

2018 Adopted Budget December 6, 2017

NEW Water
Green Bay Metropolitan Sewerage District
2018 Adopted Budget - December 6, 2017
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Summary of Revenues and Expenses Legends

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DATES AND EVENTS

Thursday, July 27, 2017	First Discussion of 2018 Budget with Commission
August 2017	2018 Budget Meeting with Customers
Wednesday, August 23, 2017	2018 Budget First Budget Workshop and 2018 Tax Abatement Schedule
September 2017	2018 Budget Meeting with Customers
Wednesday, September 27, 2017	Second Budget Workshop
September & October 2017	Elected Officials Board Meetings
Wednesday, October 25, 2017	2018 Budget Third Budget Workshop as needed

Wednesday, December 6, 2017	2018 Budget Public Hearing and Adoption
	2018 Adopted Budget Distributed to Customers

NEW Water
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Municipal and Mill Rate Comparison

Municipal Rate Comparison

Parameter	2017 COS Rate (FRF Adjusted)	2018 COS Rate (FRF Adjusted)
Volume (1,000 GALS)	\$0.72126	\$0.69897
Biochemical Oxygen Demand (LBS)	\$0.41913	\$0.35126
Suspended Solids (LBS)	\$0.36651	\$0.28304
Phosphorus (LBS)	\$0.58901	\$0.75833
Total Kjeldahl Nitrogen (LBS)	\$0.76448	\$0.70556
Fixed Charge	\$0.78834	\$0.93605
Total Combined Rate (1,000 GALS)	\$3.19780	\$3.06315

Procter & Gamble Rate Comparison

Parameter	2017 COS Rate (FRF Adjusted)	2018 COS Rate (FRF Adjusted)
Volume (1,000 GALS)	\$0.58553	\$0.58847
Biochemical Oxygen Demand (LBS)	\$0.26840	\$0.28878
Suspended Solids (LBS)	\$0.20301	\$0.22148
Phosphorus (LBS)	\$0.43617	\$0.69239
Total Kjeldahl Nitrogen (LBS)	\$0.64142	\$0.64105

Fox River Fiber Rate Comparison - Excluding Fixed Charge

Parameter	2017 COS Rate (FRF Adjusted)	2018 COS Rate (FRF Adjusted)
Volume (1,000 GALS)	\$0.53436	\$0.44504
Biochemical Oxygen Demand (LBS)	\$0.40685	\$0.33742
Suspended Solids (LBS)	\$0.35735	\$0.27266
Phosphorus (LBS)	\$0.56875	\$0.72553
Total Kjeldahl Nitrogen (LBS)	\$0.73482	\$0.67474

Note: The Fixed Charge to be billed by City of De Pere.

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Summary of Revenues and Expenses

	2016 Budget	2016 Actual	2017 Budget	% of Overall Expenses	Projected 2017 Year-End	2018 Budget	% of Overall Expenses	2018 Budget Favorable/ (Unfavorable) Variance	% Variance
Revenues									
Municipal User Fees	\$32,499,871	\$ 33,927,996	\$ 33,599,315	85.9%	\$ 36,146,814	\$ 34,221,844	85.7%	\$ 622,529	1.9%
Mill User Fees	1,268,082	1,275,812	1,360,778	3.5%	1,404,238	1,441,121	3.6%	80,343	5.9%
Mill Direct Charges	110,809	140,042	233,462	0.6%	166,712	109,756	0.3%	(123,706)	-53.0%
Mill Capital Charges	1,232,508	1,232,508	1,044,650	2.7%	1,044,650	1,037,677	2.6%	(6,973)	-0.7%
General Reserve Interest	4,447	13,921	4,682	0.0%	38,574	2,175	0.0%	(2,507)	-53.5%
Other Revenues	844,152	843,887	769,457	2.0%	961,578	767,024	1.9%	(2,433)	-0.3%
	\$ 35,959,870	\$ 37,434,167	\$ 37,012,344	94.6%	39,762,566	\$ 37,579,596	94.2%	\$ 567,252	1.5%
DEBT and ICR Reserve Transfers	2,107,863	2,107,863	2,095,257	5.4%	2,095,257	2,334,123	5.8%	238,866	11.4%
Transfer From Rate Stabilization Fund	-	-	-	-	-	-	-	-	0.0%
General Fund Transfers	-	(1,955,128)	-	-	(4,136,268)	-	-	-	0.0%
	\$ 2,107,862	\$ 152,735	\$ 2,095,257	5.36%	\$ (2,041,011)	\$ 2,334,123	5.85%	\$ 238,866	11.4%
Total Revenues	\$ 38,067,732	\$ 37,586,902	\$ 39,107,601	100.0%	\$ 37,721,555	\$ 39,913,719	100.0%	\$ 806,118	2.1%
Expenses									
Salaries & Benefits	\$ 9,739,319	\$ 10,303,254	\$ 10,236,902	26.2%	\$ 9,578,176	\$ 10,401,955	26.1%	\$ (165,053)	-1.6%
Power	2,396,434	2,322,538	2,409,473	6.0%	2,410,034	1,923,964	4.8%	485,509	20.2%
Contracted Services	2,372,322	2,111,795	2,788,143	7.0%	2,281,668	3,588,058	9.0%	(799,915)	-28.7%
Maintenance & Repairs	1,580,896	1,561,665	1,582,415	4.0%	1,528,118	1,942,867	4.9%	(360,452)	-22.8%
Chemicals	564,123	557,429	548,890	1.4%	539,810	945,239	2.4%	(396,349)	-72.2%
Natural Gas & Fuel Oil	1,079,183	908,605	961,931	2.4%	937,727	487,404	1.2%	474,527	49.3%
Solid Waste Disposal	256,315	173,739	211,325	0.5%	187,875	180,686	0.5%	30,639	14.5%
Interceptor System (1)	514,560	428,684	652,855	1.6%	1,435,429	690,490	1.7%	(37,635)	-5.8%
Office & Administrative	476,555	451,045	529,641	1.3%	515,091	631,146	1.6%	(101,505)	-19.2%
Insurance	202,995	232,200	237,593	0.6%	239,037	250,375	0.6%	(12,782)	-5.4%
Supplies	130,626	189,145	149,838	0.4%	185,199	220,187	0.6%	(70,349)	-47.0%
Employee Training & Development	123,078	114,624	152,673	0.4%	144,211	175,094	0.4%	(22,421)	-14.7%
Travel and Meetings	71,343	61,578	80,868	0.2%	63,870	75,815	0.2%	5,053	6.2%
DNR Environmental Fees	145,000	143,118	146,000	0.4%	117,501	136,000	0.3%	10,000	6.8%
Total O & M Expenses	\$ 19,652,749	\$ 19,559,418	\$ 20,688,547	52.4%	\$ 20,163,746	\$ 21,649,280	54.2%	\$ (960,733)	-4.6%
Debt Service (2)	\$ 10,993,983	\$ 10,993,983	\$ 16,457,706	42.1%	\$ 16,457,706	\$ 15,253,439	38.2%	\$ 1,204,267	7.3%
Annual Capital	1,971,000	1,583,501	1,961,348	5.0%	1,100,103	3,011,000	7.5%	(1,049,652)	-53.5%
R2E2 Construction (Rate Stabilization)	5,450,000	5,450,000	-	0.0%	-	-	0.0%	-	0.0%
Total Debt Service, Annual Capital & Rate Stabilization	\$ 18,414,983	\$ 18,027,484	\$ 18,419,054	47.1%	\$ 17,557,809	\$ 18,264,439	45.8%	\$ 154,615	0.8%
Total Expenses	\$ 38,067,732	\$ 37,586,902	\$ 39,107,601	100.0%	\$ 37,721,555	\$ 39,913,719	100.0%	\$ (806,118)	-2.1%

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 2018 reflects collection and payments for 2019 Debt Payments.

NEW Water
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Flow and Load Projections - with FRF Adjustment

	1,000 gal	VOLUME	BOD		TSS		PHOS		TKN		Fixed Charge	65.0%
	Gallons	Amount	Pounds	Amount	Pounds	Amount	Pounds	Amount	Pounds	Amount	Amount	Total Amount
City of Green Bay	4,900,000	\$ 3,425,789	7,908,168	\$ 2,778,103	7,045,361	\$ 1,994,192	187,671	\$ 142,327	1,401,479	\$ 988,958	\$ 5,125,065	\$ 14,454,434
City of De Pere	1,325,000	926,361	3,685,004	1,294,525	2,277,122	644,540	26,966	20,451	269,101	189,892	1,412,393	4,488,162
Fox River Fiber	310,000	137,962	1,138,072	384,011	700,072	190,879	20,232	14,679	204,572	138,034	576,090	1,441,655
Village of Allouez	738,000	515,966	706,269	248,109	992,515	280,932	21,085	15,991	153,233	108,129	615,022	1,784,148
Village of Ashwaubenon	1,432,500	1,001,519	2,081,630	731,267	2,480,799	702,191	55,612	42,175	299,917	211,637	1,446,235	4,135,024
Village of Bellevue	635,000	443,954	812,282	285,351	840,005	237,764	22,672	17,194	174,318	123,008	612,044	1,719,315
Village of Hobart	182,000	127,244	272,027	95,562	342,932	97,067	7,643	5,796	62,144	43,852	209,895	579,416
Village of Howard	870,000	608,252	773,692	271,794	1,753,448	496,314	24,567	18,631	307,043	216,666	888,599	2,500,257
Village of Luxemburg	170,000	118,854	47,780	16,785	45,104	12,767	1,988	1,508	17,342	12,237	72,258	234,408
Village of Pulaski	195,000	136,332	40,940	14,382	50,688	14,347	8,772	6,653	46,128	32,550	138,604	342,869
Village of Suamico	192,000	134,235	392,833	138,000	440,253	124,614	10,453	7,927	64,151	45,268	258,329	708,374
Town of Ledgeview Sanitary District #2	167,000	116,756	224,608	78,904	256,715	72,663	7,537	5,716	57,994	40,924	185,473	500,436
Town of Lawrence - Utility District	102,000	71,312	197,548	69,398	314,205	88,936	5,743	4,355	44,042	31,078	155,096	420,176
Pittsfield Sanitary District	12,600	8,809	15,690	5,512	24,831	7,028	467	354	3,594	2,536	13,376	37,616
Town of Scott Sanitary District #1	57,500	40,201	71,260	25,033	112,776	31,921	2,119	1,607	16,324	11,519	60,796	171,078
Dyckesville Sanitary District	29,000	20,275	35,412	12,440	56,043	15,863	1,053	799	8,112	5,724	30,301	85,402
New Franken Sanitary District	14,784	10,336	18,414	6,469	29,142	8,249	548	416	4,218	2,976	15,697	44,143
Royal Scott Sanitary District	29,000	20,275	35,182	12,359	61,570	17,427	1,136	862	8,552	6,035	31,822	88,780
Bayshore Sanitary District	22,250	15,556	29,419	10,335	46,559	13,179	875	664	6,739	4,755	24,790	69,278
Hauled Waste	31,090	48,646	311,500	158,174	425,000	161,737	6,965	6,233	49,000	42,083	-	416,872
Total Municipal	11,414,724	\$ 7,928,635	18,797,730	\$ 6,636,513	18,295,140	\$ 5,212,610	414,104	\$ 314,335	3,198,003	\$ 2,257,864	\$ 11,871,886	\$ 34,221,844
Procter & Gamble	1,550,000	\$ 912,128	500,000	\$ 144,389	1,600,000	\$ 354,373	2,000	\$ 1,385	45,000	\$ 28,847	\$ -	\$ 1,441,121
Fox River Fiber-Direct Bill	0	-	0	-	0	-	0	-	0	-	-	-
Total Mill	1,550,000	\$ 912,128	500,000	\$ 144,389	1,600,000	\$ 354,373	2,000	\$ 1,385	45,000	\$ 28,847	\$ -	\$ 1,441,121
Grand Total												
Units	12,964,724		19,297,730		19,895,140		416,104		3,243,003			
Costs		\$ 8,840,763		\$ 6,780,902		\$ 5,566,983		\$ 315,720		\$ 2,286,712	\$ 11,871,886	\$ 35,662,965

NEW Water
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User Fees by Source

	2018 Budget	2017 Budget	2016 Actual	2015 Actual	2014 Actual
City of Green Bay	\$14,454,434	\$13,663,407	\$13,827,312	\$12,487,909	\$11,665,027
City of De Pere	4,488,162	4,962,153	5,037,348	4,977,851	5,936,369
Fox River Fiber *	1,441,655	1,585,824	1,084,874	1,391,549	N/A
Village of Allouez	1,784,148	1,856,262	1,749,897	1,707,690	1,680,020
Village of Ashwaubenon	4,135,024	4,059,492	3,977,249	3,739,334	3,550,124
Village of Bellevue	1,719,315	1,699,626	1,593,290	1,637,450	1,508,969
Village of Hobart	579,416	470,722	459,957	383,540	317,342
Village of Howard	2,500,257	2,366,053	2,408,423	1,992,062	1,953,137
Village of Luxemburg	234,408	213,126	174,364	159,572	202,835
Village of Pulaski	342,869	328,416	317,468	281,687	299,117
Village of Suamico	708,374	710,252	669,926	668,187	641,215
Town of Ledgeview Sanitary District #2	500,436	480,081	469,136	565,832	522,144
Town of Lawrence - Utility District	420,176	359,804	374,940	311,614	295,328
Pittsfield Sanitary District	37,616	37,351	38,741	39,288	35,568
Town of Scott Sanitary District #1	171,078	170,733	178,443	181,977	198,283
Dyckesville Sanitary District	85,402	85,251	87,100	67,928	69,362
New Franken Sanitary District	44,143	43,353	45,153	46,422	43,026
Royal Scott Sanitary District	88,780	81,494	84,184	75,002	89,538
Bayshore Sanitary District	69,278	70,618	70,015	54,530	58,437
Hauled Waste **	416,872	355,296	1,280,178	2,485,872	1,970,099
Total Municipal	\$34,221,844	\$33,599,315	\$33,927,998	\$33,255,295	\$31,035,940
Procter & Gamble	1,441,121	1,360,778	1,275,813	1,149,433	1,249,018
Total Mill	\$1,441,121	\$1,360,778	\$1,275,813	\$1,149,433	\$1,249,018
Total User Fees	\$35,662,965	\$34,960,093	\$35,203,811	\$34,404,729	\$32,284,958

* Fox River Fiber Units and Cost were included in 2014 Budget and prior with City of De Pere.

** Hauled Waste for 2014, 2015, & 2016 was significantly higher due to special projects with the three cheese facilities.

NEW Water
Green Bay Metropolitan Sewerage District
2018 Adopted Budget - December 6, 2017
Municipal Cost of Service

	<u>Total</u>	<u>VOLUME</u> 1,000 gal	<u>BOD</u> pounds	<u>TSS</u> pounds	<u>PHOS</u> pounds	<u>TKN</u> pounds	<u>Fixed Charge</u> N/A
Unit Value Units (2)		11,383,634	18,486,230	17,870,140	407,139	3,149,003	11,383,634
Cost of Service							
Municipal							
Operating Cost	\$ 19,053,747	\$ 7,458,069	\$ 5,337,807	\$ 3,957,531	\$ 281,874	\$ 2,018,466	\$ -
Pretreatment Cost Allocation	241,163	0	118,531	79,088	5,196	38,347	0
Capital Cost (2)	6,122,406	408,019	343,098	220,425	6,421	135,454	5,008,989
Solids Project	8,388,408	14,115	679,165	793,998	14,622	23,611	6,862,897
Total Cost	\$ 33,805,724	\$ 7,880,203	\$ 6,478,601	\$ 5,051,042	\$ 308,114	\$ 2,215,879	\$ 11,871,886
Unit Operating Cost		\$0.65516	\$0.29516	\$0.22589	\$0.70509	\$0.65316	\$0.00000
Unit Capital Cost		\$0.03708	\$0.05530	\$0.05677	\$0.05169	\$0.05051	\$0.93605
Unit Combined Cost (1)	\$3.05349	\$0.69224	\$0.35046	\$0.28265	\$0.75678	\$0.70368	\$0.93605
Fox River Fiber (FRF) Adjustment (3)	\$0.00966	\$0.00673	\$0.00080	\$0.00039	\$0.00155	\$0.00188	\$0.00000
Adjusted Unit Combined Cost	\$3.06315	\$0.69897	\$0.35126	\$0.28304	\$0.75833	\$0.70556	\$0.93605

(1) Combined rate based on a standard parts/million.

(2) Excludes Hauled Waste flows and loads.

(3) FRF Adjustment removes interceptor costs.

GBMSD MUNICIPAL BUDGET RATE HISTORY	UNIT COMBINED						
	COST (1)	VOLUME	BOD	SS	PHOS	TKN	Fixed Charge
2017	\$3.19780	\$0.72126	\$0.41913	\$0.36651	\$0.58901	\$0.76448	\$0.78834
2016	\$3.07421	\$0.79357	\$0.43068	\$0.41292	\$0.60597	\$0.64043	\$0.54580
2015	\$2.89731	\$0.80448	\$0.39331	\$0.34822	\$0.56768	\$0.65358	\$0.52659
2014	\$2.63618	\$0.76333	\$0.33466	\$0.29867	\$0.62124	\$0.68741	\$0.46763

NEW Water
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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		31,090	311,500	425,000	6,965	49,000	0
Cost of Service							
Operating Cost	\$240,687	\$20,369	\$89,954	\$94,130	\$4,823	\$31,411	\$0
Pretreatment Cost Allocation	0	0	0	0	0	0	0
Capital Cost	74,018	27,124	22,809	14,654	427	9,005	0
Solids Project	101,414	938	45,150	52,784	972	1,570	0
Direct Charges	0	0	0	0	0	0	0
FRF Adjustment	753	215	262	169	11	97	0
Total Cost	\$416,872	\$48,646	\$158,174	\$161,737	\$6,233	\$42,083	\$0

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Procter & Gamble Cost of Service

	<u>Total</u>	<u>VOLUME</u> 1,000 gal	<u>BOD</u> pounds	<u>TSS</u> pounds	<u>PHOS</u> pounds	<u>TKN</u> pounds	<u>Capital Charge</u> N/A
Unit Value		1,550,000	500,000	1,600,000	2,000	45,000	1,550,000
Units							
Cost of Service							
Operating Cost	\$1,441,121	\$912,128	\$144,389	\$354,373	\$1,385	\$28,847	\$0
Pretreatment Cost Allocation	0	0	0	0	0	0	0
Capital Cost	379,586	0	0	0	0	0	379,586
Solids Project	658,090	0	0	0	0	0	658,090
Direct Charges	68,238	0	0	0	0	0	0
Total Cost	\$2,547,036	\$912,128	\$144,389	\$354,373	\$1,385	\$28,847	\$1,037,677
Unit Cost		\$0.58847	\$0.28878	\$0.22148	\$0.69239	\$0.64105	\$0.00000
Unit Capital Cost		\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.669
Unit Combined Cost		\$0.58847	\$0.28878	\$0.22148	\$0.69239	\$0.64105	\$0.66947

BUDGET RATE HISTORY	VOLUME	BOD	TSS	PHOS	TKN
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
2014	\$0.51836	\$0.24896	\$0.19362	\$0.50636	\$0.56970

NEW Water
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Fox River Fiber Cost of Service

	<u>Total</u>	<u>VOLUME</u> 1,000 gal	<u>BOD</u> pounds	<u>TSS</u> pounds	<u>PHOS</u> pounds	<u>TKN</u> pounds	<u>Fixed Charge</u> N/A
Unit Value							
Units		310,000	1,138,072	700,072	20,232	204,572	-
Total Municipal Units		11,383,634	18,486,230	17,870,140	407,139	3,149,003	-
Cost of Service							
Operating Cost	\$ 831,885	\$ 203,099	\$ 328,613	\$ 155,038	\$ 14,007	\$ 131,128	\$ -
Pretreatment Cost Allocation	13,145	-	7,297	3,098	258	2,491	-
Capital Cost	701,640	11,496	62,934	39,741	1,046	10,334	576,090
Solids Project	-	-	-	-	-	-	-
Subtotal Cost of Service	\$ 1,546,669	\$ 214,594	\$ 398,844	\$ 197,877	\$ 15,311	\$ 143,952	\$ 576,090
Direct Charges	41,526	-	-	-	-	-	-
Less FRF Adjustment	(105,014)	(76,633)	(14,832)	(6,998)	(632)	(5,919)	-
Total Cost	\$ 1,483,182	\$ 137,962	\$ 384,011	\$ 190,879	\$ 14,679	\$ 138,034	\$ 576,090
Unit Cost		\$0.69224	\$0.35046	\$0.28265	\$0.75678	\$0.70368	\$0.04853
FRF Adjustment		(0.2472)	(0.0130)	(0.0100)	(0.0312)	(0.0289)	0.0000
Unit Cost (with FRF Adjustment)		\$0.44504	\$0.33742	\$0.27266	\$0.72553	\$0.67474	\$0.04853

BUDGET RATE HISTORY	VOLUME	BOD	TSS	PHOS	TKN	Fixed Charge
2017	\$0.53436	\$0.40685	\$0.35735	\$0.56875	\$0.73482	\$0.05707
2016	\$0.63165	\$0.41777	\$0.40379	\$0.58647	\$0.61550	\$0.60376
2015	\$0.59821	\$0.38082	\$0.33967	\$0.55008	\$0.63145	\$0.52659

NEW Water
GREEN BAY METROPOLITAN SEWERAGE DISTRICT
2018 Adopted Budget - December 6, 2017
Allocation of Capital and Debt Service Costs (1)

	FY2018	Allocations	
		Municipal	Procter & Gamble (1)
Debt Service			
<u>Debt Service - Municipal Only</u>			
Clean Water Fund Loans			
4198-12 West Fox River Interceptor	\$142,813	\$142,813	\$0
4198-16 East River Lift Station	132,414	132,414	0
4198-18 Scott Bayshore Interceptor	45,753	45,753	0
4198-21 East Tower Drive Interceptor	182,867	182,867	0
4345-06 De Pere Ashwaubenon Creek Interceptor	217,321	217,321	0
4198-29 Phase Two Interceptor Rehabilitation	216,259	216,259	0
4198-45 De Pere Facility East Service Area Interceptor Rehabilitation	186,870	186,870	0
East River Interceptor Rehabilitation (2018 New)	259,014	259,014	0
Other General Obligation Debt			
2008 Sewerage System Improvement Bond	\$521,102	\$521,102	0
Total Debt Service - Municipal Only (2)	\$1,904,413	\$1,904,413	\$0
Debt Service - Common to All			
<u>Clean Water Fund Loans</u>			
4198-02 Bar Screen Replacement	\$100,709	\$94,167	\$6,542
4198-09 Service Water System	64,708	60,504	4,203
4198-24 Electrical Generation Facility	208,322	194,789	13,533
4198-25 RAS/WAS Improvements	663,173	620,093	43,080
4198-27 Solids Process Improvement	352,602	329,697	22,905
4198- 32 GBF: Administration & Maintenance Building HVAC Replacement *	211,428	197,693	13,734
4198-35 Combined Treatment Facilities Projects	300,777	281,239	19,539
4198-37 Consolidation/Conveyance Project	881,330	824,079	57,251
4198-44 R2E2 Solids Management *	603,519	560,102	43,416
4198-48 DPF: UV Disinfection System Upgrade *	98,662	92,253	6,409
4345-04 De Pere Facility	257,741	240,998	16,743
4198-99 Green Bay Facility Solids Management Plan Construction (R2E2)	7,676,144	7,123,931	552,213
4198-52 GBF: Disinfection System Upgrade *	0	0	0
DPF: Primary Substation & Emergency Generator (2017 New)	337,431	315,512	21,920
GBF & DPF: Clarifier Rehabilitation and Odor Control (2018 New)	102,400	95,748	6,652
DPF: Service Water System Rehabilitation/Replacement (2018 New)	157,266	147,050	10,216
Other General Obligation Debt			
2008 Sewerage System Improvement Bond	304,079	284,326	19,753
Promissory Note to City of De Pere	160,485	150,060	10,425
Green Bay Facility Solids Management Plan - Design	868,250	805,789	62,461
Total Debt Service - Common to All (2)	\$13,349,027	\$12,418,031	\$930,996
<u>Debt Service Offsets</u>			
Georgia-Pacific - Capital Payment	(\$429,710)	(\$429,710)	\$0
4198-29 City of De Pere Rehabilitation Interceptor Ashwaubenon Creek Payment	(53,472)	(53,472)	0
Less Debt Payments Funded from ICR Reserve **	(1,210,840)	(1,210,840)	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	(\$2,334,123)	(\$2,334,123)	\$0
TOTAL DEBT SERVICE	\$12,919,316	\$11,988,321	\$930,996
ANNUAL CAPITAL OUTLAY			
2018 Requests - Allocated to All	\$1,936,000	\$1,816,053	\$119,947
2018 Requests - Allocated to Municipal Only	1,075,000	1,075,000	0
TOTAL ANNUAL CAPITAL OUTLAY	\$3,011,000	\$2,891,053	\$119,947
TOTAL ANNUAL CAPITAL AND DEBT SERVICE	\$15,930,316	\$14,879,374	\$1,050,943
REVENUES AND TRANSFERS			
Interest Income	(\$2,175)	(\$2,175)	\$0
Hauled Waste Truck Fees	(\$40,517)	(\$37,885)	(\$2,632)
Miscellaneous Revenue - Capital ***	(\$163,701)	(\$153,067)	(\$10,634)
Total Non-Rate Revenues (Capital-Related)	(\$206,393)	(\$193,127)	(\$13,266)
Net Annual Capital and Debt Service	\$15,723,923	\$14,686,247	\$1,037,677

(1) Based on Revised Cost of Service Allocations from CDM Smith, Inc. June 2016 (Table 5). Debt Collection is for 2019 debt service payments.

(2) Total Debt Collected in 2018 Budget for 2019 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: 2015, 2016 and 2017 Payments for Debt Service over/under collected for these projects due to timing on submitting loan.

** 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
2018 Adopted Budget - December 6, 2017
Summary of Debt Service Schedule

Issue	Description	Original Amount	2018 Budget for 2019 Debt Payments	Loan Date	Last Payment
4198-16	East River Lift Station	1,924,428	132,414	10/25/2000	May 2020
4198-12	West Fox River Interceptor	2,159,850	142,813	10/25/2000	May 2020
4345-06	De Pere Ashwaubenon Creek Interceptor	3,222,103	217,321	12/31/2007	May 2020
4198-09	Service Water System	946,212	64,708	7/11/2001	May 2021
4198-02	Bar Screens Replacement	1,490,715	100,709	7/11/2001	May 2021
4198-18	Scott Bayshore Interceptor	695,592	45,753	2/27/2002	May 2021
4345-04	De Pere Facility	3,881,879	257,741	12/31/2007	May 2021
4198-27	Solids Process Improvement	5,347,693	352,602	12/8/2004	May 2024
4198-21	East Tower Drive Interceptor	2,761,526	182,867	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	10,000,000	825,181	9/15/2008	May 2028
4198-25	RAS/WAS Improvements	10,460,782	663,173	3/11/2009	May 2028
4198-35	Combined Treatment Facilities Projects	4,211,341	300,777	12/9/2009	May 2029
4198-37	Consolidation/Conveyance Project	12,821,922	881,330	12/9/2009	May 2029
4198-29	Phase Two Interceptor Rehabilitation	3,421,382	216,259	11/10/2010	May 2030
4198-24	Electrical Generator Project	3,246,148	208,322	12/22/2010	May 2030
4198-32	GBF: Administration & Maintenance Building HVAC Replacement *	3,133,312	211,428	4/10/2013	May 2032
4198-45	De Pere Facility East Service Area Interceptor Rehabilitation	3,146,593	186,870	12/12/2012	May 2032
4198-48	DPF: Disinfection System Upgrade *	4,272,020	98,662	1/8/2014	May 2033
4198-44	Green Bay Facility Solids Management Plan Construction (R2E2) *	15,209,242	603,519	8/13/2014	May 2034
4198-52	GBF: Disinfection System Upgrade *	1,850,000	-	12/23/2015	May 2035
4198-99	Green Bay Facility Solids Management Plan Construction (R2E2)	122,936,166	7,676,144	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		\$242,766,677	\$14,397,327		
(New)	DPF: Primary Substation & Emergency Generator (2017 New) *	3,480,000	337,431	3/1/2018	May 2038
(New)	GBF & DPF: Clarifier Rehabilitation and Odor Control (2018 New)	12,040,000	102,400	6/30/2019	May 2039
(New)	DPF: Service Water System Rehabilitation/Replacement (2018 New)	2,320,000	157,266	6/30/2019	May 2039
(New)	East River Interceptor Rehabilitation (2018 New)	3,821,000	259,014	6/30/2019	May 2039
Total New Debt		\$21,661,000	\$856,112		
Grand Total with New Debt		\$264,427,677	\$15,253,439		

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

NEW Water
Green Bay Metropolitan Sewerage District
2018 Adopted Budget - December 6, 2017
Annual Capital

Item Description	Common to All - Municipal Only Amount	
Business Services		
<u>Information Technology</u>		
GBF: HR/Payroll Software System	Common to All	\$ 50,000
GBF & DPF: Time and Attendance System	Common to All	40,000
GBF: Financial Software Replacement/Upgrade	Common to All	250,000
GBF: Campus Paging System	Common to All	125,000
Total Business Services		\$ 465,000
Operations		
<u>Maintenance</u>		
DPF: Replace roof - Service Building	Common to All	\$ 113,000
DPF: Replace roof - Blower Building No. 2	Common to All	158,000
GBF: Tunnel Unit Heater Replacement Phase 1	Common to All	50,000
DPF: Process Air Blowers - HST Upgrades Phase 2 (HST #4, 6)	Common to All	100,000
Total Operations		\$ 421,000
Technical Services		
<u>Engineering</u>		
DPF: Demolish Solids Building & MS11A	Common to All	\$ 1,000,000
Annual Manhole Rehabilitation	Municipal Only	50,000
East River Interceptor Abandoned Segments	Municipal Only	715,000
Total Engineering		\$ 1,765,000
<u>Field Services</u>		
Lift Station alarm notification system	Municipal Only	\$ 250,000
ERLS - Ozone unit replacement	Municipal Only	60,000
Total Field Services		\$ 310,000
Total Technical Services		\$ 2,075,000
Environmental Programs		
<u>Laboratory</u>		
Ion Chromatography	Common to All	\$ 50,000
Total Laboratory		\$ 50,000
Total Environmental Programs		\$ 50,000
Total Annual Capital Items		\$ 3,011,000

NEW Water
Green Bay Metropolitan Sewerage District
2018 Adopted Budget - December 6, 2017
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	\$ 575,847	\$ 80,619	\$ 69,102	\$ 51,826	\$ 34,551	\$ 40,309	\$ 120,928	\$ 138,203	\$ -	\$ 40,309	
Water Quality Testing	773,771	773,771	0	0	0	0	0	0	0	0	
Total Laboratory Services	\$ 1,349,618	\$ 854,389	\$ 69,102	\$ 51,826	\$ 34,551	\$ 40,309	\$ 120,928	\$ 138,203	\$ -	\$ 40,309	
Treatment											
Pump Station	\$ 115,918	\$ 115,918	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Primary Treatment	155,749	155,749	0	0	0	0	0	0	0	0	
Grit Removal	20,284	0	0	20,284	0	0	0	0	0	0	
Aeration	223,435	0	111,718	0	0	111,718	0	0	0	0	
Final & Chlorine Contact Basins	199,157	199,157	0	0	0	0	0	0	0	0	
Filtration	29,677	29,677	0	0	0	0	0	0	0	0	
Primary Thickeners	77,372	1,934	10,190	62,927	1,934	387	0	0	0	0	
Waste Activated Sludge Thickeners	165,798	0	98,086	64,396	0	3,316	0	0	0	0	
Dewatering - Belt Presses/Incineration	431,074	4,698	168,606	247,270	4,698	5,803	0	0	0	0	
Primary Sludge	187,904	4,698	24,747	152,822	4,698	940	0	0	0	0	
Secondary Sludge	243,170	0	143,859	94,447	0	4,863	0	0	0	0	
Incineration	516,485	5,878	197,416	300,510	5,878	6,803	0	0	0	0	
Primary Sludge	235,131	5,878	30,967	191,232	5,878	1,176	0	0	0	0	
Secondary Sludge	281,354	0	166,449	109,278	0	5,627	0	0	0	0	
Digestion	239,151	2,722	91,410	139,147	2,722	3,150	0	0	0	0	
Struvite Harvesting	157,759	898	30,150	45,895	79,777	1,039	0	0	0	0	
Power Generation	200,967	2,287	76,816	116,930	2,287	2,647	0	0	0	0	
Solids, General	226,450	2,462	88,688	129,787	2,462	3,051	0	0	0	0	
Total Treatment	\$ 2,759,278	\$ 521,381	\$ 873,080	\$ 1,127,146	\$ 99,759	\$ 137,913	\$ -	\$ -	\$ -	\$ -	
Maintenance/Engineering											
Maintenance	\$ 2,446,724	\$ 767,752	\$ 704,240	\$ 448,128	\$ 16,372	\$ 337,004	\$ 127,230	\$ -	\$ 45,998	\$ -	
Engineering	811,048	254,497	233,444	148,547	5,427	111,711	42,174	0	15,248	0	
Total All Above	\$ 7,366,668	\$ 2,398,019	\$ 1,879,866	\$ 1,775,647	\$ 156,109	\$ 626,937	\$ 290,332	\$ 138,203	\$ 61,246	\$ 40,309	
Business Services & Information Systems	\$ 1,974,313	\$ 654,972	\$ 513,448	\$ 484,983	\$ 42,638	\$ 171,235	\$ 79,298	\$ -	\$ 11,804	\$ 15,934	
Total Salaries & Benefit Costs	\$ 9,340,981	\$ 3,052,991	\$ 2,393,314	\$ 2,260,630	\$ 198,747	\$ 798,172	\$ 369,631	\$ 138,203	\$ 73,050	\$ 56,243	
Power											
Metro Pump	\$ 336,198	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 336,198	\$ -	\$ -	\$ -	
Mill Pump	21,770	0	0	0	0	0	0	0	21,770	0	
Secondary Effluent Pump	22,570	22,570	0	0	0	0	0	0	0	0	
Process Air Compressors	829,954	0	539,470	0	0	290,484	0	0	0	0	
Solids Building	387,458	3,875	157,943	216,341	3,875	5,424	0	0	0	0	
Primary Sludge (40)	154,983	3,875	20,411	126,048	3,875	775	0	0	0	0	
Secondary Sludge (60)	232,475	0	137,532	90,293	0	4,649	0	0	0	0	
All Other Plant	326,014	102,299	93,837	59,711	2,182	44,904	16,953	0	6,129	0	
Total Power	\$ 1,923,964	\$ 128,744	\$ 791,250	\$ 276,052	\$ 6,056	\$ 340,812	\$ 353,151	\$ -	\$ 27,899	\$ -	
Fuel											
Fuel - Diesel for Generators	\$ 33,000	\$ 33,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Building	156,954	49,250	45,176	28,747	1,050	21,618	8,162	0	2,951	0	
Incineration & Process	297,450	2,975	121,253	166,084	2,975	4,164	0	0	0	0	
Primary Sludge (40)	118,980	2,975	15,670	96,766	2,975	595	0	0	0	0	
Secondary Sludge (60)	178,470	0	105,583	69,318	0	3,569	0	0	0	0	
Total Fuel	\$ 487,404	\$ 85,225	\$ 166,429	\$ 194,831	\$ 4,025	\$ 25,783	\$ 8,162	\$ -	\$ 2,951	\$ -	

NEW Water
Green Bay Metropolitan Sewerage District
2018 Adopted Budget - December 6, 2017
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	\$ 92,630	\$ 92,630	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Gravity Belt Polymer	69,954	0	41,385	27,170	0	1,399	0	0	0	0
Gravity Thickener Polymer	0	0	0	0	0	0	0	0	0	0
Belt Press Polymer	323,774	3,238	131,983	180,782	3,238	4,533	0	0	0	0
Primary Sludge (40)	129,510	3,238	17,056	105,330	3,238	648	0	0	0	0
Secondary Sludge (60)	194,264	0	114,927	75,452	0	3,885	0	0	0	0
Lime and Clay	15,662	157	6,384	8,745	157	219	0	0	0	0
Primary Sludge (40)	6,265	157	825	5,095	157	31	0	0	0	0
Secondary Sludge (60)	9,397	0	5,559	3,650	0	188	0	0	0	0
Sodium Bisulfite	54,200	54,200	0	0	0	0	0	0	0	0
Ferric Chloride	26,630	13,315	0	0	13,315	0	0	0	0	0
Odor Control	10,000	2,945	2,924	2,029	125	1,314	487	0	176	0
Magnesium Chloride	94,304	537	18,023	27,435	47,689	621	0	0	0	0
Sodium Hydroxide – Air Pollution	31,959	364	12,216	18,595	364	421	0	0	0	0
Sodium Hydroxide – Nutrient Removal	47,250	269	9,030	13,746	23,894	311	0	0	0	0
Activated Carbon	0	0	0	0	0	0	0	0	0	0
Aqua Ammonia	93,044	1,059	35,564	54,136	1,059	1,226	0	0	0	0
Other Chemicals	85,832	85,832	0	0	0	0	0	0	0	0
Total Chemicals	\$ 945,239	\$ 254,544	\$ 257,510	\$ 332,638	\$ 89,840	\$ 10,044	\$ 487	\$ -	\$ 176	\$ -
Maintenance & Repairs										
Maintenance & Repairs	\$ 1,907,428	\$ 598,528	\$ 549,014	\$ 349,354	\$ 12,764	\$ 262,723	\$ 99,186	\$ -	\$ 35,860	\$ -
All Other Expenses										
Solid Waste	\$ 180,686	\$ 2,119	\$ 67,904	\$ 106,201	\$ 2,119	\$ 2,342	\$ -	\$ -	\$ -	\$ -
Primary Sludge (40)	84,778	2,119	11,165	68,950	2,119	424	0	0	0	0
Secondary Sludge (60)	95,908	0	56,739	37,251	0	1,918	0	0	0	0
DNR Environmental Fees	136,000	993	45,785	48,304	30,710	10,209	0	0	0	0
Other Miscellaneous	4,956,614	1,555,325	1,426,661	907,825	33,167	682,708	257,744	0	93,184	0
Biogas Treatment	19,500	222	7,453	11,346	222	257	0	0	0	0
Total All Other	\$ 5,292,800	\$ 1,558,659	\$ 1,547,803	\$ 1,073,676	\$ 66,218	\$ 695,516	\$ 257,744	\$ -	\$ 93,184	\$ -
Total Treatment Plant O & M	\$ 19,897,816	\$ 5,678,690	\$ 5,705,320	\$ 4,487,180	\$ 377,649	\$ 2,133,050	\$ 1,088,360	\$ 138,203	\$ 233,120	\$ 56,243
Field Services O & M										
Pretreatment	\$ 215,565	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 215,565	\$ -	\$ -
Municipal Interceptors	316,033	0	0	0	0	0	316,033	0	0	0
Mill Interceptors	2,295	0	0	0	0	0	0	0	2,295	0
Fox River Fiber Force Main	20,154	0	0	0	0	0	0	0	0	20,154
Municipal Metering Stations	341,059	0	0	0	0	0	341,059	0	0	0
Mill Metering Stations	20,364	0	0	0	0	0	0	0	0	20,364
Municipal Lift Stations	410,452	0	0	0	0	0	410,452	0	0	0
Subtotal	\$ 1,325,922	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,067,544	\$ 215,565	\$ 2,295	\$ 40,518
All Other (Field Services Salaries after distribution)	425,542	0	0	0	0	0	342,618	69,184	737	13,004
Total Interceptor System O & M	\$ 1,751,464	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,410,162	\$ 284,749	\$ 3,032	\$ 53,522
Total O & M Costs	\$ 21,649,280	\$ 5,678,690	\$ 5,705,320	\$ 4,487,180	\$ 377,649	\$ 2,133,050	\$ 2,498,522	\$ 422,952	\$ 236,152	\$ 109,765
Distribution to Participants										
MUNICIPAL	\$ 20,084,343	\$ 4,999,773	\$ 5,557,496	\$ 4,126,314	\$ 375,834	\$ 2,103,452	\$ 2,498,522	\$ 422,952	\$ -	\$ -
FOX RIVER FIBER	41,526	0	0	0	0	0	0	0	0	41,526
PROCTER & GAMBLE	1,523,411	678,917	147,824	360,866	1,815	29,598	0	0	236,152	68,238
Total	\$ 21,649,280	\$ 5,678,690	\$ 5,705,320	\$ 4,487,180	\$ 377,649	\$ 2,133,050	\$ 2,498,522	\$ 422,952	\$ 236,152	\$ 109,765

NEW Water
Green Bay Metropolitan Sewerage District
2018 Adopted Budget - December 6, 2017
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	\$ -	\$ 1,142		\$ 1,142		\$ 1,142
Benefits - P&G Interceptor	-	403		403		403
Salaries - P&G Meter Station	2,945	10,279	13,224			13,224
Benefits - P&G Meter Station	1,040	3,630	4,670			4,670
Salaries - Fox River Fiber - Force Main	-	4,569			4,569	4,569
Benefits - Fox River Fiber - Force Main	-	1,613			1,613	1,613
Salaries - Fox River Fiber - Meter Station	1,000	7,995			8,995	8,995
Benefits - Fox River Fiber - Meter Station	353	2,823			3,176	3,176
Repair & Maintenance (R & M) - P&G Interceptor			-	750		750
R & M - P&G Meter Station			1,030			1,030
Phones - P&G			1,440			1,440
Power - P&G			-			-
R & M - Force Main					1,606	1,606
R & M - Meter Station					195	195
Chemicals					-	-
Total	\$ 5,338	\$ 32,454	\$ 20,364	\$ 2,295	\$ 20,154	\$ 42,813

Account Name	Maintenance	Field Services	GBMSD Meter Stations	GBMSD Interceptors	Lift Station	Pretreatment
Salaries - Pretreatment	\$ -	\$ 147,143				\$ 147,143
Salaries - GBMSD Interceptors	3,687	85,203		88,890		
Salaries - GBMSD Meter Stations	-	89,086	89,086			
Salaries - East Bayshore Lift Stations	26,150	38,376			64,526	
Salaries - East River Lift Station	13,231	13,706			26,937	
Salaries - Old Plank Lift Station	3,844	7,081			10,925	
Salaries - Interplant Force Main	-	11,878		11,878		
Salaries - Chemical Feed Building	-	2,284	2,284			
Benefits - Pretreatment	-	51,962				51,962
Benefits - GBMSD Interceptors	1,302	30,088		31,390		
Benefits - GBMSD Meter Stations	-	31,460	31,460			
Benefits - East Bayshore Lift Stations	9,235	13,552			22,787	
Benefits - East River Lift Station	4,672	4,840			9,512	
Benefits - Old Plank Lift Station	1,357	2,501			3,858	
Benefits - Interplant Force Main	-	4,195		4,195		
Benefits - Chemical Feed Building	-	807	807			
Pretreatment Program						16,460
R & M - East Bayshore System Lift Stations					63,950	
R & M - East Bayshore Force Main					1,660	
R & M - East River Lift Station					62,700	
R & M - GBMSD Interceptors - Field Services				56,155		
R & M - GBMSD Interceptors - Engineering				120,000		
R & M - Old Plank Lift Station					4,307	
R & M - Interplant Force Main				3,525		
R & M - GBMSD Meter Stations			161,730			
R & M - Chemical Feed Building			1,432			
Phones - Meter/Lift Stations			36,860			
Phones - Chemical Feed Building			-			
Power - Meter Stations			16,000			
Power - Chemical Feed Building			1,400			
Power - Old Plank Lift Station					1,550	
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					25,920	
Total			\$ 341,059	\$ 316,033	\$ 410,452	\$ 215,565

NEW Water
Green Bay Metropolitan Sewerage District
2018 Adopted Budget - December 6, 2017
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	\$ 1,040,279	\$ 530,009	\$ 1,973,822	\$ 1,794,952	\$ 623,322	\$ 438,374	\$ 723,558	\$ 489,428	\$ 7,616,244
Long Term Disability	-	5,598	3,277	11,543	10,282	4,083	3,174	4,178	2,856	44,991
Dental Insurance	-	9,173	7,040	20,426	21,586	6,738	5,269	6,140	1,823	78,195
Health Insurance	-	164,876	116,991	340,610	369,236	69,603	73,057	131,801	33,074	1,299,248
Life Insurance	-	3,518	853	5,731	5,965	2,431	2,415	1,968	1,289	24,170
Wisconsin Retirement	-	66,667	34,130	131,867	116,530	43,163	33,425	46,959	30,013	502,754
FICA & Medicare	191	75,929	40,546	156,513	137,314	50,316	38,842	55,352	37,442	592,445
Worker's Compensation	5	6,797	13,992	52,964	47,387	11,392	1,066	19,102	4,867	157,572
Uniforms	-	-	1,988	12,480	12,288	-	-	3,100	-	29,856
Employee Assistance	-	3,158	-	-	-	-	-	-	-	3,158
Wellness Program	-	-	-	53,322	-	-	-	-	-	53,322
Totals	\$ 2,696	\$ 1,375,995	\$ 748,826	\$ 2,759,278	\$ 2,515,540	\$ 811,048	\$ 595,622	\$ 992,158	\$ 600,792	\$ 10,401,956

Note: Engineering, Treatment, and Information Technology Salaries were decreased by \$191K for re-allocation of salaries to Solids Management Capital Loan Amount.

Green Bay Metropolitan Sewerage District
2018 Adopted Budget - December 6, 2017
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	\$ 1,040,279	\$ 530,009	\$ 1,973,822	\$ 1,744,095	\$ 623,322	\$ 438,374	\$ 304,816	\$ 489,428	\$ 7,146,645
Long Term Disability	-	5,598	3,277	11,543	9,981	4,083	3,174	1,704	2,856	42,216
Dental Insurance	-	9,173	7,040	20,426	21,064	6,738	5,269	1,841	1,823	73,374
Health Insurance	-	164,876	116,991	340,610	360,560	69,603	73,057	60,368	33,074	1,219,139
Life Insurance	-	3,518	853	5,731	5,804	2,431	2,415	639	1,289	22,680
Wisconsin Retirement	-	66,667	34,130	131,867	113,173	43,163	33,425	4,573	30,013	457,011
FICA & Medicare	191	75,929	40,546	156,513	133,423	50,316	38,842	34,924	37,442	568,127
Worker's Compensation	5	6,797	13,992	52,964	46,335	11,392	1,066	13,577	4,867	150,995
Uniforms	-	-	1,988	12,480	12,288	-	-	3,100	-	29,856
Employee Assistance	-	3,158	-	-	-	-	-	-	-	3,158
Wellness Program	-	-	-	53,322	-	-	-	-	-	53,322
Totals	\$ 2,696	\$ 1,375,995	\$ 748,826	\$ 2,759,278	\$ 2,446,724	\$ 811,048	\$ 595,622	\$ 425,542	\$ 600,792	\$ 9,766,523

Note: Engineering, Treatment, and Information Technology Salaries were decreased by \$191K for re-allocation of salaries to Solids Management Capital Loan Amount.

NEW Water
Green Bay Metropolitan Sewerage District
2018 Adopted Budget - December 6, 2017
Employees Headcount Report

DIVISIONS AND DEPARTMENTS	DEPARTMENT	2017 BUDGET HEADCOUNT	2018 BUDGET HEADCOUNT
Business Services including Non-Departmental *		13	13
Laboratory & Research		8	8
Treatment including Health and Safety		25	25
Maintenance		24	24
Engineering		7	7
Information Technology		6	6
Field Services		9	9
Watershed Management		4	4
Regulatory Compliance		1	1
Total Headcount without Commissioners **		97	97
Commissioners		5	5

New Positions

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
2018 Adopted Budget - December 6, 2017
OUT-OF-AREA TRAVEL - Outside EPA Region 5 (Wisconsin, Minnesota, Illinois, Ohio, Indiana, Michigan)

Title	Division	Event
Accounting Manager	Business Services	Institute of Management Accountants (IMA) Conference, TBD
Information Technology Manager	Business Services	Microsoft Envision Conference, TBD
System Technician - GIS	Business Services	Microsoft Ignite Conference, TBD
Director of Technical Services	Technical Services	Water Environment Federation (WEFTEC) Conference, New Orleans, LA
Project Manager	Technical Services	Water Environment Federation (Residuals & Biosolids) Conference, Phoenix, AZ
Staff Engineer	Technical Services	Water Environment Federation (WEFTEC) Conference, New Orleans, LA
Director of Operations	Operations	Water Environment Federation (WEFTEC) Conference, New Orleans, LA
Treatment Manager	Operations	WEF Residuals & Biosolids Conference, Phoenix, AZ
Treatment Lead	Operations	WEF Utility Management Conference, San Antonio, TX
Executive Director	Non-Departmental	National Association of Clean Water Agencies (NACWA) Summer, Boston, MA
Executive Director	Non-Departmental	National Association of Clean Water Agencies (NACWA) Winter, Napa, CA
Executive Director	Non-Departmental	Water Environment Federation (WEFTEC) Conference, New Orleans, LA
Commissioner	Non-Departmental	National Association of Clean Water Agencies (NACWA) Summer, Boston, MA
Commissioner	Non-Departmental	National Association of Clean Water Agencies (NACWA) Winter, Napa, CA
Director of Environmental Programs	Environmental Programs	International Association of Great Lakes Research, (IAGLR), Toronto, On
Watershed Programs Manager	Environmental Programs	International Association of Great Lakes Research, (IAGLR), Toronto, On
Analytical Chemist	Environmental Programs	Pittsburg Conference of Analytical Chemistry and Applied Spectroscopy, (PITTCON), Orlando, FL
Water Resources Specialist	Environmental Programs	International Association of Great Lakes Research, (IAGLR), Toronto, On
Laboratory and Research Manager	Environmental Programs	Water Environment Federation (WEFTEC) Conference, New Orleans, LA

**GREEN BAY METROPOLITAN SEWERAGE DISTRICT
2018 BUDGET: 5-YEAR CAPITAL INVESTMENT PLAN**

2018 Adopted Budget – December 6, 2017	2018	2019	2020	2021	2022
MAJOR CAPITAL: WASTEWATER TREATMENT FACILITIES					
GBF: Blower System Efficiency Upgrade	-	-	400,000	2,413,000	4,016,000
GBF: R2E2 Solids Management Project	17,198,000	3,135,000	-	-	-
GBF: Metro & Mill Pumping and Plant Drain Systems Upgrades	-	100,000	1,460,000	4,860,000	1,620,000
GBF: Gravity Belt Thickener Replacement	-	-	400,000	5,400,000	-
DPF: Service Water System Rehabilitation/Replacement	160,000	2,160,000	-	-	-
DPF: Primary Substation & Emergency Generator	3,760,000	1,220,000	-	-	-
GBF & DPF: Clarifier Rehabilitation	400,000	2,160,000	2,160,000	2,160,000	2,160,000
GBF: Primary Clarifier Odor Control	250,000	2,750,000	-	-	-
GBF & DPF: Headworks Upgrades	-	-	400,000	3,250,000	3,430,000
Interplant Wastewater Force Main - Phase 2	-	-	-	-	36,000
GBF Phosphorus Upgrade	-	750,000	7,628,000	7,628,000	68,649,000
DPF Phosphorus Upgrade	-	500,000	2,768,000	2,768,000	24,912,000
TOTAL WASTEWATER TREATMENT FACILITIES	21,768,000	12,775,000	15,216,000	28,479,000	104,823,000
MAJOR CAPITAL: INTERCEPTORS					
Dutchman Creek Interceptor Upgrade & Rehabilitation ** See Notes **	2,500,000	-	-	-	-
Ninth Street Interceptor Rehabilitation ** See Notes **	7,000	118,000	2,966,000	-	-
East River Interceptor Rehabilitation	155,000	3,666,000	-	-	-
West Fox River Interceptor Relay and Rehabilitation	-	-	-	-	209,000
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	-
Bayview Interceptor Replacement ** See Notes **	4,123,000	-	-	-	-
Charles Street Interceptor Upsizing ** See Notes **	1,512,000	-	-	-	-
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	8,297,000	3,784,000	4,402,000	4,515,000	2,552,000
DEPARTMENT ANNUAL CAPITAL INVESTMENTS					
MAINTENANCE SECTION					
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	-
DPF: Replace roof - Service Building	113,000	-	-	-	-
DPF: Replace roof - Blower Building No. 2	158,000	-	-	-	-
Vehicle ID# 103 Replacement	-	50,000	-	-	-
Vehicle ID# 111 Replacement	-	-	-	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 1	50,000	-	-	-	-
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	-	-	-
GBF: SW Pump Replacement	-	-	-	400,000	-

**GREEN BAY METROPOLITAN SEWERAGE DISTRICT
2018 BUDGET: 5-YEAR CAPITAL INVESTMENT PLAN**

2018 Adopted Budget – December 6, 2017	2018	2019	2020	2021	2022
GBF: Basin Complex Walkway Concrete Rehabilitation	-	224,000	200,000	-	-
DPF: Process Air Blowers - HST Upgrades Phase 2 (HST #4,6)	100,000	-	-	-	-
Maintenance Section subtotal	421,000	1,506,000	1,027,000	1,456,000	-
INFORMATION TECHNOLOGY SECTION					
GBF: Fiber Optic Network Enhancement/Upgrade	-	-	-	80,000	-
GBF: Building Network Cabling Enhance/Upgrade	-	-	-	45,000	-
GBF: Replace PLC Input/Output Hardware	-	125,000	125,000	125,000	125,000
GBF: HR/Payroll Software System	50,000	-	-	-	-
GBF: & DPF: Time and Attendance System	40,000	-	-	-	-
GBF: Financial Software Replacement/Upgrade	250,000	-	-	-	-
GBF & DPF: Telephone System	-	-	125,000	-	-
GBF: Campus Paging System	125,000	-	-	-	-
GBF: eDocs, Imaging/ Management/Collaboration	-	-	-	90,000	-
Information Technology Section subtotal	465,000	125,000	250,000	340,000	125,000
ENGINEERING SECTION					
Meter Station #1 Flow Tube and Flow Meter Replacement	-	90,000	-	-	-
DPF: Demolish Solids Building & MS11A	1,000,000	-	-	-	-
ERLS: HVAC Improvements	-	300,000	-	-	-
Annual Manhole Rehabilitation	50,000	50,000	50,000	50,000	50,000
East River Interceptor Abandoned Segments	715,000	-	-	-	-
Engineering Services Section subtotal	1,765,000	440,000	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	250,000	-	-	-	-
ERLS - Grinder system	-	-	250,000	-	-
ERLS - Ozone unit replacement	60,000	-	-	-	-
Field Services Section subtotal	310,000	100,000	250,000	-	-
LABORATORY SERVICES SECTION					
Laboratory Information System	-	-	-	350,000	-
Ion Chromatography System	50,000	-	-	-	-
Laboratory Services Section subtotal	50,000	-	-	350,000	-
TOTAL ANNUAL CAPITAL INVESTMENTS	3,011,000	2,171,000	1,577,000	2,196,000	175,000
TOTAL CAPITAL INVESTMENTS	33,076,000	18,730,000	21,195,000	35,190,000	107,550,000

Notes:

Major Capital - Interceptors: Dutchman Creek Interceptor Upgrade & Rehabilitation project: Funded via \$390,719 from Debt Service Reserve and balance from Interceptor Cost Recovery Reserve.

Major Capital - Interceptors: Bayview Interceptor Replacement project anticipated to be funded from Interceptor Cost Recovery Reserve and no debt service collected.

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

Major Capital - Interceptors: Charles Street Interceptor Upgrades project: To be funded through the Interceptor Cost Recovery Reserve.

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
2018 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

2018 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
2018 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
2018 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