

2019 Adopted Budget December 5, 2018

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
DATES AND EVENTS

July 18, 2018	First Discussion of 2019 Budget with Commission
August 22, 2018	First Budget Workshop
September 6, 2018	Budget Meeting with Customers
September 26, 2018	Second Budget Workshop and 2019 Tax Abatement Schedule
October 2018	Elected Officials Board Meetings
October 24, 2018	Third Budget Workshop (if needed)
December 5, 2018	2019 Budget Public Hearing and Adoption
December 6, 2018	2019 Adopted Budget Distributed to Customers

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
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5-Year Capital Investment Plan Report

Summary of Revenues and Expenses Legends

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
Municipal, Procter & Gamble and Fox River Fiber Rate Comparisons

Municipal Rate Comparison

Parameter	COS Title	2018 COS Rate (FRF Adjusted)	2019 COS Rate (FRF Adjusted)
Volume (1,000 GALS)	Flow	\$0.69897	\$0.72428
Biochemical Oxygen Demand (LBS)	BOD	\$0.35126	\$0.29558
Suspended Solids (LBS)	TSS	\$0.28304	\$0.26732
Phosphorus (LBS)	PHOS	\$0.75833	\$0.44398
Total Kjeldahl Nitrogen (LBS)	TKN	\$0.70556	\$0.74148

Note: Fixed Charge is billed separately as shown on page 3, Flow and Load Projections.

Procter & Gamble Operation & Maintenance Rate Comparison

Parameter	COS Title	2018 COS Rate (FRF Adjusted)	2019 COS Rate (FRF Adjusted)
Volume (1,000 GALS)	Flow	\$0.58847	\$0.58964
Biochemical Oxygen Demand (LBS)	BOD	\$0.28878	\$0.23376
Suspended Solids (LBS)	TSS	\$0.22148	\$0.20216
Phosphorus (LBS)	PHOS	\$0.69239	\$0.29866
Total Kjeldahl Nitrogen (LBS)	TKN	\$0.64105	\$0.67460

Note: Capital Charges for P&G to be billed separately.

Fox River Fiber Operation & Maintenance Rate Comparison

Parameter	COS Title	2018 COS Rate (FRF Adjusted)	2019 COS Rate (FRF Adjusted)
Volume (1,000 GALS)	Flow	\$0.44504	\$0.48322
Biochemical Oxygen Demand (LBS)	BOD	\$0.33742	\$0.28558
Suspended Solids (LBS)	TSS	\$0.27266	\$0.25893
Phosphorus (LBS)	PHOS	\$0.72553	\$0.43155
Total Kjeldahl Nitrogen (LBS)	TKN	\$0.67474	\$0.71272

Note: The Fixed Charge for Fox River Fiber to be billed separately by City of De Pere.

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
Summary of Revenues and Expenses

	2017 Budget	2017 Actual	2018 Budget	% of Overall Expenses	Projected 2018 Year-End	2019 Budget	% of Overall Expenses	2019 Budget Favorable/ (Unfavorable) Variance	% Variance
Revenues									
Municipal User Fees (3)	\$ 33,599,315	\$ 36,690,267	\$ 34,221,844	85.7%	\$ 36,306,733	\$ 34,341,032	85.1%	\$ 119,188	0.3%
P&G User Fees	1,360,778	1,425,553	1,441,121	3.6%	1,445,108	1,342,045	3.3%	(99,076)	-6.9%
Mills Direct Charges	233,462	159,788	109,756	0.3%	122,317	117,200	0.3%	7,444	6.8%
P&G Capital Charges	1,044,650	1,044,650	1,037,677	2.6%	1,037,677	1,163,822	2.9%	126,145	12.2%
General Reserve Interest	4,682	43,715	2,175	0.0%	101,545	14,019	0.0%	11,844	544.6%
Other Revenues	769,457	971,164	767,024	1.9%	939,053	1,177,702	2.9%	410,678	53.5%
	\$ 37,012,344	40,335,137	37,579,597	94.2%	39,952,434	\$ 38,155,821	94.5%	\$ 576,224	1.5%
PERF Reserve Transfers									
DEBT and ICR Reserve Transfers	2,095,257	2,095,257	2,334,123	5.8%	2,334,123	2,027,034	5.0%	(307,089)	-13.2%
General Fund Transfers	-	(4,913,593)	-	-	(3,868,801)	175,000	0.0%	175,000	0.0%
	\$ 2,095,257	\$ (2,818,336)	\$ 2,334,123	5.8%	\$ (1,534,678)	\$ 2,202,034	5.5%	\$ (132,089)	-5.7%
Total Revenues	\$ 39,107,601	\$ 37,516,801	\$ 39,913,719	100.0%	\$ 38,417,756	\$ 40,357,855	100.0%	\$ 444,136	1.1%
Expenses									
Salaries & Benefits	\$ 10,236,902	\$ 10,317,994	\$ 10,401,955	26.1%	\$ 10,152,049	\$ 10,741,619	26.6%	\$ (339,664)	-3.3%
Power	2,409,473	2,372,303	1,923,964	4.8%	2,686,609	1,537,400	3.8%	386,564	20.1%
Contracted Services	2,788,143	2,320,270	3,588,058	9.0%	2,923,413	2,966,020	7.3%	622,038	17.3%
Maintenance & Repairs	1,582,415	1,678,763	1,942,867	4.9%	1,698,119	1,688,721	4.2%	254,146	13.1%
Chemicals	548,890	555,939	945,239	2.4%	845,739	1,045,447	2.6%	(100,208)	-10.6%
Natural Gas & Fuel Oil	961,931	934,379	487,404	1.2%	1,036,413	327,449	0.8%	159,955	32.8%
Solid Waste Disposal	211,325	186,079	180,686	0.5%	168,340	283,828	0.7%	(103,142)	-57.1%
Interceptor System (1)	652,855	954,145	690,490	1.7%	1,292,364	1,106,301	2.7%	(415,811)	-60.2%
Office & Administrative	529,641	496,506	631,146	1.6%	755,323	614,468	1.5%	16,678	2.6%
Insurance	237,593	240,937	250,375	0.6%	229,379	274,830	0.7%	(24,455)	-9.8%
Supplies	149,838	196,664	220,187	0.6%	192,655	218,826	0.5%	1,361	0.6%
Employee Training & Development	152,673	146,275	175,094	0.4%	136,203	186,978	0.5%	(11,884)	-6.8%
Travel and Meetings	80,868	61,101	75,815	0.2%	65,988	70,791	0.2%	5,024	6.6%
DNR Environmental Fees	146,000	117,501	136,000	0.3%	123,809	131,000	0.3%	5,000	3.7%
Total O & M Expenses	\$ 20,688,547	\$ 20,578,856	\$ 21,649,280	54.2%	\$ 22,306,403	\$ 21,193,678	52.5%	\$ 455,602	2.1%
Debt Service (2)	\$ 16,457,706	\$ 16,457,706	\$ 15,253,439	38.2%	\$ 15,253,439	\$ 16,216,177	40.2%	\$ (962,738)	-6.3%
Annual Capital	1,961,348	480,239	3,011,000	7.5%	857,914	2,948,000	7.3%	63,000	2.1%
Total Debt Service, Annual Capital & Rate Stabilization	\$ 18,419,054	\$ 16,937,945	\$ 18,264,439	45.8%	\$ 16,111,353	\$ 19,164,177	47.5%	\$ (899,738)	-4.9%
Total Expenses	\$ 39,107,601	\$ 37,516,801	\$ 39,913,719	100.0%	\$ 38,417,756	\$ 40,357,855	100.0%	\$ (444,136)	-1.1%

Notes:

(1) Interceptor System includes all expenses related to Interceptors, Meter and Lift Stations, including chemicals, power, phones, pretreatment program, and water.

(2) Debt Service for 2019 reflects collection and payments for 2020 Debt Payments.

(3) Municipal User Fees equal municipal customers plus Fox River Fiber.

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
Flow and Load Projections - with FRF Adjustment

	1,000 gal	VOLUME		BOD		TSS		PHOS		TKN		65.0% Fixed Charge	
	Gallons	(1000 gallon)	Amount	Pounds	Amount	Pounds	Amount	Pounds	Amount	Pounds	Amount	Amount	Total Amount
City of Green Bay	5,100,000	5,100,000	\$ 3,693,846	8,251,296	\$ 2,438,919	7,400,568	\$ 1,978,349	185,688	\$ 82,441	1,373,832	\$ 1,018,669	\$ 5,264,268	\$ 14,476,493
City of De Pere	1,300,000	1,300,000	941,569	3,720,000	1,099,558	2,230,000	596,132	27,324	12,131	282,816	209,702	1,786,963	4,646,056
Fox River Fiber	300,000	300,000	144,967	1,285,500	367,113	720,500	186,559	16,500	7,121	198,000	141,119	603,445	1,450,323
Village of Allouez	710,000	710,000	514,241	726,648	214,783	1,015,872	271,567	21,192	9,409	152,952	113,411	617,637	1,741,047
Village of Ashwaubenon	1,421,000	1,421,000	1,029,207	2,083,008	615,696	2,452,980	655,740	57,252	25,419	294,780	218,573	1,499,690	4,044,325
Village of Bellevue	660,000	660,000	478,027	799,260	236,245	852,108	227,789	22,140	9,830	168,504	124,942	587,039	1,663,872
Village of Hobart	205,000	205,000	148,478	285,636	84,428	363,888	97,276	7,488	3,325	60,684	44,996	219,195	597,697
Village of Howard	830,000	830,000	601,155	777,816	229,907	1,842,084	492,433	25,272	11,220	299,256	221,892	902,923	2,459,531
Village of Luxemburg	194,000	194,000	140,511	42,590	12,589	86,841	23,215	1,568	696	17,600	13,050	74,372	264,432
Village of Pulaski	197,000	197,000	142,684	59,172	17,490	50,328	13,454	7,632	3,388	41,040	30,430	78,273	285,720
Village of Suamico	189,416	189,416	137,191	407,568	120,469	436,404	116,661	10,500	4,662	63,536	47,111	266,290	692,384
Town of Ledgeview Sanitary District #2	185,000	185,000	133,992	232,932	68,850	259,176	69,284	7,320	3,250	53,616	39,755	174,037	489,169
Town of Lawrence - Utility District	115,000	115,000	83,293	222,899	65,885	396,929	106,109	6,152	2,731	44,364	32,895	191,286	482,198
Pittsfield Sanitary District	12,600	12,600	9,126	16,260	4,806	27,423	7,331	432	192	3,370	2,499	14,377	38,331
Scott Municipal Utility	120,000	120,000	86,914	164,226	48,542	280,034	74,860	4,329	1,922	33,001	24,470	144,365	381,073
Dyckesville Sanitary District	29,000	29,000	21,004	36,699	10,847	61,893	16,545	975	433	7,605	5,639	32,555	87,024
Hauled Waste	31,762	31,762	65,066	432,448	191,210	596,623	215,962	16,060	9,332	67,465	59,786	-	541,357
Total Municipal	11,599,778	11,599,778	\$ 8,371,271	19,543,958	\$ 5,827,337	19,073,651	\$ 5,149,266	417,824	\$ 187,502	3,162,421	\$ 2,348,940	\$ 12,456,715	\$ 34,341,032
Procter & Gamble	1,377,689	1,377,689	\$ 812,338	482,124	\$ 112,703	1,914,408	\$ 387,010	1,956	\$ 584	43,596	\$ 29,410	\$ -	\$ 1,342,045
Total Mill	1,377,689	1,377,689	\$ 812,338	482,124	\$ 112,703	1,914,408	\$ 387,010	1,956	\$ 584	43,596	\$ 29,410	\$ -	\$ 1,342,045
Grand Total													
Units	12,977,467	12,977,467		20,026,082		20,988,059		419,780		3,206,017			
Costs			\$ 9,183,609		\$ 5,940,040		\$ 5,536,276		\$ 188,086		\$ 2,378,350	\$ 12,456,715	\$ 35,683,077

Note: Fixed Charge is billed 1/12 of annual amount each month.

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
User Fees by Source

	2019 Budget	2018 Budget	2017 Actual	2016 Actual	2015 Actual
City of Green Bay	\$14,476,493	\$14,454,434	\$14,974,753	\$13,827,312	\$12,487,909
City of De Pere	4,646,056	4,488,162	5,434,550	5,037,348	4,977,851
Fox River Fiber	1,450,323	1,441,655	1,163,311	1,084,874	1,391,549
Village of Allouez	1,741,047	1,784,148	1,780,075	1,749,897	1,707,690
Village of Ashwaubenon	4,044,325	4,135,024	4,069,542	3,977,249	3,739,334
Village of Bellevue	1,663,872	1,719,315	1,740,876	1,593,290	1,637,450
Village of Hobart	597,697	579,416	568,425	459,957	383,540
Village of Howard	2,459,531	2,500,257	2,410,582	2,408,423	1,992,062
Village of Luxemburg	264,432	234,408	225,721	174,364	159,572
Village of Pulaski	285,720	342,869	318,328	317,468	281,687
Village of Suamico	692,384	708,374	725,354	669,926	668,187
Town of Ledgeview Sanitary District #2	489,169	500,436	505,389	469,136	565,832
Town of Lawrence - Utility District	482,198	420,176	455,156	374,940	311,614
Pittsfield Sanitary District	38,331	37,616	37,351	38,741	39,288
Scott Municipal Utility **	381,073	0	0	0	0
Dyckesville Sanitary District	87,024	85,402	84,852	87,100	67,928
New Franken Sanitary District **	0	44,143	43,742	45,153	46,422
Royal Scott Sanitary District **	0	88,780	90,566	84,184	75,002
Town of Scott Sanitary District #1 **	0	171,078	169,977	178,443	181,977
Bayshore Sanitary District **	0	69,278	67,899	70,015	54,530
Hauled Waste *	541,357	416,872	1,823,820	1,280,178	2,485,872
Total Municipal	\$34,341,032	\$34,221,844	\$36,690,269	\$33,927,998	\$33,255,295
Procter & Gamble	1,342,045	1,441,121	1,425,552	1,275,813	1,149,433
Total Mill	\$1,342,045	\$1,441,121	\$1,425,552	\$1,275,813	\$1,149,433
Total User Fees	\$35,683,077	\$35,662,965	\$38,115,821	\$35,203,811	\$34,404,729

* Hauled Waste for 2015, 2016, & 2017 was significantly higher due to special projects with the three cheese facilities.

** Scott Municipal Utility is a consolidation of New Franken Sanitary District, Royal Scott Sanitary District, Town of Scott Sanitary District #1, and Bayshore Sanitary District.

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
Municipal Cost of Service

	<u>Total</u>	<u>VOLUME</u>	<u>BOD</u>	<u>TSS</u>	<u>PHOS</u>	<u>TKN</u>	<u>Fixed Charge</u>
Unit Value		1,000 gal	pounds	pounds	pounds	pounds	N/A
Units (1)		11,568,016	19,111,510	18,477,028	401,764	3,094,956	11,568,016
Cost of Service							
Municipal							
Operating Cost	\$ 18,196,901	\$ 7,787,315	\$ 4,467,033	\$ 3,734,896	\$ 119,967	\$ 2,087,690	\$ -
Pretreatment Cost Allocation	200,671	0	98,629	65,809	4,323	31,909	0
Capital Cost	7,404,220	515,421	408,597	292,689	50,284	148,939	5,988,290
Solids Project - Capital Cost	7,997,883	3,470	661,868	839,910	3,594	20,616	6,468,425
Total Cost	\$ 33,799,675	\$ 8,306,206	\$ 5,636,127	\$ 4,933,304	\$ 178,169	\$ 2,289,154	\$ 12,456,715
Unit Operating Cost		\$0.67318	\$0.23890	\$0.20570	\$0.30936	\$0.68486	
Unit Capital Cost		\$0.04486	\$0.05601	\$0.06130	\$0.13411	\$0.05478	
Unit Combined Cost		\$0.71803	\$0.29491	\$0.26700	\$0.44347	\$0.73964	
Fox River Fiber (FRF) Adjustment (2)		\$0.00625	\$0.00067	\$0.00033	\$0.00051	\$0.00184	
Adjusted Unit Combined Cost		\$0.72428	\$0.29558	\$0.26732	\$0.44398	\$0.74148	

(1) Exclude Hauled Waste flows and loads.

200.00 200.00 12.00 50.00

(2) FRF Adjustment removes interceptor costs from FRF Cost of Service.

GBMSD MUNICIPAL BUDGET RATE
HISTORY

	VOLUME	BOD	SS	PHOS	TKN
2019	\$0.72428	\$0.29558	\$0.26732	\$0.44398	\$0.74148
2018	\$0.69897	\$0.35126	\$0.28304	\$0.75833	\$0.70556
2017	\$0.72126	\$0.41913	\$0.36651	\$0.58901	\$0.76448
2016	\$0.79357	\$0.43068	\$0.41292	\$0.60597	\$0.64043
2015	\$0.80448	\$0.39331	\$0.34822	\$0.56768	\$0.65358

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
Hauled Waste Cost of Service

	<u>Total</u>	<u>VOLUME</u>	<u>BOD</u>	<u>TSS</u>	<u>PHOS</u>	<u>TKN</u>	<u>Fixed Charge</u>
Unit Value		1,000 gal	pounds	pounds	pounds	pounds	N/A
Units		31,762	432,448	596,623	16,060	67,465	0
Cost of Service							
Operating Cost	\$293,392	\$21,381	\$101,091	\$120,611	\$4,796	\$45,512	\$0
Pretreatment Cost Allocation	0	0	0	0	0	0	0
Capital Cost	119,204	43,392	34,399	24,641	4,233	12,539	0
Solids Project - Capital cost	128,761	292	55,721	70,710	303	1,736	0
Direct Charges	0	0	0	0	0	0	0
FRF Adjustment	0	0	0	0	0	0	0
Total Cost	\$541,357	\$65,066	\$191,210	\$215,962	\$9,332	\$59,786	\$0

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
Procter & Gamble Cost of Service

	<u>Total</u>	<u>VOLUME</u>	<u>BOD</u>	<u>TSS</u>	<u>PHOS</u>	<u>TKN</u>	<u>Capital Charge</u>
Unit Value		1,000 gal	pounds	pounds	pounds	pounds	N/A
Units		1,377,689	482,124	1,914,408	1,956	43,596	1,377,689
Cost of Service							
Operating Cost	\$1,342,045	\$812,338	\$112,703	\$387,010	\$584	\$29,410	\$0
Pretreatment Cost Allocation	0	0	0	0	0	0	0
Capital Cost	505,311	0	0	0	0	0	505,311
Solids Project - Capital Cost	658,511	0	0	0	0	0	658,511
Direct Charges	74,822	0	0	0	0	0	0
Total Cost	\$2,580,690	\$812,338	\$112,703	\$387,010	\$584	\$29,410	\$1,163,822
Unit Cost		\$0.58964	\$0.23376	\$0.20216	\$0.29866	\$0.67460	
Unit Capital Cost (1)		\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
Unit Combined Cost		\$0.58964	\$0.23376	\$0.20216	\$0.29866	\$0.67460	

BUDGET RATE HISTORY	VOLUME	BOD	TSS	PHOS	TKN
2019	\$0.58964	\$0.23376	\$0.20216	\$0.29866	\$0.67460
2018	\$0.58847	\$0.28878	\$0.22148	\$0.69239	\$0.64105
2017	\$0.58553	\$0.26840	\$0.20301	\$0.43617	\$0.64104
2016	\$0.05342	\$0.25789	\$0.18371	\$0.38906	\$0.49819
2015	\$0.52549	\$0.26270	\$0.19420	\$0.40750	\$0.50956

Note: (1) Capital Charges for P&G to be billed separately.

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
Fox River Fiber Cost of Service

	<u>Total</u>	<u>VOLUME</u>	<u>BOD</u>	<u>TSS</u>	<u>PHOS</u>	<u>TKN</u>	<u>Fixed Charge (1)</u>
Unit Value		1,000 gal	pounds	pounds	pounds	pounds	N/A
Units		300,000	1,285,500	720,500	16,500	198,000	-
Cost of Service							
Operating Cost	\$ 786,546	\$ 201,953	\$ 300,467	\$ 145,640	\$ 4,927	\$ 133,560	\$ -
Pretreatment Cost Allocation	11,419	-	6,634	2,566	178	2,041	-
Capital Cost	746,130	13,457	72,003	44,165	2,213	10,847	603,445
Solids Project	-	-	-	-	-	-	-
Subtotal Cost of Service	\$ 1,544,095	\$ 215,410	\$ 379,104	\$ 192,371	\$ 7,317	\$ 146,449	\$ 603,445
Direct Charges	42,377	-	-	-	-	-	-
Less FRF Adjustment	(93,772)	(70,443)	(11,991)	(5,812)	(197)	(5,330)	-
Total Cost	\$ 1,492,701	\$ 144,967	\$ 367,113	\$ 186,559	\$ 7,121	\$ 141,119	\$ 603,445
Unit Cost		\$0.71803	\$0.29491	\$0.26700	\$0.44347	\$0.73964	
FRF Adjustment		(0.23481)	(0.00933)	(0.00807)	(0.01192)	(0.02692)	
Unit Cost (with FRF Adjustment)		\$0.48322	\$0.28558	\$0.25893	\$0.43155	\$0.71272	

BUDGET RATE HISTORY	VOLUME	BOD	TSS	PHOS	TKN
2019	\$0.48322	\$0.28558	\$0.25893	\$0.43155	\$0.71272
2018	\$0.44504	\$0.33742	\$0.27266	\$0.72553	\$0.67474
2017	\$0.53436	\$0.40685	\$0.35735	\$0.56875	\$0.73482
2016	\$0.63165	\$0.41777	\$0.40379	\$0.58647	\$0.61550
2015	\$0.59821	\$0.38082	\$0.33967	\$0.55008	\$0.63145

Note (1): The Fixed Charge for Fox River Fiver to be billed separately by the City of DePere.

NEW Water
GREEN BAY METROPOLITAN SEWERAGE DISTRICT
2019 Adopted Budget - December 5, 2018
Allocation of Capital and Debt Service Costs (1)

	FY2019	Allocations	
		Municipal	Procter & Gamble (1)
Debt Service			
<u>Debt Service - Municipal Only</u>			
Clean Water Fund Loans			
4198-12 West Fox River Interceptor	\$142,753	\$142,753	\$0
4198-16 East River Lift Station	132,340	132,340	0
4198-18 Scott Bayshore Interceptor	45,735	45,735	0
4198-21 East Tower Drive Interceptor	182,822	182,822	0
4345-06 De Pere Ashwaubenon Creek Interceptor	217,218	217,218	0
4198-29 Phase Two Interceptor Rehabilitation	216,211	216,211	0
4198-45 De Pere Facility East Service Area Interceptor Rehabilitation	186,825	186,825	0
Ninth Street Interceptor Rehabilitation (2019 New)*	121,954	121,954	0
Ninth Street Interceptor Extension - American Drive (New 2019)*	92,759	92,759	0
East River Interceptor Rehabilitation (2018 New)*	0	0	0
Other General Obligation Debt			
2008 Sewerage System Improvement Bond - Re Issued March 2018	\$473,436	\$473,436	0
Total Debt Service - Municipal Only (2)	\$1,812,053	\$1,812,053	\$0
Debt Service - Common to All			
<u>Clean Water Fund Loans</u>			
4198-02 Bar Screen Replacement	\$100,662	\$94,103	\$6,560
4198-09 Service Water System	64,674	60,460	4,215
4198-24 Electrical Generation Facility	208,276	194,704	13,572
4198-25 RAS/WAS Improvements	662,989	619,785	43,204
4198-27 Solids Process Improvement	352,516	329,544	22,972
4198- 32 GBF: Administration & Maintenance Building HVAC Replacement *	206,425	192,973	13,452
4198-35 Combined Treatment Facilities Projects	300,683	281,089	19,594
4198-37 Consolidation/Conveyance Project	881,055	823,641	57,415
4198-44 R2E2 Solids Management	981,276	908,476	72,801
4198-48 DPF: UV Disinfection System Upgrade	271,032	253,370	17,662
4345-04 De Pere Facility	257,638	240,849	16,789
4198-99 Green Bay Facility Solids Management Plan Construction (R2E2)*	7,026,502	6,505,207	521,295
4198-52 GBF: Disinfection System Upgrade *	48,414	45,259	3,155
DPF: Primary Substation & Emergency Generator (2017 New)*	825,992	772,165	53,826
GBF & DPF: Clarifier Rehabilitation and Odor Control (2018 New)*	334,190	312,412	21,778
DPF: Service Water System Rehabilitation/Replacement (2018 New)*	(0)	(0)	(0)
GBF: Gravity Belt Thickener Replacement (2020 New)	319,751	298,915	20,837
DPF: Tertiary Filter Replacement (2019 New)	257,048	240,298	16,751
Other General Obligation Debt			
2008 Sewerage System Improvement Bond	276,264	258,261	18,003
Promissory Note to City of De Pere	160,485	150,027	10,458
Green Bay Facility Solids Management Plan - Design	868,250	803,835	64,415
Total Debt Service - Common to All (2)	\$14,404,124	\$13,385,371	\$1,018,753
Debt Service Offsets			
Georgia-Pacific - Capital Payment	(\$429,694)	(\$429,694)	\$0
4198-29 City of De Pere Rehabilitation Interceptor Ashwaubenon Creek Payment	(53,472)	(53,472)	0
Less Debt Payments Funded from ICR Reserve **	(903,768)	(903,768)	0
City of Green Bay Interceptors Payment	(292,430)	(292,430)	0
Town of Lawrence Interceptors Payment ((9th Street Seg 5 Ext., Ashw. Creek 2,3,4,6,7, and Ashw. Interceptor 2,3, & 4)	(197,077)	(197,077)	0
New Franken Sanitary District Interceptors Payment	(21,621)	(21,621)	0
Royal Scott Sanitary District #1 Interceptor Payment	(8,902)	(8,902)	0
4198-45 De Pere Eastside Interceptor Rehabilitation	(120,071)	(120,071)	0
Total Debt Service Offsets	(\$2,027,034)	(\$2,027,034)	\$0
TOTAL DEBT SERVICE	\$14,189,143	\$13,170,390	\$1,018,753
ANNUAL CAPITAL OUTLAY			
2019 Requests - Allocated to All	\$2,463,000	\$2,309,184	\$153,816
2019 Requests - Allocated to Municipal Only	485,000	485,000	0
TOTAL ANNUAL CAPITAL OUTLAY	\$2,948,000	\$2,794,184	\$153,816
TOTAL ANNUAL CAPITAL AND DEBT SERVICE	\$17,137,143	\$15,964,573	\$1,172,570
REVENUES AND TRANSFERS			
Interest Income	(\$14,019)	(\$14,019)	\$0
Miscellaneous Revenue - Capital ***	(\$134,233)	(\$125,486)	(\$8,747)
Total Non-Rate Revenues (Capital-Related)	(\$323,252)	(\$314,505)	(\$8,747)
Net Annual Capital and Debt Service	\$16,813,891	\$15,650,068	\$1,163,822

(1) Based on Revised Cost of Service Allocations from CDM Smith, Inc. June 2016 (Table 5). Debt Collection is for 2020 debt service payments.

(2) Total Debt Collected in 2019 Budget for 2020 Debt payments. Metropolitan Sewerage Districts are permitted to abate taxation by having sufficient funds available in its designated debt service fund to pay those debt obligations for the following year.

Metropolitan Sewerage Districts Subchapter I 200.13(2),(5) permits Sewerage Districts to levy a tax upon property for its performance of duties.

* Note: 2018 & 2019 Payments for Debt Service over collected for these projects due to timing on submitting loan. The 2008 Improvement Bond Re-Issued savings 03-2018.

** Note: Less Debt Payments funded from ICR Reserve.

*** Note: Miscellaneous Revenues are from Sampling & Lab Analysis from De Pere, Village of Ashwaubenon, Village of Hobart, Village of Suamico, Yacht Club, West Shore Pipeline, and ICR Leases.

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
Summary of Debt Service Schedule

Issue	Description	Original Amount	2019 Budget for 2020	Loan Date	Last Payment
			Debt Payments		
4198-16	East River Lift Station	1,924,428	132,340	10/25/2000	May 2020
4198-12	West Fox River Interceptor	2,159,850	142,753	10/25/2000	May 2020
4345-06	De Pere Ashwaubenon Creek Interceptor	3,222,103	217,218	12/31/2007	May 2020
4198-09	Service Water System	946,212	64,674	7/11/2001	May 2021
4198-02	Bar Screens Replacement	1,490,715	100,662	7/11/2001	May 2021
4198-18	Scott Bayshore Interceptor	695,592	45,735	2/27/2002	May 2021
4345-04	De Pere Facility	3,881,879	257,638	12/31/2007	May 2021
4198-27	Solids Process Improvement	5,347,693	352,516	12/8/2004	May 2024
4198-21	East Tower Drive Interceptor	2,761,526	182,822	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	749,700	3/15/2028	May 2028
4198-25	RAS/WAS Improvements	10,460,782	662,989	3/19/2018	May 2028
4198-35	Combined Treatment Facilities Projects	4,211,341	300,683	12/9/2009	May 2029
4198-37	Consolidation/Conveyance Project	12,821,922	881,055	12/9/2009	May 2029
4198-29	Phase Two Interceptor Rehabilitation	3,421,382	216,211	11/10/2010	May 2030
4198-24	Electrical Generator Project	3,246,148	208,276	12/22/2010	May 2030
4198-32	GBF: Administration & Maintenance Building HVAC Replacement *	3,133,312	206,425	4/10/2013	May 2032
4198-45	De Pere Facility East Service Area Interceptor Rehabilitation	3,146,593	186,825	12/12/2012	May 2032
4198-48	DPF: Disinfection System Upgrade *	4,272,020	271,032	1/8/2014	May 2033
4198-44	Green Bay Facility Solids Management Plan Construction (R2E2)	15,209,242	981,276	8/13/2014	May 2034
4198-52	GBF: Disinfection System Upgrade *	1,850,000	48,414	12/23/2015	May 2035
4198-99	Green Bay Facility Solids Management Plan Construction (R2E2)*	116,000,000	7,026,502	10/14/2015	May 2035
July 2013	General Obligation Bond Green Bay Facility Solids Management Plan - Design (R2E2)	20,000,000	868,250	8/20/2013	May 2038
Total Existing Debt		\$232,335,511	\$14,264,483		
(New)	DPF: Primary Substation & Emergency Generator (2017 New) *	14,700,000	825,992	12/15/2018	May 2038
(New)	GBF & DPF: Clarifier Rehabilitation and Odor Control (2018 New)*	26,500,000	334,190	1/30/2020	May 2040
(New)	DPF: Service Water System Rehabilitation/Replacement (2018 New)*	1,420,000	(0)	6/30/2019	May 2040
(New)	Ninth Street Interceptor Rehabilitation (2019 New)*	3,000,000	121,954	5/30/2020	May 2040
(New)	Ninth Street Interceptor Extension - American Drive (New 2019)*	1,250,000	92,759	5/30/2020	May 2040
(New)	East River Interceptor Rehabilitation (2018 New)*	3,106,000	0	5/30/2020	May 2040
(New)	DPF: Tertiary Filter Replacement (2019 New)	8,004,000	257,048	1/30/2020	May 2040
(New)	GBF: Gravity Belt Thickener Replacement (2020 New)	4,642,000	319,751	2/30/2020	May 2040
Total New Debt		62,622,000	\$1,951,694		
Grand Total with New Debt		\$294,957,511	\$16,216,177		

Note: * Over collected debt payment from prior years due to timing of project expenditure projection.

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
Annual Capital

Item Description	Common to All - Municipal Only	Amount
Business Services		
<u>Information Technology</u>		
GBF: Replace PLC Input/Output Hardware	Common to All	\$ 125,000
Total Business Services		\$ 125,000
Operations		
<u>Maintenance</u>		
DPF: Air Handling Unit Replacement	Common to All	\$ 250,000
GBF: Replacement MCC - Administration Building ADP-1,-2; MCC-A1,-A2	Common to All	330,000
GBF: Replacement MCC - South Plant MCC-N1,-N2,-N3	Common to All	370,000
Total Operations		\$ 950,000
Technical Services		
<u>Engineering</u>		
MS 6,8, & 9 Rehabilitation	Municipal Only	\$ 435,000
Annual Manhole Rehabilitation	Municipal Only	50,000
Administration Building Office Space Upgrades	Common to All	1,350,000
Total Engineering		\$ 1,835,000
Total Technical Services		\$ 1,835,000
Environmental Programs		
<u>Laboratory</u>		
Automated BOD Analyzer	Common to All	\$ 38,000
Total Laboratory		\$ 38,000
Total Environmental Programs		\$ 38,000
Total Annual Capital Items		\$ 2,948,000

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
Allocation of Operation and Maintenance Costs

Expenses are first allocated to cost components (Flow, BOD, TSS, PHOS, TKN) and then allocated to Municipal and Mill customers based on projected annual wastewater flows and loadings.

ITEM	Total	Common to All					Municipal Only		Mill Only		
		Flow	BOD	TSS	PHOS	TKN	Flow	Industry	Flow	Direct	
Salaries & Benefits											
Laboratory & Research & Environmental Services											
Operational Testing	\$ 606,075	\$ 84,850	\$ 72,729	\$ 54,546	\$ 36,365	\$ 42,425	\$ 127,276	\$ 145,458	\$ -	\$ 42,425	
Water Quality Testing	905,289	905,289	0	0	0	0	0	0	0	0	
Total Laboratory Services	\$ 1,511,364	\$ 990,140	\$ 72,729	\$ 54,546	\$ 36,365	\$ 42,425	\$ 127,276	\$ 145,458	\$ -	\$ 42,425	
Treatment											
Pump Station	\$ 114,681	\$ 114,681	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Primary Treatment	154,087	154,087	0	0	0	0	0	0	0	0	
Grit Removal	20,067	0	0	20,067	0	0	0	0	0	0	
Aeration	221,051	0	110,526	0	0	110,526	0	0	0	0	
Final & Chlorine Contact Basins	197,032	197,032	0	0	0	0	0	0	0	0	
Filtration	29,360	29,360	0	0	0	0	0	0	0	0	
Primary Thickeners	76,547	459	6,889	68,739	459	0	0	0	0	0	
Waste Activated Sludge Thickeners	164,029	0	98,417	62,331	0	3,281	0	0	0	0	
Dewatering - Belt Presses/Incineration	426,474	1,115	161,076	258,356	1,115	4,812	0	0	0	0	
Primary Sludge	185,899	1,115	16,731	166,937	1,115	0	0	0	0	0	
Secondary Sludge	240,575	0	144,345	91,419	0	4,812	0	0	0	0	
Incineration	510,973	1,396	187,947	314,668	1,396	5,567	0	0	0	0	
Primary Sludge	232,622	1,396	20,936	208,895	1,396	0	0	0	0	0	
Secondary Sludge	278,351	0	167,011	105,773	0	5,567	0	0	0	0	
Digestion	236,599	646	87,026	145,702	646	2,578	0	0	0	0	
Struvite Harvesting	156,076	213	28,704	48,057	78,251	850	0	0	0	0	
Power Generation	198,822	543	73,131	122,439	543	2,166	0	0	0	0	
Solids, General	224,033	600	83,410	136,943	600	2,480	0	0	0	0	
Total Treatment	\$ 2,729,832	\$ 500,134	\$ 837,126	\$ 1,177,303	\$ 83,011	\$ 132,259	\$ -	\$ -	\$ -	\$ -	
Maintenance/Engineering											
Maintenance	\$ 2,379,896	\$ 741,548	\$ 617,403	\$ 458,218	\$ 10,691	\$ 383,540	\$ 123,755	\$ -	\$ 44,742	\$ -	
Engineering	908,224	282,992	235,615	174,867	4,080	146,368	47,228	0	17,075	0	
Total All Above	\$ 7,529,317	\$ 2,514,814	\$ 1,762,873	\$ 1,864,934	\$ 134,147	\$ 704,591	\$ 298,258	\$ 145,458	\$ 61,817	\$ 42,425	
Business Services & Information Systems											
	\$ 2,187,229	\$ 744,932	\$ 522,194	\$ 552,426	\$ 39,737	\$ 208,712	\$ 88,349	\$ -	\$ 13,082	\$ 17,797	
Total Salaries & Benefit Costs	\$ 9,716,546	\$ 3,259,746	\$ 2,285,067	\$ 2,417,360	\$ 173,883	\$ 913,304	\$ 386,607	\$ 145,458	\$ 74,898	\$ 60,222	
Power											
Metro Pump	\$ 208,058	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 208,058	\$ -	\$ -	\$ -	
Mill Pump	11,614	0	0	0	0	0	0	0	11,614	0	
Secondary Effluent Pump	13,356	13,356	0	0	0	0	0	0	0	0	
Process Air Compressors	595,333	0	386,966	0	0	208,367	0	0	0	0	
Solids Building	205,694	574	74,594	127,752	574	2,199	0	0	0	0	
Primary Sludge (40)	95,730	574	8,616	85,966	574	0	0	0	0	0	
Secondary Sludge (60)	109,964	0	65,978	41,786	0	2,199	0	0	0	0	
All Other Plant	503,345	156,837	130,580	96,912	2,261	81,118	26,174	0	9,463	0	
Total Power	\$ 1,537,400	\$ 170,767	\$ 592,140	\$ 224,664	\$ 2,836	\$ 291,684	\$ 234,232	\$ -	\$ 21,077	\$ -	
Fuel											
Fuel - Diesel for Generators	\$ 33,000	\$ 33,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Building	126,144	39,305	32,725	24,287	567	20,329	6,559	0	2,372	0	
Incineration & Process	168,305	470	61,035	104,530	470	1,800	0	0	0	0	
Primary Sludge (40)	78,329	470	7,050	70,340	470	0	0	0	0	0	
Secondary Sludge (60)	89,976	0	53,986	34,191	0	1,800	0	0	0	0	
Total Fuel	\$ 327,449	\$ 72,775	\$ 93,760	\$ 128,818	\$ 1,037	\$ 22,129	\$ 6,559	\$ -	\$ 2,372	\$ -	

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
Allocation of Operation and Maintenance Costs

Expenses are first allocated to cost components (Flow, BOD, TSS, PHOS, TKN) and then allocated to Municipal and Mill customers based on projected annual wastewater flows and loadings.

ITEM	Total	Common to All					Municipal Only		Mill Only	
		Flow	BOD	TSS	PHOS	TKN	Flow	Industry	Flow	Direct
Chemicals										
Sodium Hypochlorite	\$ 110,290	\$ 110,290	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Gravity Belt Polymer	75,960	0	45,576	28,865	0	1,519	0	0	0	0
Gravity Thickener Polymer	0	0	0	0	0	0	0	0	0	0
Belt Press Polymer	362,052	1,011	131,297	224,862	1,011	3,871	0	0	0	0
Primary Sludge (40)	168,499	1,011	15,165	151,312	1,011	0	0	0	0	0
Secondary Sludge (60)	193,553	0	116,132	73,550	0	3,871	0	0	0	0
Lime and Clay	0	0	0	0	0	0	0	0	0	0
Primary Sludge (40)	0	0	0	0	0	0	0	0	0	0
Secondary Sludge (60)	0	0	0	0	0	0	0	0	0	0
Sodium Bisulfite	56,000	56,000	0	0	0	0	0	0	0	0
Ferric Chloride	31,140	15,570	0	0	15,570	0	0	0	0	0
Odor Control	15,000	4,254	4,022	3,364	157	2,238	709	0	256	0
Magnesium Chloride	165,516	226	30,440	50,964	82,984	902	0	0	0	0
Sodium Hydroxide – Air Pollution	120,061	328	44,161	73,936	328	1,308	0	0	0	0
Sodium Hydroxide – Nutrient Removal	0	0	0	0	0	0	0	0	0	0
Activated Carbon	0	0	0	0	0	0	0	0	0	0
Aqua Ammonia	7,000	19	2,575	4,311	19	76	0	0	0	0
Other Chemicals	146,276	146,276	0	0	0	0	0	0	0	0
Total Chemicals	\$ 1,089,295	\$ 333,974	\$ 258,071	\$ 386,302	\$ 100,069	\$ 9,914	\$ 709	\$ -	\$ 256	\$ -
Maintenance & Repairs										
Maintenance & Repairs	\$ 1,625,373	\$ 506,448	\$ 421,661	\$ 312,944	\$ 7,302	\$ 261,942	\$ 84,519	\$ -	\$ 30,557	\$ -
All Other Expenses										
Solid Waste	\$ 283,828	\$ 793	\$ 102,929	\$ 176,279	\$ 793	\$ 3,035	\$ -	\$ -	\$ -	\$ -
Primary Sludge (40)	132,094	793	11,888	118,620	793	0	0	0	0	0
Secondary Sludge (60)	151,734	0	91,041	57,659	0	3,035	0	0	0	0
DNR Enviromental Fees	131,000	956	44,101	46,528	29,581	9,834	0	0	0	0
Other Miscellaneous	4,331,913	1,349,774	1,123,803	834,053	19,460	698,123	225,259	0	81,440	0
Biogas Treatment	19,500	53	7,173	12,009	53	212	0	0	0	0
Total All Other	\$ 4,766,241	\$ 1,351,576	\$ 1,278,006	\$ 1,068,869	\$ 49,887	\$ 711,204	\$ 225,259	\$ -	\$ 81,440	\$ -
Total Treatment Plant O & M	\$ 19,062,304	\$ 5,695,286	\$ 4,928,705	\$ 4,538,957	\$ 335,013	\$ 2,210,177	\$ 937,887	\$ 145,458	\$ 210,600	\$ 60,222
Field Services O & M										
Pretreatment	\$ 190,161	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190,161	\$ -	\$ -
Municipal Interceptors	891,729	0	0	0	0	0	891,729	0	0	0
Mill Interceptors	2,448	0	0	0	0	0	0	0	2,448	0
Fox River Fiber Force Main	19,493	0	0	0	0	0	0	0	0	19,493
Municipal Metering Stations	241,532	0	0	0	0	0	241,532	0	0	0
Mill Metering Stations	26,441	0	0	0	0	0	0	0	0	26,441
Municipal Lift Stations	346,453	0	0	0	0	0	346,453	0	0	0
Subtotal	\$ 1,718,257	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,479,714	\$ 190,161	\$ 2,448	\$ 45,934
All Other (Field Services Salaries after distribution)	413,117	0	0	0	0	0	355,765	45,720	589	11,044
Total Interceptor System O & M	\$ 2,131,374	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,835,479	\$ 235,881	\$ 3,037	\$ 56,978
Total O & M Costs	\$ 21,193,678	\$ 5,695,286	\$ 4,928,705	\$ 4,538,957	\$ 335,013	\$ 2,210,177	\$ 2,773,365	\$ 381,339	\$ 213,636	\$ 117,200
Distribution to Participants										
MUNICIPAL	\$ 19,693,940	\$ 5,090,674	\$ 4,810,048	\$ 4,124,940	\$ 333,452	\$ 2,180,123	\$ 2,773,365	\$ 381,339	\$ -	\$ -
FOX RIVER FIBER	42,377	0	0	0	0	0	0	0	0	42,377
PROCTER & GAMBLE	1,457,361	604,612	118,658	414,017	1,561	30,054	0	0	213,636	74,822
Total	\$ 21,193,678	\$ 5,695,286	\$ 4,928,705	\$ 4,538,957	\$ 335,013	\$ 2,210,177	\$ 2,773,365	\$ 381,339	\$ 213,636	\$ 117,200

Note: Other Miscellaneous summarizes expenses of contracted services, office & administrative, equipment, plant and property insurance, supplies employee training, & development, and travel & meetings.

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
Interceptor System O & M

Account Name	Maintenance	Field Services	Procter & Gamble Meter Station	Procter & Gamble Interceptor	Fox River Fiber Force Main	Total
Salaries - Procter & Gamble (P&G) Interceptor	\$ -	\$ 1,177		\$ 1,177		\$ 1,177
Benefits - P&G Interceptor	-	371		371		371
Salaries - P&G Meter Station	2,831	10,592	13,423			13,423
Benefits - P&G Meter Station	891	3,335	4,226			4,226
Salaries - Fox River Fiber - Force Main	-	4,708			4,708	4,708
Benefits - Fox River Fiber - Force Main	-	1,482			1,482	1,482
Salaries - Fox River Fiber - Meter Station	600	8,238			8,838	8,838
Benefits - Fox River Fiber - Meter Station	189	2,594			2,783	2,783
Repair & Maintenance (R & M) - P&G Interceptor			-	900		900
R & M - P&G Meter Station			7,352			7,352
Phones - P&G			1,440			1,440
Power - P&G			-			-
R & M - Force Main					1,610	1,610
R & M - Meter Station					72	72
Chemicals					-	-
Total	\$ 4,511	\$ 32,497	\$ 26,441	\$ 2,448	\$ 19,493	\$ 48,382

Account Name	Maintenance	Field Services	GBMSD Meter Stations	GBMSD Interceptors	Lift Station	Pretreatment
Salaries - Pretreatment	\$ -	\$ 134,619				\$ 134,619
Salaries - GBMSD Interceptors	3,282	87,799		91,081		
Salaries - GBMSD Meter Stations	-	91,800	91,800			
Salaries - East Bayshore Lift Stations	28,137	39,545			67,682	
Salaries - East River Lift Station	12,715	14,123			26,838	
Salaries - Old Plank Lift Station	3,370	7,297			10,667	
Salaries - Interplant Force Main	-	12,240		12,240		
Salaries - Chemical Feed Building	-	2,354	2,354			
Benefits - Pretreatment	-	42,382				42,382
Benefits - GBMSD Interceptors	1,033	27,642		28,675		
Benefits - GBMSD Meter Stations	-	28,901	28,901			
Benefits - East Bayshore Lift Stations	8,858	12,450			21,308	
Benefits - East River Lift Station	4,003	4,446			8,449	
Benefits - Old Plank Lift Station	1,061	2,297			3,358	
Benefits - Interplant Force Main	-	3,853		3,853		
Benefits - Chemical Feed Building	-	741	741			
Pretreatment Program						13,160
R & M - East Bayshore System Lift Stations					39,390	
R & M - East Bayshore Force Main					1,300	
R & M - East River Lift Station					11,596	
R & M - GBMSD Interceptors - Field Services				47,100		
R & M - GBMSD Interceptors - Engineering				705,000		
R & M - Old Plank Lift Station					7,500	
R & M - Interplant Force Main				3,780		
R & M - GBMSD Meter Stations			62,580			
R & M - Chemical Feed Building			1,396			
Phones - Meter/Lift Stations			34,360			
Phones - Chemical Feed Building			-			
Power - Meter Stations			18,000			
Power - Chemical Feed Building			1,400			
Power - Old Plank Lift Station					1,425	
Power - East Bayshore Lift Stations					25,500	
Power - East River Lift Station					33,000	
Water - East River Lift Station					1,500	
Chemicals - Old Plank Lift Station					4,500	
Chemicals - De Pere Conveyance					47,320	
Chemicals - Chemical Feed Building					-	
Chemicals - Bayshore Interceptor					35,120	
Total			\$ 241,532	\$ 891,729	\$ 346,453	\$ 190,161

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
Salaries and Benefits before Distribution

Description	Commission	Business Services	Laboratory & Research	Treatment	Maintenance	Engineering	Information Technology	Field Services	Environmental Programs	Total
Gross Salaries	\$ 2,500	\$ 1,123,328	\$ 578,670	\$ 2,012,792	\$ 1,793,289	\$ 707,190	\$ 560,314	\$ 744,185	\$ 585,667	\$ 8,107,933
Long Term Disability	-	4,936	2,841	9,478	8,892	3,462	2,824	3,527	2,802	38,763
Dental Insurance	-	10,296	6,772	20,986	22,096	7,153	6,773	4,905	3,143	82,124
Health Insurance	-	153,589	100,262	279,419	300,787	75,364	78,226	75,364	44,074	1,107,085
Life Insurance	-	3,732	984	5,386	6,178	2,716	2,653	1,720	1,365	24,734
Wisconsin Retirement	-	68,178	35,375	125,580	113,407	45,518	36,112	46,865	35,524	506,558
FICA & Medicare	191	81,791	44,268	152,197	137,187	53,600	42,864	56,930	44,803	613,831
Worker's Compensation	6	4,469	16,724	58,170	51,826	13,221	1,289	21,507	5,852	173,064
Uniforms	-	-	2,238	12,492	13,204	-	-	3,100	-	31,034
Employee Assistance	-	3,158	-	-	-	-	-	-	-	3,158
Wellness Program	-	-	-	53,332	-	-	-	-	-	53,332
Totals	\$ 2,697	\$ 1,453,477	\$ 788,134	\$ 2,729,832	\$ 2,446,866	\$ 908,224	\$ 731,055	\$ 958,103	\$ 723,230	\$ 10,741,619

Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
Salaries and Benefits after Distribution to Interceptors & Meter Stations

Description	Commission	Business Services	Laboratory Services	Treatment	Maintenance	Engineering	Information Technology	Field Services	Environmental Programs	Total
Gross Salaries	\$ 2,500	\$ 1,123,328	\$ 578,670	\$ 2,012,792	\$ 1,742,354	\$ 707,190	\$ 560,314	\$ 329,693	\$ 585,667	\$ 7,642,508
Long Term Disability	-	4,936	2,841	9,478	8,648	3,462	2,824	1,545	2,802	36,536
Dental Insurance	-	10,296	6,772	20,986	21,580	7,153	6,773	707	3,143	77,410
Health Insurance	-	153,589	100,262	279,419	293,832	75,364	78,226	18,768	44,074	1,043,534
Life Insurance	-	3,732	984	5,386	6,023	2,716	2,653	456	1,365	23,315
Wisconsin Retirement	-	68,178	35,375	125,580	110,225	45,518	36,112	7,336	35,524	463,848
FICA & Medicare	191	81,791	44,268	152,197	133,290	53,600	42,864	35,880	44,803	588,884
Worker's Compensation	6	4,469	16,724	58,170	50,739	13,221	1,289	15,633	5,852	166,103
Uniforms	-	-	2,238	12,492	13,204	-	-	3,100	-	31,034
Employee Assistance	-	3,158	-	-	-	-	-	-	-	3,158
Wellness Program	-	-	-	53,332	-	-	-	-	-	53,332
Totals	\$ 2,697	\$ 1,453,477	\$ 788,134	\$ 2,729,832	\$ 2,379,896	\$ 908,224	\$ 731,055	\$ 413,117	\$ 723,230	\$ 10,129,662

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
Employees Headcount Report

DIVISIONS AND DEPARTMENTS	DEPARTMENT	2018 BUDGET HEADCOUNT	2019 BUDGET HEADCOUNT
Business Services including Non-Departmental *		13	13
Laboratory & Research		8	8
Treatment including Health and Safety		25	24
Maintenance		24	23
Engineering		7	7
Information Technology		6	6
Field Services		9	9
Watershed Management		4	5
Regulatory Compliance		1	1
Total Headcount without Commissioners **		97	96
Commissioners		5	5

Positions Changes

Division	Department	
Operations	Maintenance	Eliminated Maintenance Mechanic Position
Operations	Treatment	Eliminated Operations Project Coordinator
Environmental Programs	Watershed Management	Added Grant and Contract Specialist

Notes:

* Non-Departmental Division includes Executive Director & Human Resources

** Total Full-Time and Part-Time positions

Divisions and Departments classification for referencing

<u>BUSINESS SERVICES</u>	<u>TECHNICAL SERVICES</u>	<u>OPERATIONS</u>	<u>ENVIRONMENTAL PROGRAMS</u>	<u>NON-DEPARTMENTAL</u>
Accounting	Engineering	Maintenance	Watershed Management	Commission
Public Affairs and Education	Field Services	Treatment	Regulatory Compliance	District Wide
Information Technology		Health and Safety	Laboratory & Research	Executive Director and HR
Administrative Services			Sustainability	Procter & Gamble
				Fox River Fiber

Definition of Positions

Regular Full-time Employee – Individuals who work 40 hours per week for an extended period of time and have successfully completed a probationary period.

Regular Part-time Employee – Individuals who work less than 40 hours per week for an extended period of time.

NEW Water
Green Bay Metropolitan Sewerage District
2019 Adopted Budget - December 5, 2018
OUT-OF-AREA TRAVEL - Outside EPA Region 5 (Wisconsin, Minnesota, Illinois, Ohio, Indiana, Michigan)

Title	Division	Event
Director of Business Services	Business Services	National Association of Clean Water Agencies (NACWA) Winter Conference - Albuquerque, NM
Accounting Manager	Business Services	Institute of Management Accountants (IMA) Conference, TBD
Public Affairs & Education Coordinator	Business Services	Public Relations Society of America (PRSA) - Communication Conference, TBD
Information Technology Manager	Business Services	Microsoft Ignite Conference, Orlando, FL
System Administrator	Business Services	Microsoft Ignite Conference, Orlando, FL
System Administrator	Business Services	System Administration, Network and Security Institute (SANS) Cybersecurity Training, Scottsdale, AZ
Project Manager	Technical Services	Water Environment Federation (WEF) Residuals & Biosolids Conference, Fort Lauderdale, FL
Director Of Technical Services	Technical Services	Water Environment Federation (WEF) Research Forum - Austin, TX
Pretreatment Coordinator	Technical Services	National Association of Clean Water Agencies (NACWA) Pretreatment Seminar, TBD
Treatment Manager	Operations	Water Environment Federation (WEF) Residuals & Biosolids Conference, Fort Lauderdale, FL
Treatment Leader	Operations	Water Environment Federation (WEF) Residuals & Biosolids Conference, Fort Lauderdale, FL
Treatment Leader	Operations	Water Environment Federation (WEF) Nutrient Removal and Recovery Conference, TBD
Treatment Manager	Operations	Water Environment Federation (WEF) Utility Management Conference, Nashville, TN
Executive Director	Non-Departmental	National Association of Clean Water Agencies (NACWA) Winter Conference - Albuquerque, NM
Executive Director	Non-Departmental	US Water Alliance Conference, Austin, TX
Executive Director	Non-Departmental	National Association of Clean Water Agencies (NACWA) Environmental Policy - Washington, DC
Executive Director	Non-Departmental	National Association of Clean Water Agencies (NACWA) Leadership Meeting - Miami, FL
Executive Director	Non-Departmental	Environmental Protection Agency (EPA) Meeting - Washington, DC
Executive Director	Non-Departmental	Other Meetings - TBD
Commissioner	Non-Departmental	National Association of Clean Water Agencies (NACWA) Winter Conference - Albuquerque, NM
Watershed Programs Manager	Environmental Programs	Healthy Soils for Healthy Waters - Ames, Iowa
Water Specialist	Environmental Programs	International Association of Great Lakes Research, (IAGLR), Brock Port, NY
Water Resources Specialist	Environmental Programs	International Association of Great Lakes Research, (IAGLR), Brock Port, NY
Water Resources Specialist	Environmental Programs	Global Lake Ecological Observatory Network - TBD

**GREEN BAY METROPOLITAN SEWERAGE DISTRICT
2019 BUDGET: 5-YEAR CAPITAL INVESTMENT PLAN**

2019 Budget - Adopted - December 5, 2018	2019	2020	2021	2022	2023
<u>MAJOR CAPITAL: WASTEWATER TREATMENT FACILITIES</u>					
GBF: Blower System Efficiency Upgrade	-	-	-	205,000	4,635,000
GBF: R2E2 Solids Management Project	3,135,000	-	-	-	-
GBF: Metro & Mill Pumping and Plant Drain Systems Upgrades	-	100,000	340,000	5,905,000	5,925,000
GBF: Gravity Belt Thickener Replacement	281,000	4,436,000	-	-	-
GBF: Reclaimed Water System ** See Notes **	1,690,000	1,700,000	-	-	-
DPF: Service Water System Rehabilitation/Replacement	100,000	1,320,000	-	-	-
DPF: Primary Substation & Emergency Generator	14,079,000	-	-	-	-
GBF & DPF: Clarifier Rehabilitation	600,000	4,530,000	5,330,000	8,330,000	-
GBF: Primary Clarifier Odor Control	-	-	330,000	7,375,000	-
GBF & DPF: Headworks Upgrades	-	-	340,000	3,850,000	5,750,000
GBF: Maintenance Building Addition	-	300,000	1,250,000	1,950,000	-
Interplant Wastewater Force Main - Phase 2	-	-	-	36,000	848,000
DPF: Tertiary Filter Replacement	351,000	3,516,000	4,212,000	-	-
TOTAL WASTEWATER TREATMENT FACILITIES	20,236,000	15,902,000	11,802,000	27,651,000	17,158,000
<u>MAJOR CAPITAL: INTERCEPTORS</u>					
Ninth Street Interceptor Rehabilitation ** See Notes **	125,000	2,966,000	-	-	-
East River Interceptor Rehabilitation ** See Notes **	55,000	3,766,000	-	-	-
West Fox River Interceptor Relay and Rehabilitation	-	-	-	209,000	4,956,000
Ninth Street Interceptor Extension - American Drive	-	1,250,000	-	-	-
Fox River Crossing Rehabilitation	-	67,000	1,588,000	-	-
East Fox River Interceptor Rehabilitation	-	119,000	2,815,000	-	-
West Tower Drive Interceptor Rehabilitation	-	-	-	-	70,000
East Bayshore System Relief & Replacement	-	-	-	-	150,000
East Tower Drive Interceptor Rehabilitation - Phase 1	-	-	-	-	60,000
East River Lift Station - Upsizing & Rehabilitation	-	-	77,000	1,823,000	-
East Bayshore Lift Stations - Replacement	-	-	35,000	520,000	-
TOTAL INTERCEPTORS, METER STATIONS & LIFT STATIONS	180,000	8,168,000	4,515,000	2,552,000	5,236,000
<u>DEPARTMENT ANNUAL CAPITAL INVESTMENTS</u>					
<u>MAINTENANCE SECTION</u>					
GBF: Replace MCC - Administration Building ADP-1,-2; MCC-A1, -A2	330,000	-	-	-	-
GBF: Replace MCC - South Plant MCC-N1, -N2, -N3	370,000	-	-	-	-
DPF: Replace outdated MCCs	-	125,000	-	-	-
DPF: Replace diffuser socks in aeration system (10-year rotation)	-	-	57,000	-	-
GBF: Replace Air Handling Units	-	432,000	527,000	230,000	-
DPF: Replace roof - Sludge Control Tank Building	-	-	79,000	-	-
Vehicle ID# 107 Replacement (Field Services)	-	-	-	63,000	-
Vehicle ID# 111 Replacement (Field Services)	-	40,000	-	-	-
DPF: Actuated Slide Gates & Basin Drains	-	-	200,000	-	-
GBF: Air Compressor Replacement	-	-	400,000	-	-
DPF: Air Handling Unit Replacement	250,000	-	-	-	-
GBF: Power Roof Vent Replacement	-	375,000	-	-	-
DPF: Power Roof Vent Replacement	-	125,000	-	-	-
GBF: Tunnel Unit Heater Replacement Phase 2	-	50,000	-	-	-
GBF: Tunnel Unit Heater Replacement Phase 3	-	-	50,000	-	-
DPF: Tunnel Unit Heater Replacement	-	-	-	50,000	-
GBF: Transformer Replacement Project	-	125,000	-	-	-

**GREEN BAY METROPOLITAN SEWERAGE DISTRICT
2019 BUDGET: 5-YEAR CAPITAL INVESTMENT PLAN**

2019 Budget - Adopted - December 5, 2018	2019	2020	2021	2022	2023
GBF: SW Pump Replacement	-	-	400,000	-	-
GBF: Perimeter Fence Replacement	-	141,000	-	-	-
Maintenance Section subtotal	950,000	1,413,000	1,713,000	343,000	-
INFORMATION TECHNOLOGY SECTION					
GBF: Fiber Optic Network Enhancement/Upgrade	-	-	80,000	-	-
GBF: Building Network Cabling Enhance/Upgrade	-	-	45,000	-	-
GBF: County Wide Radio Communications	-	-	-	-	50,000
GBF: County Wide Radio Communications Phase II	-	-	-	-	50,000
GBF: Replace PLC Input/Output Hardware	125,000	125,000	125,000	125,000	-
GBF: Laboratory Information Management System	-	-	-	-	450,000
GBF & DPF: Telephone System	-	150,000	-	-	-
GBF & DPF: Disaster Recovery/Backup System	-	-	-	-	75,000
GBF: eDocs, Imaging/ Management/Collaboration	-	-	-	-	90,000
Information Technology Section subtotal	125,000	275,000	250,000	125,000	715,000
ENGINEERING SECTION					
Meter Station #1 Flow Tube and Flow Meter Replacement	-	90,000	-	-	-
MS 6, 8, & 9 Rehabilitation	435,000	-	-	-	-
Annual Manhole Rehabilitation	50,000	50,000	50,000	50,000	50,000
Administration Building Office Space Upgrades	1,350,000	-	-	-	-
0	-	-	-	-	-
Engineering Services Section subtotal	1,835,000	140,000	50,000	50,000	50,000
WATERSHED MANAGEMENT SECTION					
Watershed Management Section subtotal	-	-	-	-	-
FIELD SERVICES SECTION					
MS-05 Flow Tube Replacement	-	100,000	-	-	-
Lift Station alarm notification system	-	-	-	-	200,000
ERLS - Grinder system	-	250,000	-	-	-
Field Services Section subtotal	-	350,000	-	-	200,000
LABORATORY & RESEARCH SECTION					
Automated BOD Analyzers	38,000	-	38,000	-	-
Laboratory Services Section subtotal	38,000	-	38,000	-	-
TOTAL ANNUAL CAPITAL INVESTMENTS	2,948,000	2,178,000	2,051,000	518,000	965,000
TOTAL CAPITAL INVESTMENTS	23,364,000	26,248,000	18,368,000	30,721,000	23,359,000

Notes:

Major Capital - Treatment Facilities GBF Reclaimed Water System project: Funded via contributed capital from Brown County and/or Industrial Customer.

Major Capital - Interceptors: Ninth Street Interceptor Rehabilitation project: \$100,000 overcollected in 2015 for anticipated Annual Capital project.

Major Capital - Interceptors: East River Interceptor Rehabilitation project: \$715,000 collected in 2018 Budget for anticipated project.

This 5-year report projects costs going forward. It does not capture actual expenditures from previous years and the totals do not accurately reflect the total capital costs of projects that are in progress.

Green Bay Metropolitan Sewerage District
2019 Budget – Adopted
Summary of Revenues and Expenses Legends

Revenues:

Favorable Revenue Variances: means more revenue than projected or budgeted. It is a positive occurrence to receive more revenues than anticipated.

Unfavorable Revenue Variances: means less revenue than projected or budgeted. It is usually a negative occurrence.

Municipal User Fees:	Volume, Biochemical Oxygen Demand, Suspended Solids, Phosphorus, Kjeldahl Nitrogen, Direct Charges, and Hauled Waste
Mill User Fees:	Volume, Biochemical Oxygen Demand, Suspended Solids, Phosphorus, Kjeldahl Nitrogen, Direct Charges from Procter & Gamble, and Fox River Fiber
Mill Direct Charges:	Daily Sample Pickup and Laboratory Testing, Inspection, Monitoring, Dewatering, O&M, and Diggers Hotline
Mill Capital Charges:	Capital and Debt Service Charges
General Reserve Interest:	Interest Income from General Fund Accounts (unrestrictive funds) other than Investment Accounts
Other Revenues:	Rate Stabilization Offsets, Interest Income Offsets, Hauled Waste Truck Fees, Sampling, Laboratory Analysis, Yacht Club Lease, and Interceptor Cost Recovery Leases
Rate Stabilization Reserve Transfers:	A designated expense allocated to rate stabilization funds due to prior year collection or expenses designated to be funded by this reserve
Interceptor Cost Recovery (ICR) Reserve Transfers:	GBMSD has agreements with various municipal customers in which the municipalities have agreed to reimburse GBMSD for the cost of interceptors owned by GBMSD whose capacity has been allocated to the municipalities. Annual repayments are sent to the municipalities. This transfer is to offset the debt payment of these interceptors

Green Bay Metropolitan Sewerage District

2019 Budget – Adopted

Summary of Revenues and Expenses Legends

Plant and Equipment Replacement Fund Reserve Transfers (PERF): Designated capital expenses allocated to be funded by this reserve.

General Fund Transfers: Designated expenses allocated to be paid by this fund.

Expenses:

Favorable Expense Variances: means less expenses than budgeted or projected.

Unfavorable Expense Variances: means more expenses than budgeted or projected.

Salaries & Benefits: Salaries, Opt-Out Incentive Payout, Health, Dental, & Life Insurances, Retirement, Social Security, Fringe Benefits, Workers Compensation, Uniforms, Employee Referral Services, Long Term Disability, Wellness, Employee Assistance, and Uniforms

Power: All Power for the facilities

Contracted Services: Contractors, Legal, Audits, Studies, Occupational Health, Custodial and Lawn Services, Environmental Programs, Sponsorship, Temporary Assistance, Recruitment, Consultants, Hazardous Waste Disposal, Class and Compensation, Household Hazardous Waste Disposal, Continuous Improvement/Lean, In District Sustainability, Risk Based Asset Management, Watershed Based Planning, Reg/Muni Environment Service, and Contingency

Maintenance & Repairs: Repair and Maintenance Building and Equipments, Small Tools, Fuel for GBMSD Vehicles and Boats, Freight, Water, Fire Protection, Equipment Leases and Rentals

Chemicals: Sodium Hypochlorite and Bisulfite, Polymer, Ferric Chloride, Lime, and Laboratory Chemicals for the facilities

Natural Gas & Fuel Oil: Diesel, Fuel, Natural Gas for Generators, Incineration, and Heating for the facilities

Green Bay Metropolitan Sewerage District
2019 Budget – Adopted

Summary of Revenues and Expenses Legends

Solid Waste Disposal:	Material (grit, screenings, ash, and dewatered sludge) hauled from GBMSD to landfill
Interceptor System:	Repair and Maintenance of Interceptors, Lift Stations, Meter Stations, Pretreatment, Power, Chemicals, Water, and Telephones
Office & Administrative:	Publishing, Postage, Data Processing, Employee Recognition, Public Information, Portable, Telephones, Safety Shoes and Glasses, Memberships and Dues, Publications and Subscriptions, Licenses and Permits, Meeting Expenses, Bank Service Charges, Bond Issuance Cost, Community Outreach, Education & Public Outreach (EPO)
Insurances:	Automobile, Property, Boiler and Machinery, Liability, Umbrella, Commercial Crime, and Public Officials
Supplies:	Employee Security Badges, Safety & First Aid Equipment and Supplies, Small Computer Hardware and Software, Other Office Supplies, such as: Calculators, Pens, Pencils, Paper, Binders, Folders, Dividers, Tape, Batteries, Toner & Ink Cartridges etc., Cleaning/Janitorial Supplies, Building/Grounds Supplies, Shipping Supplies, etc.
Employee Training & Development:	Employee Development (Registration), Training, and Tuition Fees
Travel and Meetings:	Travel Lodging, Transportation, Meals and Mileage Expenses
DNR Environmental Fees:	Annual Environmental Fee statement from the DNR, which includes: charges from our NR101 discharge (includes a charge for all pounds of parameters 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

Green Bay Metropolitan Sewerage District
2019 Budget – Adopted
Summary of Revenues and Expenses Legends

Debt Service and Annual Capital

Debt Service:	Principal and Interest incurred for Long Term Capital projects from Clean Water Fund Loans, General Obligation Bonds, and Promissory Notes to financial institutions, such as: DNR, Associated Bank, Board of Commissioners of Public Lands, etc.
Annual Capital:	Maintenance Equipment and Interceptor repairs for less than a year expenses and completion
R2E2 Construction – Rate Stabilization:	An amount collected in advance of the debt service being due for the Solids Project (R2E2) to provide a transition to the overall rate impact on the financing for this project. The funds will be segregated and used to pay subsequent debt service on the R2E2 Project. The amount collected brings the overall 2013 rate increase to within the 9% amount estimated in the planning for R2E2 Project