



GREEN BAY WATER UTILITY

2020 BUDGET

THE MISSION OF THE GREEN BAY WATER UTILITY IS TO
PROVIDE AN ADEQUATE SUPPLY OF HIGH QUALITY,
DRINKING WATER AT A REASONABLE COST TO
CUSTOMERS.

GREEN BAY WATER COMMISSION

RESOLUTION AUTHORIZING AND APPROVING 2020 ANNUAL BUDGET

WHEREAS, pursuant to the provisions of Sec. 66.0805, Wis. Stats., the City of Green Bay (the "City") has previously provided for and authorized the management of the Green Bay Water Utility (the "Utility"), as a municipal public utility, by a commission; and

WHEREAS, the Green Bay Water Commission (the "Commission"), as established by the City under the provisions of Sec. 66.0805, Wis. Stats., is responsible for oversight of the management and control of the Utility, including, but not limited to the financial and fiscal operations thereof; and

WHEREAS, the rules and regulations of the Green Bay Water Utility as adopted by the Green Bay Water Commission (the "Commission") on May 8, 1974, and approved by the City of Green Bay Improvement and Service Committee of the Common Council of the City of Green Bay on August 15, 1974 and the Green Bay Water Utility Operating Rules, as adopted by the Commission on September 16, 1985, and approved by the City of Green Bay Improvement and Service Committee of the Common Council of the City of Green Bay on December 11, 1985, require the Commission to annually consider, approve and adopt an annual operating budget for the Utility; and

WHEREAS, the Utility's staff, in consultation with the Commission's Budget Committee has prepared a proposed 2020 Annual Budget, in the form presented herewith and attached hereto as EXHIBIT "A", which proposed 2020 Annual Budget has subsequently been reviewed by and received the approval recommendation from the Budget Committee; and

WHEREAS, on review of financial and management information provided by the Utility staff, on review of the Commission's previously adopted strategic plan and within the current rate based revenue structure authorized and approved by the Wisconsin Public Service Commission, and on consideration of the recommendation of the Commission's Budget Committee, the Commission has reviewed, analyzed and considered the Utility's proposed 2020 Annual Budget including projected rate based revenues as well as anticipated expenses necessary to maintain the operation of the Utility and carry-out its mission and responsibilities within the framework of the approved rate based revenue structure;

NOW, THEREFORE, it is hereby moved and resolved by the Green Bay Water Commission in the following:

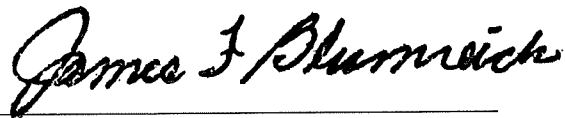
RESOLVED FIRST: That the 2020 Annual Budget of the Green Bay Water Utility, in the form presented herewith and attached hereto as EXHIBIT "A", be, and the same hereby is authorized and approved.

RESOLVED SECOND: That the appropriate officers of the Utility be, and they hereby are, authorized to take all such other and further action as they, in their judgment, shall determine necessary to carry out the intent and to accomplish the purposes of these Resolutions and to carry out and implement the Budget approved hereunder.

ADOPTED this 16 day of December, 2019.

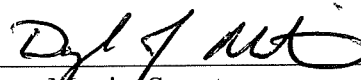
APPROVED this 16 day of December, 2019.

GREEN BAY WATER COMMISSION



James Blumreich, Chair

ATTEST:



Doug Martin, Secretary

GREEN BAY WATER UTILITY
Summary of 2020 Budget Assumptions and Major Changes from 2019
2020 BUDGET

Revenues:

Rate case filed with PSC in July 2019 for an anticipated increase of approximately 5% effective 1/1/20. Projections based on PSC rate increase and volumes used in rate case.

Miscellaneous income increased for billing services for Village of Bellevue.

Expenses:

Salaries and wages - 2% cost of living increase, plus 1 step increase for positions below step 5 and ½ step increase for positions above step 5. Increases or decreases in step rates were determined from the Carlson Dettmann Consulting 2019 market salary study.

New positions added: Lab Technician for the Filter Plant (start date 4/1/20). Communications intern (Summer 2020). Billing assistant approved in 2019 budget not filled and not included in 2020 budget.

4% increase in health and 2 % increase dental premiums.

WRS increase from 6.55% in 2019 to 6.75% in 2020.

Labor costs were reallocated based on personnel changes and estimated work to be performed in 2020.

Maintenance of supply mains in the 2020 budget includes \$1,600,000 for a pipe diver analysis of the 36" transmission mains. This will be financed by borrowing.

Treatment operations included additional costs for sludge lagoon dredging in the 2019 budget.

Maintenance of treatment equipment 2020 budget includes a power supply unit and replacing parts in ozone generator #3.

Transmission and distribution included additional consulting costs for UDF model and pressure zones in the 2019 budget.

Maintenance of mains 2020 budget includes Satellite imagery for leak detection.

Customer Records and Collection 2020 budget includes additional charges from the City of Green Bay IT department for Office 360.

Outside services employed 2020 budget includes additional legal fees due to ongoing lawsuit, Strategic Plan update, employee engagement study, accounting software implementation and Treatment Plant residuals study.

Miscellaneous general expense 2020 budget includes additional Consumer Confidence Report notifications that may be required to be sent twice a year as part of the American Water Infrastructure Act.

Jobbing and contract work 2020 budget includes labor and supplies for performing billing services for the Village of Bellevue.

Interest expense in 2020 decreased due to refinancing of 2006 bonds during 2019.

**GREEN BAY WATER UTILITY
2020 BUDGET**

	2017 Actual	2018 Actual	2019 Budget	2019 Projected	2020 Budget
OPERATING REVENUE					
Residential & Apartment	\$ 6,147,021	\$ 6,414,238	\$ 7,014,000	\$ 6,925,000	\$ 7,271,250
Commercial & Restaurant	3,273,444	3,403,825	3,709,600	3,675,000	3,858,750
Industrial	4,740,471	4,820,093	5,143,000	5,235,000	5,496,750
Municipal	454,138	503,235	474,227	425,000	446,250
Public Fire Protection	1,648,626	1,621,169	1,358,000	1,320,000	1,386,000
Private Fire Protection	136,032	136,171	141,000	141,000	144,000
Water For Resale - Ashwaubenon	2,793,770	2,721,979	3,051,000	2,960,000	3,108,000
Water For Resale - Scott	100,332	93,828	108,000	80,000	84,000
Water For Resale - Hobart	225,292	275,325	243,000	295,000	309,750
Water For Resale - Wrightstown	161,669	160,256	177,000	160,000	168,000
Sewer Dept Reimbursement	738,203	796,958	973,000	850,000	905,000
Stormwater Utility Reimbursement	272,233	310,571	280,000	320,000	330,000
Penalties	145,078	132,069	150,000	135,000	140,000
TOTAL OPERATING REVENUE	20,836,308	21,389,717	22,821,827	22,521,000	23,647,750
OPERATING EXPENSES					
Source of Supply Expense					
Purchased Water	3,842	4,236	4,200	4,000	4,100
Maintenance of Intakes	-	9,320	15,000	10,000	15,000
Maintenance of Supply Mains	49,912	56,340	145,996	63,400	1,642,556
Total Source of Supply Expense	53,754	69,896	165,196	77,400	1,661,656
Pumping Expense					
Pumping Operation Supervision	20,291	44,986	60,264	32,407	31,581
Fuel/Power Purchased for Pumping	725,704	747,983	725,000	742,000	756,840
Pumping Labor & Expense	45,461	54,204	41,879	93,000	85,335
Miscellaneous Pumping	55,257	57,909	65,577	64,555	70,543
Pumping Maintenance Supervision	81,083	111,301	64,968	78,000	85,962
Maintenance of Pumping Structures	77,126	91,081	87,915	128,000	112,446
Maintenance of Power Prod Equip	11,021	7,013	7,200	19,500	8,700
Maintenance of Pumping Equipment	290,662	185,905	169,815	169,000	157,816
Total Pumping Expense	1,306,605	1,300,382	1,222,618	1,326,462	1,309,223
Water Treatment Expense					
Water Treatment Supervision	67,030	69,792	68,668	71,500	76,752
Chemicals	282,961	279,929	284,000	288,000	302,700
Treatment Operations	516,780	489,590	679,080	631,476	631,809
Miscellaneous Water Treatment	120,338	123,544	115,465	107,268	117,070
Treatment Maintenance Supervision	23,016	23,781	24,690	25,750	25,584
Maintenance of Treatment Structures	64,926	41,026	55,710	31,746	46,958
Maintenance of Treatment Equipment	199,705	194,820	224,256	168,052	763,167
Total Water Treatment Expense	1,274,757	1,222,482	1,451,869	1,323,792	1,964,040
Transmission & Distribution Expense					
Distribution Supervision	43,301	70,479	147,427	180,960	203,599
Transmission and Distribution Line	285,792	287,944	410,472	396,767	378,330
Meter Expense	134,708	200,932	172,120	141,436	157,011
Customer Installation	89,500	102,821	105,612	94,398	94,292
Miscellaneous Distribution	200,321	216,203	325,699	239,900	243,026
Maintenance of Reservoirs and Standpipes	26,588	23,300	29,121	8,364	24,822
Maintenance of Mains	1,327,863	1,400,212	1,388,397	1,314,038	1,361,929
Maintenance of Services	360,471	318,960	368,474	318,504	357,791
Maintenance of Meters	61,086	79,922	88,732	90,205	90,872
Maintenance of Hydrants	149,743	140,035	182,495	160,192	185,093
Total Transmission & Distribution Expense	2,679,373	2,840,808	3,218,549	2,944,764	3,096,764

**GREEN BAY WATER UTILITY
2020 BUDGET**

	2017 Actual	2018 Actual	2019 Budget	2019 Projected	2020 Budget
Customer Accounts Expense					
Meter Reading	17,444	15,534	15,108	26,073	30,548
Customer Records and Collection	700,101	802,270	816,926	788,469	851,233
Uncollectible Accounts	3,133	2,249	4,000	12,000	4,000
Customer Service & Information	-	13,429	15,750	5,000	7,000
Total Customer Accounts Expense	720,678	833,482	851,784	831,542	892,781
Administrative & General Expense					
Administrative & General Salaries	685,891	689,181	729,187	665,202	701,187
Office Supplies & Expenses	94,893	87,200	108,400	85,800	87,000
Outside Services Employed	363,553	295,361	348,950	311,794	467,930
Property Insurance	55,326	44,690	53,400	59,614	61,600
Liability Insurance	30,624	48,433	82,433	67,555	56,000
Employee Benefits	1,186,755	1,158,290	1,277,789	1,170,610	1,283,712
Regulatory Commission Expense	6,315	14,365	10,000	15,000	10,000
Miscellaneous General Expense	119,585	100,356	65,655	62,500	95,660
General Plant Maintenance	173,880	152,678	152,045	125,375	145,386
Jobbing & Contract Work	162,874	122,556	109,832	100,200	168,689
Taxes	271,166	279,142	304,109	288,453	301,757
Amortization of Ashwaubenon booster	131,453	131,453	131,453	131,453	131,453
Total Administrative & General Expense	3,282,315	3,123,705	3,373,253	3,083,556	3,510,374
Depreciation Expense	5,217,239	5,253,175	5,331,434	5,331,434	5,391,434
TOTAL OPERATING EXPENSE	14,534,721	14,643,930	15,614,703	14,918,950	17,826,272
OPERATING INCOME	6,301,587	6,745,787	7,207,124	7,602,050	5,821,478
NONOPERATING REVENUES (EXPENSES)					
Interest Income	222,044	275,633	275,000	352,000	332,000
Miscellaneous Income	433,181	426,482	470,500	478,000	597,700
Amortization Of Debt Premium	227,442	227,442	227,442	227,442	227,442
Capital Contributions	638,822	782,979	500,000	725,000	725,000
Tax Equivalency	(2,297,587)	(2,353,288)	(2,423,887)	(2,394,972)	(2,436,961)
Interest Expense	(2,340,166)	(1,693,833)	(1,555,038)	(1,749,326)	(1,474,051)
Amortization of Debt Expense	(180,723)	(385,645)	(375,718)	(375,718)	(221,112)
TOTAL NONOPERATING REVENUES (EXPENSES)	(3,296,987)	(2,720,230)	(2,881,701)	(2,737,574)	(2,249,982)
NET INCOME	\$ 3,004,600	\$ 4,025,556	\$ 4,325,423	\$ 4,864,476	\$ 3,571,496

GREEN BAY WATER UTILITY
Green Bay Operations w/o Ashwaubenon
2020 BUDGET

	2017 Actual	2018 Actual	2019 Budget	2019 Projected	2020 Budget
OPERATING REVENUE					
Residential & Apartment	\$ 6,147,021	\$ 6,414,238	\$ 7,014,000	\$ 6,925,000	\$ 7,271,250
Commercial & Restaurant	3,273,444	3,403,825	3,709,600	3,675,000	3,858,750
Industrial	4,740,471	4,820,093	5,143,000	5,235,000	5,496,750
Municipal	454,138	503,235	474,227	425,000	446,250
Public Fire Protection	1,648,626	1,621,169	1,358,000	1,320,000	1,386,000
Private Fire Protection	136,032	136,171	141,000	141,000	144,000
Water For Resale - Scott	100,332	93,828	108,000	80,000	84,000
Water For Resale - Hobart	225,292	275,325	243,000	295,000	309,750
Water For Resale - Wrightstown	161,669	160,256	177,000	160,000	168,000
Sewer Dept Reimbursement	738,203	796,958	973,000	850,000	905,000
Stormwater Utility Reimbursement	272,233	310,571	280,000	320,000	330,000
Penalties	145,078	132,069	150,000	135,000	140,000
TOTAL OPERATING REVENUE	18,042,538	18,667,738	19,770,827	19,561,000	20,539,750
OPERATING EXPENSES					
Source of Supply Expense					
Purchased Water	3,842	4,236	4,200	4,000	4,100
Maintenance of Intakes	-	9,320	15,000	10,000	15,000
Maintenance of Supply Mains	49,912	56,340	145,996	63,400	1,642,556
Total Source of Supply Expense	53,754	69,896	165,196	77,400	1,661,656
Pumping Expense					
Pumping Operation Supervision	20,291	44,986	60,264	32,407	31,581
Fuel/Power Purchased for Pumping	608,647	633,130	615,000	626,000	638,520
Pumping Labor & Expense	45,461	54,204	41,879	93,000	85,335
Miscellaneous Pumping	55,257	57,909	65,577	64,555	70,543
Pumping Maintenance Supervision	81,083	111,301	64,968	78,000	85,962
Maintenance of Pumping Structures	77,126	91,081	87,915	128,000	112,446
Maintenance of Power Prod Equip	11,021	7,013	7,200	19,500	8,700
Maintenance of Pumping Equipment	290,662	185,905	169,815	169,000	157,816
Total Pumping Expense	1,189,548	1,185,529	1,112,618	1,210,462	1,190,903
Water Treatment Expense					
Water Treatment Supervision	67,030	69,792	68,668	71,500	76,752
Chemicals	233,798	225,434	232,000	235,000	247,700
Treatment Operations	501,689	471,498	659,375	612,476	610,559
Miscellaneous Water Treatment	120,338	123,544	115,465	107,268	117,070
Treatment Maintenance Supervision	23,016	23,781	24,690	25,750	25,584
Maintenance of Treatment Structures	64,926	41,026	55,710	31,746	46,958
Maintenance of Treatment Equipment	199,705	194,820	224,256	168,052	763,167
Total Water Treatment Expense	1,210,503	1,149,895	1,380,164	1,251,792	1,887,790
Transmission & Distribution Expense					
Distribution Supervision	43,301	70,479	147,427	180,960	203,599
Transmission and Distribution Line	285,792	287,944	410,472	396,767	378,330
Meter Expense	134,708	200,932	172,120	141,436	157,011
Customer Installation	89,500	102,821	105,612	94,398	94,292
Miscellaneous Distribution	200,321	216,203	325,699	239,900	243,026
Maintenance of Reservoirs and Standpipes	26,588	23,300	29,121	8,364	24,822
Maintenance of Mains	1,327,863	1,400,212	1,388,397	1,314,038	1,361,929
Maintenance of Services	360,471	318,960	368,474	318,504	357,791
Maintenance of Meters	61,086	79,922	88,732	90,205	90,872
Maintenance of Hydrants	149,743	140,035	182,495	160,192	185,093
Total Transmission & Distribution Expense	2,679,373	2,840,808	3,218,549	2,944,764	3,096,764

GREEN BAY WATER UTILITY
Green Bay Operations w/o Ashwaubenon
2020 BUDGET

	2017 Actual	2018 Actual	2019 Budget	2019 Projected	2020 Budget
Customer Accounts Expense					
Meter Reading	17,444	15,534	15,108	26,073	30,548
Customer Records and Collection	700,101	802,270	816,926	788,469	851,233
Uncollectible Accounts	3,133	2,249	4,000	12,000	4,000
Customer Service & Information	-	13,429	15,750	5,000	7,000
Total Customer Accounts Expense	720,678	833,482	851,784	831,542	892,781
Administrative & General Expense					
Administrative & General Salaries	685,891	689,181	729,187	665,202	701,187
Office Supplies & Expenses	94,893	87,200	108,400	85,800	87,000
Outside Services Employed	363,553	295,361	348,950	311,794	467,930
Property Insurance	55,326	44,690	53,400	59,614	61,600
Liability Insurance	30,624	48,433	82,433	67,555	56,000
Employee Benefits	1,186,755	1,158,290	1,277,789	1,170,610	1,283,712
Regulatory Commission Expense	6,315	14,365	10,000	15,000	10,000
Miscellaneous General Expense	119,585	100,356	65,655	62,500	95,660
General Plant Maintenance	173,880	152,678	152,045	125,375	145,386
Jobbing & Contract Work	162,874	122,556	109,832	100,200	168,689
Taxes	271,166	279,142	304,109	288,453	301,757
Amortization of Ashwaubenon booster	131,453	131,453	131,453	131,453	131,453
Total Administrative & General Expense	3,282,315	3,123,705	3,373,253	3,083,556	3,510,374
Depreciation Expense	5,105,804	5,141,741	5,220,000	5,220,000	5,280,000
TOTAL OPERATING EXPENSE	14,241,976	14,345,056	15,321,564	14,619,516	17,520,268
OPERATING INCOME	3,800,563	4,322,682	4,449,263	4,941,484	3,019,482
NONOPERATING REVENUES (EXPENSES)					
Interest Income	222,044	275,633	275,000	352,000	332,000
Miscellaneous Income	433,181	426,482	470,500	478,000	597,700
Amortization Of Debt Premium	206,472	206,472	227,442	206,472	206,472
Capital Contributions	638,822	782,979	500,000	725,000	725,000
Tax Equivalency	(2,137,824)	(2,195,763)	(2,266,362)	(2,240,305)	(2,285,111)
Interest Expense	(2,124,402)	(1,537,661)	(1,411,664)	(1,619,492)	(1,337,222)
Amortization of Debt Expense	(164,060)	(350,089)	(341,076)	(341,076)	(200,725)
TOTAL NONOPERATING REVENUES (EXPENSES)	(2,925,767)	(2,391,947)	(2,546,160)	(2,439,401)	(1,961,886)
NET INCOME	\$ 874,795	\$ 1,930,734	\$ 1,903,103	\$ 2,502,083	\$ 1,057,596

GREEN BAY WATER UTILITY

Ashwaubenon Operations 2020 Budget

	2017 Actual	2018 Actual	2019 Budget	2019 Projected	2020 Budget
OPERATING REVENUE					
Water For Resale - Ashwaubenon	\$ 2,793,770	\$ 2,721,979	\$ 3,051,000	\$ 2,960,000	\$ 3,108,000
OPERATING EXPENSES					
Pumping Expense					
Fuel/Power Purchased for Pumping	117,056	114,853	110,000	116,000	118,320
Water Treatment Expense					
Chemicals	49,163	54,495	52,000	53,000	55,000
Treatment Operations	15,090	18,092	19,705	19,000	21,250
Total Water Treatment Expense	64,253	72,587	71,705	72,000	76,250
Depreciation Expense	111,435	111,434	111,434	111,434	111,434
TOTAL OPERATING EXPENSE	292,744	298,874	293,139	299,434	306,004
OPERATING INCOME	2,501,025	2,423,105	2,757,861	2,660,566	2,801,996
NONOPERATING REVENUES (EXPENSES)					
Amortization of Debt Premium	20,970	20,970	-	20,970	20,970
Tax Equivalency	(159,763)	(157,525)	(157,525)	(154,667)	(151,850)
Interest Expense	(215,764)	(156,172)	(143,374)	(129,834)	(136,829)
Amortization of Debt Expense	(16,663)	(35,556)	(34,642)	(34,642)	(20,387)
TOTAL NONOPERATING REVENUES (EXPENSES)	(371,220)	(328,283)	(335,541)	(298,173)	(288,096)
NET INCOME	\$ 2,129,805	\$ 2,094,822	\$ 2,422,320	\$ 2,362,393	\$ 2,513,900

GREEN BAY WATER UTILITY

Operating and Maintenance Expenses by Major Function w/o Ashwaubenon 2020 BUDGET

	2020 Budget Amount	% of Total Budget	2019 Budget Amount	% of Total Budget
Salaries & wages	\$ 3,789,920	17.76%	\$ 3,623,923	18.74%
Employee benefits:				
Health, dental & life insurance	936,059	4.39%	936,448	4.84%
Social Security	289,478	1.36%	289,402	1.50%
WRS pension	255,989	1.20%	248,779	1.29%
Other employee benefits	84,885	0.40%	84,855	0.44%
Total employee benefits	<u>1,566,411</u>	<u>7.34%</u>	<u>1,559,483</u>	<u>8.06%</u>
Total salaries, wages & employee benefits	5,356,331	25.10%	5,183,406	26.80%
Depreciation	5,280,000	24.74%	5,220,000	26.99%
PILOT payment to City	2,285,111	10.71%	2,266,362	11.72%
Contractor costs	2,971,100	13.92%	1,709,200	8.84%
Electric for pumping	658,520	3.09%	631,000	3.26%
Materials & supplies	1,382,700	6.48%	786,167	4.06%
Vehicle & equipment fuel & maintenance	421,900	1.98%	467,300	2.42%
Chemicals for water treatment	247,700	1.16%	232,000	1.20%
Outside services (legal, audit, engineering, City services)	467,930	2.19%	348,950	1.80%
Treatment plant electric & natural gas	147,000	0.69%	140,000	0.72%
Amortization of Ashwaubenon booster	131,453	0.62%	131,453	0.68%
Liability, property & workers' comp insurance	117,600	0.55%	135,833	0.70%
Water sample testing	145,800	0.68%	148,375	0.77%
Meetings, conventions and public relations	89,160	0.42%	63,380	0.33%
Office & vehicle building electric & natural gas	50,000	0.23%	60,000	0.31%
Other (phone, postage, bad debts, etc.)	53,074	0.25%	64,500	0.33%
Debt interest and amortization	<u>1,537,947</u>	<u>7.21%</u>	<u>1,752,740</u>	<u>9.06%</u>
Total Expenses	<u>\$ 21,343,326</u>	<u>100.00%</u>	<u>\$ 19,340,666</u>	<u>100.00%</u>

GREEN BAY WATER UTILITY
Schedule of Cash Flows
2020 BUDGET

	Total	Green Bay	Ashwaubenon
Cash Balance 12/31/17	\$ 5,566,188	\$ (1,768,302)	\$ 7,334,490
Net Income	4,025,556	1,930,734	2,094,822
Capital Contribution	(782,979)	(782,979)	-
Depreciation	5,253,175	5,253,175	-
Amortization	131,453	131,453	-
LT debt proceeds	-	-	-
LT debt pmts	(3,405,000)	(3,091,059)	(313,941)
Amortization of debt prem/disc.	158,203	158,203	-
Fixed asset purchases	(4,942,342)	(4,700,097)	(242,245)
Net change in cash	438,066	(1,100,570)	1,538,636
Cash Balance 12/31/18	\$ 6,004,254	\$ (2,868,872)	\$ 8,873,126
Net Income	4,864,476	2,502,083	2,362,393
Capital Contribution	(725,000)	(725,000)	-
Depreciation	5,331,434	5,331,434	-
Amortization	131,453	131,453	-
LT debt proceeds	22,101,029	20,063,314	2,037,715
LT debt pmts	(25,765,000)	(23,389,467)	(2,375,533)
Amortization of debt prem/disc.	148,276	148,276	-
Fixed asset purchases	(5,361,650)	(5,185,900)	(175,750)
Net change in cash	725,018	(1,123,807)	1,848,825
Cash Balance 12/31/19	\$ 6,729,272	\$ (3,992,679)	\$ 10,721,951
Net Income	3,571,496	1,057,596	2,513,900
Capital Contribution	(725,000)	(725,000)	-
Depreciation	5,391,434	5,391,434	-
Amortization	131,453	131,453	-
LT debt proceeds	5,600,000	5,600,000	-
LT debt pmts	(3,705,000)	(3,363,399)	(341,601)
Amortization of debt prem/disc.	(6,330)	(6,330)	-
Fixed asset purchases	(10,686,260)	(10,356,420)	(329,840)
Net change in cash	(428,207)	(2,270,666)	1,842,459
Cash Balance 12/31/20	\$ 6,301,065	\$ (6,263,345)	\$ 12,564,410

GREEN BAY WATER UTILITY
Projected 2020 Rate of Return Analysis
(Excluding Ashwaubenon Wholesale Operations)
2020 BUDGET

	<u>1/1/19</u>	<u>12/31/19</u>	<u>AVERAGE</u>
Plant in Service (Utility Financed)	\$ 194,824,057	\$ 200,009,957	\$ 197,417,007
Less: Accumulated Depreciation	<u>76,289,511</u>	<u>81,509,511</u>	<u>78,899,511</u>
Net Capital Investment (Utility Financed)	118,534,546	118,500,446	118,517,496
Plus: Materials & Supplies	<u>546,920</u>	<u>555,000</u>	<u>550,960</u>
Rate Base	<u><u>\$ 119,081,466</u></u>	<u><u>\$ 119,055,446</u></u>	\$ 119,068,456
Less: Regulatory Liability			<u>\$ 906,044</u>
Net Investment Rate Base			\$ 118,162,412
Net Operating Income			<u><u>\$ 3,695,884</u></u>
Rate of Return			<u><u>3.13%</u></u>

AUTHORIZED RATE OF RETURN: 3.2%

	<u>1/1/20</u>	<u>12/31/20</u>	<u>AVERAGE</u>
Plant in Service (Utility Financed)	\$ 200,009,957	\$ 205,821,697	\$ 202,915,827
Less: Accumulated Depreciation	<u>81,509,511</u>	<u>86,789,511</u>	<u>84,149,511</u>
Net Capital Investment (Utility Financed)	118,500,446	119,032,186	118,766,316
Plus: Materials & Supplies	<u>555,000</u>	<u>563,325</u>	<u>559,163</u>
Rate Base	<u><u>\$ 119,055,446</u></u>	<u><u>\$ 119,595,511</u></u>	\$ 119,325,479
Less: Regulatory Liability			<u>\$ 704,699</u>
Net Investment Rate Base			\$ 118,620,780
Net Operating Income			<u><u>\$ 2,877,381</u></u>
Rate of Return			<u><u>2.43%</u></u>

ANTICIPATED RATE OF RETURN: 3.1%

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENTS
2020 BUDGET**

Project	Department	Amount
Building Addition and Remodel	Administrative	\$ 4,000,000
GIS Server Upgrade and Storage Enhancements	Administrative	15,000
Server Optimization Upgrades with Hard Drive Racks	Administrative	15,000
Miscellaneous Network and PC Upgrades	Administrative	20,000
Meter Replacement	Metering & Cross Connection	380,260
Lead Services Relays	Distribution	1,000,000
Filter Plant Vehicles	Distribution	34,000
Customer Service/Metering Vehicles	Distribution	35,000
Distribution Vehicles	Distribution	265,000
Small Safety Equipment	Distribution	10,000
Small Equipment	Distribution	25,000
Water Main Relays	Engineering	4,650,000
Cityworks Upgrade & Implementation	Engineering	80,000
New Switch Gear 54/57 Well	Pumping	30,000
Filter Plant Lab Addition	Treatment	47,500
Filter Plant Security Upgrade	Treatment	50,000
Thermal Imaging Equipment	Treatment	11,500
Orbisphere Sensor Heads	Treatment	18,000
Total Project Costs		<u><u>\$10,686,260</u></u>
Funding Sources:		
<hr/>		
Water User Fees		\$ 6,686,260
Revenue Bonds		4,000,000
Total Funding Sources		<u><u>\$10,686,260</u></u>

See 2020 Five-Year Capital Improvement Plan for detail on each project.