note to City of De Pere	160,485	143,676	6,829	9,979
GBF Solids Management Plan – Design	722,354	640,073	28,866	53,415
Total Debt Service – Common to All	\$16,039,273	\$14,265,823	\$656,073	\$1,117,377

Allocation of Capital and Debt Service Costs
(Continued...)

Debt Service Offsets				
Debt Offset Description	Allocations ¹			
	FY2023	Municipal	Green Bay Packaging	P&G
Mill Capital Charges – former Georgia-Pacific obligation	(374,792)	(374,792)	0	0
4198-45 De Pere Eastside Interceptor Rehabilitation	(120,071)	(120,071)	0	0
4198-29 City of De Pere Rehabilitation Interceptor Ashwaubenon Creek Payment	(53,472)	(53,472)	0	0
Town of Lawrence Interceptors Payment (9 th St Seg 5 Ext, Ash Creek 2,3,4,6,7, and Ash Interceptor 2,3,& 4)	(197,077)	(197,077)	0	0
Scott Municipal Utility (Royal Scott Sanitary District #1) Interceptor Payment	(8,902)	(8,902)	0	0
Balance of Debt Payments Funded from ICR Reserve	(686,355)	(686,355)	0	0
Total Debt Service Offsets	(\$1,440,669)	(\$1,440,669)	\$0	\$0
Total Debt Service	\$15,792,281	\$14,018,831	\$656,073	\$1,117,377

Annual Capital Outlay				
Annual Capital Description	Allocations ¹			
	FY2023	Municipal	Green Bay Packaging	P&G
2023 Requests – Allocated to All	5,313,000	4,801,791	228,575	282,634
2023 Requests – Allocated to Municipal Only	100,000	100,000	0	0
Total Annual Capital Outlay	\$5,413,000	\$4,901,791	\$228,575	\$282,634
Total Annual Capital, Debt Service, and Capital Reserves	\$21,205,281	\$18,920,621	\$884,648	\$1,400,011

Revenues & Transfers				
Debt Offset Description	Allocations ¹			
	FY2023	Municipal	Green Bay Packaging	P&G
General Reserve Interest Offset	(\$29,126)	(\$29,126)	\$0	\$0
Miscellaneous Revenue Offset ²	(\$136,621)	(\$122,312)	(\$5,814)	(\$8,496)
Total Non-Rate Revenues (Capital-Related)	(\$165,747)	(\$151,438)	(\$5,814)	(\$8,496)
Contribution to Capital Reserve	0	0	0	0
Net Annual Capital, Debt Service, and Operating Fund Capital Reserve³	\$21,039,534	\$18,769,184	\$878,834	\$1,391,516

¹ Based on Revised Cost of Service Allocations from Raftelis Financial Consultants dated May 4, 2022.

² Miscellaneous Revenues are sampling & lab analysis from City of De Pere, Village of Ashwaubenon; and lease payments from Green Bay Yachting Club, US Venture, and temporary interceptor leases.

³ Total Debt Collected in 2023 Budget is for 2024 debt obligation payments. Metropolitan Sewerage Districts are permitted to abate taxation by having sufficient funds available in designated debt service fund to pay their debt obligation payments for the following year. Metropolitan Sewerage Subchapter I 200.13(2).(5) permits Sewerage Districts to levy a tax upon property for its performance of duties.

Summary of Debt Service Schedule

The following table is a summary of existing and future capital projects that are or will be financed through the Wisconsin Clean Water Fund Program, General Obligation Sewerage Bonds or other loan instruments. The summary includes a brief description of Green Bay Facility (GBF), De Pere Facility (DPF) and Interceptor capital projects, the original loan amount, the required debt service payment to be collected for payment in the subsequent year, loan start date, and the last payment date.

The top of the table lists existing debt while the bottom of the table lists information for new debt.

The bottom of the page lists new plant and interceptor major capital projects, the estimated construction amount, and anticipated loan start date.

Issue	Description	Original Amount	2023 Budget for 2024 Debt Payments	Loan Date	Last Payment
4198-27	Solids Process Improvement	5,347,693	352,148	12/8/2004	May 2024
4198-21	East Tower Drive Interceptor	2,761,526	182,631	4/13/2005	May 2024
Dec. 2007	Promissory Note to City of De Pere	2,000,000	160,485	12/28/2007	Dec 2027
Sept. 2008	2008 General Obligation – Sewerage System Improvement Bond Re Issue 03/2018	6,505,000	761,050	3/15/2028	May 2028
4198-25	RAS/WAS Improvements	10,460,782	662,206	3/19/2018	May 2028
4198-35	Combined Treatment Facilities Projects	4,211,341	300,280	12/9/2009	May 2029
4198-37	Consolidation/Conveyance Project	12,821,922	879,873	12/9/2009	May 2029
4198-29	Phase Two Interceptor Rehabilitation	3,421,382	216,011	11/10/2010	May 2030
4198-24	Electrical Generator Project	3,246,148	208,083	12/22/2010	May 2030
4198-32	GBF Administration & Maintenance Building HVAC Replacement	3,133,312	206,212	4/10/2013	May 2032
July 2013	Green Bay Facility Solids Management Plan – Design	20,000,000	722,354	8/20/2013	May 2038
4198-45	De Pere Facility East Service Area Interceptor Rehabilitation	3,146,593	186,632	12/12/2012	May 2032
4198-48	DPF Disinfection System Upgrade	4,272,020	270,759	1/8/2014	May 2033
4198-44	GBF Solids Management Plan Construction (R2E2)	15,209,242	980,314	8/13/2014	May 2034
4198-52	GBF Disinfection System Upgrade	1,850,000	112,926	12/23/2015	May 2035
4198-53	DPF Substation & Emergency Generator	14,630,180	850,430	6/30/2019	May 2039
4198-63	DPF - Tertiary Filter Replacement	9,487,118	645,271	11/10/2021	May 2040
4198-99	GBF Solids Management Plan Construction (R2E2)	138,880,269	8,499,498	10/14/2015	May 2035
Total Existing Debt		\$261,384,528	\$16,197,162		
MAJOR CAPITAL: PLANT					
(New) ¹	DPF: Metro Pumping & Headworks Improvements	26,250,000	114,188	2/28/2024	May 2043
(New) ¹	GBF: Thickening Improvements	17,705,000	255,150	1/1/2023	May 2042
(New) ¹	GBF: North Plant Clarifiers Rehabilitation	43,445,000	538,650	3/1/2023	May 2042
MAJOR CAPITAL: INTERCEPTORS					
(New) ¹	ERI, FRC, EFR Interceptor Rehabilitation	9,200,000	76,860	2/1/2024	May 2043
(New) ¹	East River Lift Station - Redundancy & Rehabilitation	2,000,000	19,440	11/1/2023	May 2042
(New) ¹	East Bayshore Lift Stations - Rehabilitation	3,400,000	31,500	9/1/2023	May 2042
Total New Debt		\$102,000,000	\$1,035,788		
Grand Total with New Debt		\$363,384,528	\$17,232,949		

¹ Interest Only Payment which is calculated based on loan draws per the Capital Improvement Plan (CIP).

Allocation of Operation & Maintenance Costs

The following tables show the budgeted operation and maintenance expenses allocated to “Common to All”, “Municipal Only” and “Mill Only” users. The assignment of these expenses is in conformance with the Tripartite Agreements with Procter & Gamble and Green bay Packaging, and the most recent Cost Allocation Methodology report.

Item	Total	Common to All ¹					Municipal Only ¹		Mill Only ¹	
		Flow	BOD	TSS	PHOS	TKN	Flow	Industry	Flow	Direct
SALARIES & BENEFITS										
Laboratory & Research & Environmental Services										
Operational Testing	\$757,839	\$106,097	\$90,941	\$68,205	\$45,471	\$53,049	\$159,146	\$181,881	\$-	\$53,049
Water Quality Testing	903,096	903,096	0	0	0	0	0	0	0	0
Total Laboratory Services	\$1,660,935	\$1,009,194	\$90,941	\$68,205	\$45,471	\$53,049	\$159,146	\$181,881	\$-	\$53,049
Treatment										
Pump Station	\$140,531	\$140,531	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-
Primary Treatment	188,820	188,820	0	0	0	0	0	0	0	0
Grit Removal	24,591	0	0	24,591	0	0	0	0	0	0
Aeration	270,878	0	135,439	0	0	135,439	0	0	0	0
Final & Chlorine Contact Basins	241,444	241,444	0	0	0	0	0	0	0	0
Filtration	35,978	35,978	0	0	0	0	0	0	0	0
Primary Thickeners	93,801	563	8,442	84,233	563	0	0	0	0	0
Waste Activated Sludge Thickeners	201,002	0	120,601	76,381	0	4,020	0	0	0	0
Dewatering/Incineration	522,605	1,756	164,334	350,160	1,756	4,600	0	0	0	0
Primary Sludge	292,606	1,756	26,335	262,761	1,756	0	0	0	0	0
Secondary Sludge	229,998	0	137,999	87,399	0	4,600	0	0	0	0
Incineration	626,151	1,748	227,071	388,888	1,748	6,695	0	0	0	0
Primary Sludge	291,411	1,748	26,227	261,687	1,748	0	0	0	0	0
Secondary Sludge	334,740	0	200,844	127,201	0	6,695	0	0	0	0
Digestion	289,930	810	105,142	180,069	810	3,100	0	0	0	0
Struvite Harvesting	191,256	267	34,679	59,392	95,895	1,022	0	0	0	0
Power Generation	243,639	680	88,355	151,318	680	2,605	0	0	0	0
Solids, General	274,532	837	93,539	176,619	837	2,699	0	0	0	0
Reclaimed Water	1,274	0	0	0	0	0	0	0	0	1,274
Total Treatment	\$3,346,432	\$613,435	\$977,601	\$1,491,652	\$102,289	\$160,180	\$-	\$-	\$-	\$1,274
Maintenance/Engineering										
Maintenance	\$2,776,171	\$789,745	\$720,051	\$697,430	\$129,404	\$237,661	\$174,922	\$-	\$26,959	\$-
Engineering	1,035,977	294,707	268,700	260,258	48,290	88,687	65,275	0	10,060	0
Total All Above	\$8,819,516	\$2,707,080	\$2,057,293	\$2,517,545	\$325,454	\$539,577	\$399,343	\$181,881	\$37,019	\$54,323
Business Services & Information Systems	\$2,643,716	\$828,555	\$629,675	\$770,543	\$99,611	\$165,148	\$122,227	\$-	\$10,844	\$17,112
Total Salaries & Benefit Costs	\$11,463,231	\$3,535,635	\$2,686,968	\$3,288,088	\$425,065	\$704,725	\$521,570	\$181,881	\$47,863	\$71,435

¹ Expenses are allocated to parameters cost components (Flow, BOD, TSS, PHOS, and TKN) and then allocated to municipal and mill customers based on projected annual wastewater flows and loadings and use of the system.
Note: Other Miscellaneous summarizes expenses of contracted services, administrative & information technology, equipment, plant and property insurance, supplies, employee training & development, and travel & meetings.

Allocation of Operations & Maintenance Costs
(Continued...)

Item	Total	Common to All ¹					Municipal Only ¹		Mill Only ¹	
		Flow	BOD	TSS	PHOS	TKN	Flow	Industry	Flow	Direct
Power										
Metro Pump	\$296,234	\$-	\$-	\$-	\$-	\$-	\$296,234	\$-	\$-	\$-
Mill Pump	25,408	0	0	0	0	0	0	0	25,408	0
Reclaimed Water	97,700	0	0	0	0	0	0	0	0	97,700
Secondary Effluent Pump	18,898	18,898	0	0	0	0	0	0	0	0
Process Air Compressors	759,401	0	493,611	0	0	265,790	0	0	0	0
Solids Building	195,444	546	70,877	121,386	546	2,090	0	0	0	0
Primary Sludge	90,959	546	8,186	81,682	546	0	0	0	0	0
Secondary Sludge	104,484	0	62,691	39,704	0	2,090	0	0	0	0
All Other Plant	735,811	209,318	190,846	184,850	34,298	62,991	46,362	0	7,145	0
Total Power	\$2,128,896	\$228,762	\$755,334	\$306,236	\$34,844	\$330,871	\$342,596	\$-	\$32,553	\$97,700
Fuel										
Fuel – Diesel for Generators	\$8,844	\$8,844	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-
Building	276,933	78,780	71,828	69,571	12,909	23,708	17,449	0	2,689	0
Incineration & Process	322,524	901	116,962	200,312	901	3,448	0	0	0	0
Primary Sludge	150,103	901	13,509	134,792	901	0	0	0	0	0
Secondary Sludge	172,421	0	103,453	65,520	0	3,448	0	0	0	0
Total Fuel	\$608,301	\$88,525	\$188,790	\$269,883	\$13,809	\$27,156	\$17,449	\$-	\$2,689	\$-
Chemicals										
Sodium Hypochlorite	\$226,050	\$226,050	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-
Thickening Polymer	147,154	0	88,292	55,919	0	2,943	0	0	0	0
Gravity Thickener Polymer	0	0	0	0	0	0	0	0	0	0
Dewatering Polymer	588,616	1,644	213,459	365,576	1,644	6,293	0	0	0	0
Primary Sludge	273,942	1,644	24,655	246,000	1,644	0	0	0	0	0
Secondary Sludge	314,674	0	188,804	119,576	0	6,293	0	0	0	0
Sodium Bisulfite	101,100	101,100	0	0	0	0	0	0	0	0
Ferric Chloride	85,000	42,500	0	0	42,500	0	0	0	0	0
Odor Control	5,100	1,319	1,368	1,425	243	409	292	0	45	0
Magnesium Chloride	0	0	0	0	0	0	0	0	0	0
Sodium Hydroxide – Air Pollution	52,800	147	19,148	32,793	147	565	0	0	0	0
Sodium Hydroxide – Nutrient Removal	0	0	0	0	0	0	0	0	0	0
Activated Carbon	50,000	140	18,132	31,054	140	535	0	0	0	0
Aqua Ammonia	0	0	0	0	0	0	0	0	0	0
Reclaimed Water	36,300	0	0	0	0	0	0	0	0	36,300
Other Chemicals	156,393	156,393	0	0	0	0	0	0	0	0
Total Chemicals	\$1,448,513	\$529,292	\$340,400	\$486,766	\$44,674	\$10,744	\$292	\$-	\$45	\$36,300

¹ Expenses are first allocated to cost components (Flow, BOD, TSS, PHOS, and TKN) and then allocated to Municipal and Mill customers based on projected annual wastewater flows and loadings, and use of the system.
Note: Other Miscellaneous summarizes expenses of contracted services, office & administrative, equipment, plant and property insurance, supplies, employee training & development, and travel & meetings.

Allocation of Operations & Maintenance Costs
(Continued...)

Item	Total	Common to All ¹					Municipal Only ¹		Mill Only ¹	
		Flow	BOD	TSS	PHOS	TKN	Flow	Industry	Flow	Direct
Maintenance & Repairs										
Maintenance & Repairs	\$1,762,639	\$501,033	\$456,818	\$442,466	\$82,097	\$150,778	\$110,975	\$-	\$17,103	\$1,370
All Other Expenses										
Solid Waste	\$439,379	\$1,227	\$159,339	\$272,888	\$1,227	\$4,698	\$-	\$-	\$-	\$-
Primary Sludge	204,487	1,227	18,404	183,629	1,227	0	0	0	0	0
Secondary Sludge	234,892	0	140,935	89,259	0	4,698	0	0	0	0
DNR Environmental Fees	156,745	1,144	52,768	55,672	35,394	11,767	0	0	0	0
Other Miscellaneous	6,251,963	1,778,512	1,621,562	1,570,618	291,420	535,214	393,926	0	60,711	0
Biogas Treatment	40,000	112	14,506	24,843	112	428	0	0	0	0
Total All Other	\$6,888,087	\$1,780,995	\$1,848,175	\$1,924,021	\$328,153	\$552,106	\$393,926	\$-	\$60,711	\$-
Total Treatment Plant O & M	\$24,299,667	\$6,664,242	\$6,276,485	\$6,717,460	\$928,642	\$1,776,380	\$1,386,807	\$181,881	\$160,965	\$206,805
Field Services O & M										
Pretreatment	\$146,498	\$-	\$-	\$-	\$-	\$-	\$-	\$146,498	\$-	\$-
Municipal Interceptors	\$425,124	0	0	0	0	0	425,124	0	0	0
Mill Interceptor	\$1,966	0	0	0	0	0	0	0	1,066	900
Sustana Fiber Force Main	\$29,930	0	0	0	0	0	0	0	0	29,930
Municipal Metering Stations	\$329,933	0	0	0	0	0	329,933	0	0	0
Mill Metering Stations	\$33,823	0	0	0	0	0	0	0	0	33,823
Municipal Lift Stations	\$387,947	0	0	0	0	0	387,947	0	0	0
Subtotal	\$1,355,221	\$-	\$-	\$-	\$-	\$-	\$1,143,004	\$146,498	\$1,066	\$64,653
All Other (Field Services Salaries after distribution)	636,312	0	0	0	0	0	536,671	68,785	501	30,356
Total Interceptor System O & M	\$1,991,533	\$-	\$-	\$-	\$-	\$-	\$1,679,675	\$215,283	\$1,567	\$95,009
Total O & M Costs	\$26,291,201	\$6,664,242	\$6,276,485	\$6,717,460	\$928,642	\$1,776,380	\$3,066,482	\$397,164	\$162,532	\$301,814
Distribution to Participants										
Municipal	\$23,280,629	\$5,546,020	\$5,926,803	\$5,854,142	\$832,305	\$1,657,713	\$3,066,482	\$397,164	\$-	\$-
Sustana Fiber	56,591	0	0	0	0	0	0	0	0	56,591
Green Bay Packaging	1,247,642	364,897	190,388	273,183	93,324	100,826	0	0	52,792	172,232
Procter & Gamble	1,706,339	753,325	159,294	590,135	3,013	17,840	0	0	109,740	72,991
Total	\$26,291,201	\$6,664,242	\$6,276,485	\$6,717,460	\$928,642	\$1,776,380	\$3,066,482	\$397,164	\$162,532	\$301,814

¹ Expenses are first allocated to cost components (Flow, BOD, TSS, PHOS, and TKN) and then allocated to Municipal and Mill customers based on projected annual wastewater flows and loadings, and use of the system.
Note: Other Miscellaneous summarizes expenses of contracted services, administrative and information technology, equipment, plant and property insurance, supplies, employee training & development, and travel & meetings.

Interceptor System O&M

The following table is the interceptor system operation and maintenance (O&M) expenses that are budgeted from NEW Water's Field Services and Maintenance Departments. The tables shows the distribution of the O&M expenses to the three paper mills (Procter & Gamble, Green Bay Packaging and Sustana Fiber) as well as GBMSD meter stations, interceptors, lift stations and Pretreatment Program. The process to separate O&M expenses is done in conformance of the most recent Cost Allocation Methodology report and Tripartite Agreements with Procter & Gamble and Green Bay Packaging and an service agreement with Sustana Fiber. The separation of O&M costs is required to develop the [Municipal, Total Mills](#) and [Sustana Fiber](#) cost of service unit rates.

Account Name	Maintenance	Field Services	P&G Meter Station	P&G Interceptor	GBP Meter Station	GBP Interceptor	Sustana Fiber Force Main	Total
Salaries – P&G Interceptor	-	628		628				\$628
Benefits – P&G Interceptor	-	201		201				201
Salaries – P&G Meter Station	2,328	9,960	12,288					12,288
Benefits – P&G Meter Station	743	3,181	3,924					3,924
Salaries – GBP Interceptor	-	180				180		180
Benefits – GBP Interceptor	-	57				57		57
Salaries – GBP Meter Station	2,328	9,160			11,488			11,488
Benefits – GBP Meter Station	743	2,925			3,668			3,668
Salaries – Sustana Fiber – Force Main	-	1,652					1,652	1,652
Benefits – Sustana Fiber – Force Main	-	528					528	528
Salaries – Sustana Fiber – Meter Station	-	19,480					19,480	19,480
Benefits – Sustana Fiber – Meter Station	-	6,220					6,220	6,220
Repair & Maintenance (R & M) – P&G Interceptor			-	450				450
R & M – P&G Meter Station			1,080					1,080
Phones – P&G			875					875
Power – P&G			-					-
Repair & Maintenance (R & M) – GBP Interceptor						450		450
R & M – GBP Meter Station					500			500
Phones – GBP					-			-
Power – GBP					-			-
R & M – Force Main							2,000	2,000
R & M – Meter Station							50	50
Chemicals							-	-
Total	\$6,143	\$54,171	\$18,167	\$1,279	\$15,656	\$687	\$29,930	\$65,719

Interceptor System O&M
(Continued...)

Account Name	Maintenance	Field Services	GBMSD Meter Stations	GBMSD Interceptors	Lift Station	Pretreatment
Salaries – Pretreatment	\$-	\$107,439				\$107,439
Salaries – GBMSD Interceptors	2,000	76,506		78,506		
Salaries – GBMSD Meter Stations	-	120,941	120,941			
Salaries – East Bayshore Lift Stations	14,000	64,008			78,008	
Salaries – East River Lift Station	3,000	15,396			18,396	
Salaries – Old Plank Lift Station	1,183	7,750			8,933	
Salaries – Interplant Force Main	-	9,329		9,329		
Salaries – Chemical Feed Building	-	1,007	1,007			
Benefits – Pretreatment	-	34,309				34,309
Benefits – GBMSD Interceptors	639	24,431		25,070		
Benefits – GBMSD Meter Stations	-	38,621	38,621			
Benefits – East Bayshore Lift Stations	4,471	20,440			24,911	
Benefits – East River Lift Station	958	4,916			5,874	
Benefits – Old Plank Lift Station	378	2,475			2,853	
Benefits – Interplant Force Main	-	2,979		2,979		
Benefits – Chemical Feed Building	-	322	322			
Pretreatment Program						4,750
R & M – East Bayshore System Lift Stations					38,174	
R & M – East Bayshore Force Main					-	
R & M – East River Lift Station					25,884	
R & M – GBMSD Interceptors – Field Services				44,565		
R & M – GBMSD Interceptors – Engineering				141,000		
R & M – Old Plank Lift Station					2,836	
R & M – Interplant Force Main				123,675		
R & M – GBMSD Meter Stations			63,748			
R & M – Chemical Feed Building			1,360			
Phones – Meter/Lift Stations			82,315			
Phones – Chemical Feed Building			-			
Power – Meter Stations			19,500			
Power – Chemical Feed Building			2,120			
Power – Old Plank Lift Station					1,445	
Power – East Bayshore Lift Stations					28,173	
Power – East River Lift Station					40,600	
Water – East River Lift Station					1,800	
Chemicals – Old Plank Lift Station					5,500	
Chemicals – De Pere Conveyance					-	
Chemicals – Chemical Feed Building					-	
Chemicals – Bayshore Interceptor					-	
Total	\$26,628	\$530,868	\$329,933	\$425,124	\$283,387	\$146,498

Salaries & Benefits Distribution

The upper table shows NEW Water's total salary and benefit distribution by departments and the number of full time employees (FTEs) per department. The bottom table is slightly different than the upper table because it removes some Maintenance and Field Services Department salaries and benefits assigned to NEW Water interceptors and meter stations that are considered Municipal Only expenses. The remaining salary and benefit expenses in the lower table are considered Common to All user expenses. The salary and benefits expenses are separated in conformance with the most recent Cost Allocation Methodology report, Tripartite Agreements with Procter & Gamble and Green Bay Packaging, and a service agreement with Sustana Fiber to develop [Municipal](#), [Total Mills](#) and [Sustana Fiber](#) cost of service unit rates.

Salaries and Benefits BEFORE Distribution to Interceptor & Meter Stations										
Description	Commission	Business Services ¹	Laboratory & Research	Treatment & EHS	Maintenance	Engineering	Information Technology	Field Services	Watershed Management	Total
Gross Salaries	\$4,200	\$1,283,616	\$728,369	2,508,982	2,072,659	\$814,531	\$702,992	\$918,889	\$557,830	\$9,592,068
Long Term Disability	-	6,033	3,749	11,858	10,499	4,351	3,815	4,467	2,913	47,686
Dental Insurance	-	11,093	7,225	19,942	20,590	5,449	7,822	8,028	1,700	81,849
Health Insurance	-	220,096	126,600	354,972	358,774	85,891	122,126	138,678	28,630	1,435,767
Life Insurance	-	4,836	1,818	6,611	7,142	3,339	3,827	2,963	644	31,179
Wisconsin Retirement	-	81,471	48,234	162,773	136,578	54,514	39,255	60,994	36,319	620,137
FICA & Medicare	321	91,798	55,459	185,843	157,396	60,076	53,775	69,242	42,225	716,133
Worker's Compensation	5	2,574	11,273	38,832	32,079	7,827	660	14,222	5,189	112,660
Uniforms	-	-	2,760	14,892	13,225	-	-	3,870	-	34,747
Employee Assistance	-	3,400	-	-	-	-	-	-	-	3,400
Wellness Program	-	-	-	40,455	-	-	-	-	-	40,455
Totals	\$4,526	\$1,704,918	\$985,487	\$3,345,158	\$2,808,942	\$1,035,977	\$934,272	\$1,221,352	\$675,449	\$12,716,080
Number of FTEs:	5	13	9	27	24	7	7	10	5	102

Salaries and Benefits AFTER Distribution to Interceptor & Meter Stations										
Description	Commission	Business Services ¹	Laboratory & Research	Treatment & EHS	Maintenance	Engineering	Information Technology	Field Services	Watershed Management	Total
Gross Salaries	\$4,200	\$1,283,616	\$728,369	\$2,508,982	\$2,047,820	\$814,531	\$702,992	\$475,453	\$557,830	\$9,123,793
Long Term Disability	0	6,033	3,749	11,858	\$10,376	4,351	3,815	\$2,262	2,913	45,357
Dental Insurance	0	11,093	7,225	19,942	\$20,379	5,449	7,822	\$4,244	1,700	77,853
Health Insurance	0	220,096	126,600	354,972	\$355,056	85,891	122,126	\$72,304	28,630	1,365,674
Life Insurance	0	4,836	1,818	6,611	\$7,061	3,339	3,827	\$1,522	644	29,657
Wisconsin Retirement	0	81,471	48,234	162,773	\$134,972	54,514	39,255	\$31,731	36,319	589,270
FICA & Medicare	321	91,798	55,459	185,843	\$155,495	60,076	53,775	\$43,665	42,225	688,656
Worker's Compensation	5	2,574	11,273	38,832	\$31,787	7,827	660	\$1,262	5,189	99,408
Uniforms	0	0	2,760	14,892	13,225	0	0	3,870	0	34,747
Employee Assistance	0	3,400	0	0	0	0	0	0	0	3,400
Wellness Program	0	0	0	40,455	0	0	0	0	0	40,455
Totals	\$4,526	\$1,704,918	\$985,487	\$3,345,158	\$2,776,171	\$1,035,977	\$934,272	\$636,312	\$675,449	\$12,098,270
Difference:	\$0	\$0	\$0	\$0	(\$32,771)	\$0	\$0	(\$585,040)	\$0	\$12,716,080
Number of FTEs:	5	13	9	27	24	7	7	10	5	102

¹ Business Services includes Executive Director and Human Resources

Employee Headcount Report

The following table shows NEW Water's employee headcount by divisions and departments as well as the number of appointed Commissioners. The middle "Position Changes" table indicates the headcount/position changes by division and department that occurred with the past budget and that will occur with this budget. The bottom table shows the organizational structure of the departments contained within each division.

Divisions and Departments	2022 Budget Headcount	2023 Budget Headcount
Business Services including Non-Departmental ¹	13	13
Laboratory & Research	9	9
Treatment including Environmental Health and Safety	27	27
Maintenance	24	24
Engineering	8	7
Information Technology	6	7
Field Services	10	10
Watershed Management	5	5
Total Headcount without Commissioners²	102	102
Commissioners	5	5

Position Changes			
Divisions	Department	Changes for 2022	Changes for 2023
Technical Services	Engineering	Add Engineering Services Manager (October)	Removed Engineering Manager
Business Services	Information Technology		Add IT Systems Specialist

Divisions & Departments classification for referencing				
Business Services	Technical Services	Operations	Environmental Programs	Non-Departmental
Accounting Public Affairs and Education Information Technology Administrative Services	Engineering Field Services	Maintenance Treatment Environmental, Health and Safety	Watershed Management Laboratory & Research	Commission District Wide Executive Director and HR Mills (P&G/GBP) Sustana Fiber

¹ Non-Departmental Division includes Executive Director & Human Resources

² Total Full-Time and Part-Time positions

Out-of-Area Travel (Outside EPA Region 5)

The following table shows the budgeted out-of-area travel by position title, division, the travel event and location and the initials of the staff members identified to attend. Out-of-area travel contained in the table is travel outside of EPA Region 5 which is comprised of Wisconsin, Minnesota, Illinois, Ohio, Indiana and Michigan.

Title	Division	Event	Location	Initials
Accounting Manager	Business Services	Government Finance Officers Assoc. Conference	Portland, OR	BC
Accounting Specialist	Business Services	Tyler Munis Conference	San Antonio, TX	CM
Public Affairs & Education Manager	Business Services	PR/Comms Conference	TBD	TG
IT Systems and Cyber Security Engineer	Business Services	Microsoft Ignite Conference	TBD	MP
IT Systems Analyst	Business Services	Maximo/Tyler Munis Conference	Phoenix/San Antonio	MW
Administrative Assistant	Business Services	Admin Professionals Day Conference	Athens, GA	BT
Director of Technical Services	Technical Services	NACWA Winter Conference	Sonoma, CA	NRQ
Director of Technical Services	Technical Services	NACWA Summer Conference	Louisville, KY	NRQ
Engineering Project Manager	Technical Services	Thermal Oxidation Conference	Atherton, MO	WIA
Pretreatment Coordinator	Technical Services	NACWA Pretreatment Seminar	Boise, ID	SG
Treatment Lead	Operations	Thermal Oxidation Conference	Atherton, MO	AE
Treatment Lead	Operations	Thermal Oxidation Conference	Atherton, MO	JK
Treatment Manager	Operations	WEF Biosolids	Charlotte, NC	BB
Treatment Lead	Operations	WEF Biosolids	Charlotte, NC	JK
Operations Trainer	Operations	WEF Biosolids	Charlotte, NC	CM
Treatment Lead	Operations	Dept of Energy, Better Plants Summit	Washington, D.C.	JB
Environmental Compliance Specialist	Operations	WEF Odor and Air Pollutant Conference	Charlotte, NC	KV
Commissioner	Non-Departmental	NACWA Winter Conference	Sonoma, CA	TBD
Commissioner	Non-Departmental	NACWA Summer Conference	Louisville, KY	TBD
Executive Director	Non-Departmental	NACWA Winter Conference	Sonoma, CA	TWS
Executive Director	Non-Departmental	NACWA Summer Conference	Louisville, KY	TWS
Executive Director	Non-Departmental	Water Reuse Association	Atlanta, GA	TWS
Executive Director	Non-Departmental	NACWA Environ Policy	Washington, D.C.	TWS
Executive Director	Non-Departmental	EPA Meeting	Washington, D.C.	TWS
Watershed Manager	Watershed	IAGLR/JASM	Toronto, ON Canada	EH
Water Resources Specialist	Watershed	IAGLR/JASM	Toronto, ON Canada	SB



Capital Improvement Plan

5-Year Capital Improvement Plan

The following tables identify NEW Water's 5-Year Capital Improvement Plan. The table is broken into three major sections: Major Capital – Wastewater Treatment Facilities, Major Capital – Interceptors, and Departmental Annual Capital Investments. The two major capital sections list significant capital projects that could be cash funded through NEW Water financial reserves or through a Clean Water Fund Loan that will require annual debt service payments. These projects will eventually be completed and then listed on the ["Allocation of Capital and Debt Service Costs"](#) tables for future annual debt collection. The Departmental Annual Capital Investments section is comprised of smaller capital projects that are financed through funds collected through the annual budget and expenses within the same budget years.

Notes at the bottom of the tables indicates funding and collection conditions related to some major capital projects.

2023 Budget – October 1, 2022 – Rev 5	2023	2024	2025	2026	2027
Major Capital: Wastewater Treatment Facilities					
DPF: Aeration Basin Improvements			\$263,000	\$525,000	\$5,670,000
DPF: Compressor Upgrades				\$210,000	\$4,358,000
DPF: Final Clarifiers & RAS Improvements			\$315,000	\$2,310,000	\$7,035,000
DPF: Metro Pumping & Headworks Improvements	\$525,000	\$13,125,000	\$12,600,000		
DPF: UV Disinfection Expansion					\$315,000
GBF: Aeration Blower Improvements				\$263,000	\$525,000
GBF: Biosolids Handling and Storage Improvements		\$683,000	\$1,261,000	\$11,340,000	\$2,468,000
GBF: Metro Pumping & Headworks Improvements		\$525,000	\$6,720,000	\$26,040,000	\$12,390,000
GBF: Mill Pumping Improvements					\$210,000
GBF: North Plant Clarifiers Rehabilitation	\$9,030,000	\$17,850,000	\$16,065,000		
GBF: South Complex Final Clarifiers Rehabilitation					\$368,000
GBF: Thickening Improvements	\$8,505,000	\$8,400,000			
Interplant Wastewater Force Main - Phase 2	\$53,000	\$1,129,000			
Total Wastewater Treatment Facilities	\$18,113,000	\$41,712,000	\$37,224,000	\$40,688,000	\$33,339,000
Major Capital: Interceptors					
East Bayshore Lift Stations - Rehabilitation	\$280,000	\$3,080,000			
East River Lift Station - Redundancy & Rehabilitation	\$648,000	\$1,348,000			
East River Lift Station - Upsizing & Force Main			\$525,000	\$2,205,000	\$5,775,000
East Tower Drive Interceptor Rehabilitation - Phase 1			\$60,000	\$1,422,000	
East Tower Drive Interceptor Rehabilitation - Phase 2				\$343,000	\$8,132,000
ERI, FRC, EFR Interceptor Rehabilitation	\$300,000	\$2,262,000	\$3,325,000	\$3,325,000	
NEI & SEI Rehabilitation			\$100,000	\$1,075,000	
Ninth Street Interceptor Improvements				\$100,000	\$4,200,000
Quincy Street Interceptor Improvements					\$600,000
West Fox River Interceptor Relay and Rehabilitation		\$220,000	\$2,205,000	\$2,998,000	
West Tower Drive Interceptor Rehabilitation					\$70,000
Total Interceptors, Meter Stations, & Lift Stations	\$1,228,000	\$6,910,000	\$6,215,000	\$11,468,000	\$18,777,000

5-Year Capital Improvement Plan
(Continued...)

2023 Budget – October 1, 2022 – Rev 5	2023	2024	2025	2026	2027
DEPARTMENT ANNUAL CAPITAL INVESTMENTS					
<u>Maintenance Section</u>					
DPF - Electrical Trip Units	\$38,000				
DPF: Replace roof - Administration Building		\$53,000			
DPF: Replace roof - Sludge Control Tank Building					\$80,000
GBF - Disinfection Mixing Improvements	\$150,000				
GBF: Replace Air Handling Units	\$450,000				
GBF: Replace UPS-A1 systems (3 units)			\$35,000		
GBF: Thermal Oil Economizer Retubing					\$200,000
Phosphorus Instrumentation Package		\$180,000			
Vehicle ID# 101 Replacement (Utilities)					\$45,000
Vehicle ID# 104 Replacement (Treatment)		\$30,000			
Vehicle ID# 107 Replacement (Field Services)			\$63,000		
Vehicle ID# 109 Replacement (E&I)				\$45,000	
Vehicle ID# 110 Replacement (Watershed)			\$30,000		
Vehicle ID# 112 Replacement (Mechanics)					\$45,000
Vehicle ID# 119 Replacement (Field Services)	\$30,000				
Maintenance Section subtotal	\$668,000	\$263,000	\$128,000	\$45,000	\$370,000
<u>Information Technology Section</u>					
Data Center Servers	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000
DPF: Fiber Optic Network Enhancement/Upgrade				\$60,000	
GBF & DPF WatchGuard Firewall Upgrade		\$50,000			
GBF & DPF: Disaster Recovery/Backup System	\$75,000				
GBF & DPF: SCADA Historian Software Replacement			\$100,000		
GBF & DPF: SCADA HMI Software Replacement			\$225,000		
GBF: Audio/Visual Rm Equipment Replacement					\$40,000
GBF: Continuous Emissions Monitoring (CEM)					\$45,000
GBF: County Wide Radio Communications		\$50,000			
GBF: County Wide Radio Communications Phase II			\$50,000		
GBF: eDocs. Imaging/ Management/Collaboration	\$90,000				
GBF: Laboratory Information Management System		\$290,000			
GBF: RBAM - Computerized Maintenance Management System					\$500,000
GBF: Wireless Network Communication		\$50,000			
Maximo Software Upgrade	\$200,000				
Information Technology Section subtotal	\$440,000	\$515,000	\$450,000	\$135,000	\$660,000
<u>Engineering Section</u>					
Annual Manhole Rehabilitation	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
GBF Admin Green Infrastructure Parking Lot		\$150,000			
GBF: Service Water & Plant Effluent Improvements	\$3,500,000	\$2,500,000			
GBF: South Plant Mixed Liquor Return Improvement	\$500,000				
Engineering Services Section subtotal	\$4,050,000	\$2,700,000	\$50,000	\$50,000	\$50,000

5-Year Capital Improvement Plan
(Continued...)

2023 Budget – October 1, 2022 – Rev 5	2023	2024	2025	2026	2027
Field Services Section					
Billing Program Design & Implementation			\$165,000		
EBS-9 Lift Pumps	\$50,000				
MS-01 Flow Tube Replacement				\$100,000	
MS-02 Flow Tube Replacement				\$100,000	
MS-06 Flume Replacement					\$50,000
MS-13 Flow Tube Replacement			\$100,000		
MS-14 Flow Tube Replacement		\$100,000			
Field Services Section subtotal	50,000	100,000	265,000	200,000	50,000
Laboratory & Research Section					
Auto Analyzer 1 (TP, TKN)	\$55,000				
Auto Analyzer 2 (NH3, OP, NO3)		\$55,000			
Auto Analyzer 3 (Low level P)			\$55,000		
Ion Chromatography System					\$60,000
Metals Lab: PE ICP					\$108,000
Laboratory Services Section subtotal	\$55,000	\$55,000	\$55,000		\$168,000
Annual Capital Renewal & Replacement					
Interceptor Renewal & Replacement			\$115,000	\$118,000	\$122,000
Wastewater Treatment Facility Renewal & Replacement			\$2,427,000	\$3,047,000	\$2,283,000
Total Annual Capital Investments	\$5,263,000	\$3,633,000	\$3,490,000	\$3,595,000	\$3,703,000
Total Capital Investments	\$24,604,000	\$52,255,000	\$46,929,000	\$55,751,000	\$55,819,000

Annual Capital

The following table is a summary of Annual Capital from the Departmental Annual Capital Investments section of the [5-Year Capital Improvement Plan](#).

Item Description	Common to All – Municipal Only	Amount
BUSINESS SERVICES		
Information Technology		
GBF & DPF: Disaster Recovery/Backup System	Common to All	75,000
GBF: eDocs. Imaging/ Management/Collaboration	Common to All	90,000
Maximo Software Upgrade	Common to All	200,000
Data Center Servers	Common to All	75,000
Total Business Services		\$440,000
OPERATIONS		
Maintenance		
GBF: Replace Air Handling Units	Common to All	\$450,000
Vehicle ID# 119 Replacement (Field Services)	Common to All	30,000
GBF - Disinfection Mixing Improvements	Common to All	150,000
DPF - Electrical Trip Units	Common to All	\$38,000
Total Operations		\$668,000
TECHNICAL SERVICES		
Engineering		
Annual Manhole Rehabilitation	Municipal Only	50,000
GBF: South Plant Mixed Liquor Return Improvement	Common to All	500,000
GBF: Service Water & Plant Effluent Improvements	Common to All	\$3,500,000
Ferric Chloride Pumping System Replacement	Common to All	\$150,000
Total Engineering		\$4,200,000
Field Services		
EBS-9 Lift Pumps	Municipal Only	\$50,000
Total Field Services		\$50,000
Laboratory & Research Section		
Auto Analyzer 1 (TP, TKN)	Common to All	\$55,000
Total Laboratory & Research		\$55,000
Total Annual Capital		\$5,413,000



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