MINUTES OF THE WATER COMMISSION

MONDAY, OCTOBER 12, 2020, 8:30 AM
GREEN BAY WATER UTILITY
631 S Adams St

A. ROLL CALL.

Commissioners Present: James Blumreich, John Heugel, Doug Martin, Joe Moore, Jamie Wall, Kathryn Hasselblad-Pascale, Kathy Lefebvre, Elizabeth Wheat
Other: Attorney William Vande Castle; Maggie Frye, Core Consulting
Utility Staff: Nancy Quirk, Brian Powell, Russ Hardwick, Andrea Hay, Jessica Cortes, Stephanie Rogers

B. INTRODUCTION OF NEW COMMISSIONER

Nancy Quirk introduced and gave background of Commissioners to the new Commissioner, Elizabeth Wheat. Commissioner Wheat introduced herself to everyone.

C. APPROVAL OF THE AGENDA.

1. Approval of Agenda

Motion by Hasselblad-Pascale, second by Moore to approve agenda as established. Passed unanimously.

D. APPROVAL OF MINUTES.

1. Approval of Commission Meeting Minutes of 09/14/2020

Motion by Wall, second by Hasselblad-Pascale to approve meeting minutes as presented. Passed unanimously.

E. REGULAR BUSINESS.

1. Approve Green Bay Water Utility 2020 Strategic Plan

Maggie Frye of Core Consulting presented the Green Bay Water Utility 2021-2023 Strategic Plan. Commission President Blumreich requested strategic goal reports be given twice a year. Motion by Wall, second by Moore to authorize implementation of 2021-2023 Strategic Plan.

2. Approve Financial Statement Audit Policy

Motion by Martin, second by Moore to approve Financial Statement Audit Policy. Adoption of policy passed unanimously.

3. Approve Budget Policy

Motion by Wall, second by Hasselblad-Pascale to approve Budget Policy. Adoption of budget policy passed unanimously.

4. Approval of Audit Firm for 2020-2022 Audit

Motion by Heugel, second by Martin to approve Audit Firm for 2020-2022 Audit contingent on City of Green Bay City Council and Transit Commission also approving audit firm.

5. Financial Report - August 2020

Business Manager Rogers reviewed financial reports. Financials are within expectations. No substantive issue of concern was identified. Motion by Moore, second by Wall to receive financials and place on file. Passed unanimously.

F. INFORMATIONAL.

1. General Manager's Update

- Lead Services replacement project is complete. Project was completed on Tuesday, October 6, 2020. Press conference was held at the home of the last replacement.
- Utility has started galvanized service line replacements that were once hooked to a lead service through a grant the Utility has received from the DNR.
- Wednesday, October 14th the Utility will be celebrating the lead service replacements completion with a luncheon to thank everyone for their hard work on this project.
- The issue of fluoride in drinking water was continued at a special meeting of the Protection and Policy Committee on October 8th and was tabled until November 19 for further investigation by Committee.
- COVID-19: No further positive employee cases have been reported. All employees who contracted COVID-19 have recovered and are back working fulltime. Jessica is working with employees who have school-age children learning virtually to be able to continue working.
- City of Green Bay's open enrollment will take place November 6 through November 30 and there are changes to medical insurance plans for 2021. Jessica is working on setting up informational sessions for employees. City of Green Bay is also changing dental vendors, but the plan looks to be better than what employees are currently offered.
- The Utility has one (1) open position, Distribution Maintenance Assistant. Applications have been received and there are a couple of qualified applicants.
- General Manager Nancy Quirk asked for three (3) commissioners to volunteer to help with the detailed budget. Commissioners Blumreich, Martin and Hasselblad-Pascale volunteered to help with the detailed budget.
- A third upgrade to the ozone generators at the filter plant is underway and should be complete by the end of December 2020.
- Diversity training was scheduled for later in October, but with an increase in COVID-19 cases in the area, General Manager Quirk decided to postpone the training until personnel can safely meet.

G. RECOGNITION

1. Appreciation of Service - Joe Moore

General Manager Quirk thanked Commissioner Moore for his years of service, work and knowledge he brought to the commission.

H. ADJOURNMENT.

1. Motion to Adjourn

Motion by Moore, second by Wall to adjourn meeting. Passed unanimously.

I. ZOOM INFORMATION

1.

Join Zoom Meeting

https://zoom.us/j/97353999405?pwd=eUFlVVM3L3BWaUdTVmx5Z3cyUEZDQT09

Meeting ID: 973 5399 9405
Passcode: 708975
One tap mobile

+13017158592,,97353999405#,,,,,,0#,,708975# US (Germantown)
+13126266799,,97353999405#,,,,,,0#,,708975# US (Chicago)

Dial by your location
+1 301 715 8592 US (Germantown)
+1 312 626 6799 US (Chicago)
+1 929 205 6099 US (New York)
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Meeting ID: 973 5399 9405
Passcode: 708975

Find your local number: https://zoom.us/u/ac32VJ5Ggq

GREEN BAY WATER COMMISSION

RESOLUTION AUTHORIZING AND APPROVING 2021 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 2021 Annual Budget, in the form presented herewith and attached hereto, which proposed 2021 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 2021 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 2021 Annual Budget of the Green Bay Water Utility, in the form presented herewith and attached hereto, 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 ___ day of ___________________, 2020.

APPROVED this ___ day of __________________, 2020.

GREEN BAY WATER COMMISSION

____

James Blumreich, Chair

ATTEST:

____

Doug Martin, Secretary

GREEN BAY WATER UTILITY

2021 BUDGET

THE MISSION OF THE GREEN BAY WATER UTILITY IS TO PROVIDE A RELIABLE, HIGH-QUALITY DRINKING WATER SUPPLY WITH EXCEPTIONAL CUSTOMER SERVICE AND VALUE.

GREEN BAY WATER UTILITY
Summary of 2021 Budget Assumptions and Major Changes from 2020
2021 BUDGET

Revenues:

Rate case filed with PSC in July 2019, increase of approximately 5% went into effect 6/1/20.
Projections based on PSC rate increase and volumes used in rate case.

Interest income decreased due to lower interest rates on checking and investment accounts.

Miscellaneous income increased in 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. Increase was determined from the Carlson Dettmann Consulting 2021 planning survey.

New positions added: Communications intern (Summer 2021). Billing assistant approved in 2019 budget not filled, not included in 2020 budget, filled in 2021 budget (start date 6/1/21).

0% increase in health and 0% increase dental premiums. 0% increase in Wisconsin Retirement System.

Labor costs were reallocated based on personnel changes and estimated work to be performed in 2021.

Maintenance of supply mains in the 2021 budget includes $1,600,000 for a pipe diver analysis of the 36" transmission mains. This will be financed by borrowing.

Maintenance of pumping structures in the 2021 budget includes $37,000 to pull the Bay Highlands vault and $70,000 for the demolition of the Broadway tower.

Treatment operations included additional costs for sludge lagoon dredging in the 2020 budget. In the 2021 budget, $50,000 is included for the Sodium Hypochlorite bulk tank repair.

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

Maintenance of mains and maintenance of services 2021 budgets include more labor costs due to lead service replacements being completed and the reallocation of personnel.

Customer Records and Collection 2021 budget includes credit card fees which was approved in the last rate case to be absorbed by the Utility.

Outside services employed 2021 budget includes strength management consulting, rebranding and accounting software implementation.

Employee Benefits 2021 budget includes additional diversity and emergency preparedness training.

Jobbing and contract work 2021 budget increased for labor and supplies to perform billing services for the Village of Bellevue which started in the fall of 2020.

GREEN BAY WATER UTILITY
2021 BUDGET

	2018 Actual	2019 Actual	2020 Budget	2020 Projected	2021 Budget
OPERATING REVENUE					
Residential & Apartment	$ 7,756,137	$ 8,521,556	$ 8,856,750	$ 8,725,000	$ 9,220,000
Commercial & Restaurant	2,061,926	2,169,341	2,273,250	2,045,000	2,315,000
Industrial	4,820,093	5,219,712	5,496,750	5,075,000	5,300,000
Municipal	503,235	443,568	446,250	325,000	465,000
Public Fire Protection	1,621,169	1,340,187	1,386,000	1,350,000	1,380,000
Private Fire Protection	136,171	140,085	144,000	151,000	155,000
Water For Resale - Ashwaubenon	2,721,979	2,903,163	3,108,000	2,950,000	3,075,000
Water For Resale - Scott	93,828	79,068	84,000	96,000	100,000
Water For Resale - Hobart	275,325	285,740	309,750	355,000	375,000
Water For Resale - Wrightstown	160,256	166,936	168,000	160,000	170,000
Sewer Dept Reimbursement	796,958	796,494	905,000	830,000	855,000
Stormwater Utility Reimbursement	310,571	317,118	330,000	330,000	340,000
Penalties	132,069	152,709	140,000	85,000	145,000
TOTAL OPERATING REVENUE	21,389,717	22,535,679	23,647,750	22,477,000	23,895,000
OPERATING EXPENSES					
Source of Supply Expense					
Purchased Water	4,236	4,466	4,100	6,200	7,000
Maintenance of Intakes	9,320	-	15,000	15,000	-
Maintenance of Supply Mains	56,340	45,953	1,642,556	14,700	1,633,841
Total Source of Supply Expense	69,896	50,419	1,661,656	35,900	1,640,841
Pumping Expense					
Pumping Operation Supervision	44,986	30,862	31,581	49,400	49,309
Fuel/Power Purchased for Pumping	747,983	700,620	756,840	713,000	725,000
Pumping Labor & Expense	54,204	83,013	85,335	57,600	67,930
Miscellaneous Pumping	57,909	85,224	70,543	71,502	77,349
Pumping Maintenance Supervision	111,301	83,280	85,962	60,200	62,329
Maintenance of Pumping Structures	91,081	135,777	112,446	122,700	252,877
Maintenance of Power Prod Equip	7,013	10,379	8,700	7,200	8,000
Maintenance of Pumping Equipment	185,905	144,030	157,816	91,600	163,077
Total Pumping Expense	1,300,382	1,273,184	1,309,223	1,173,202	1,405,871
Water Treatment Expense					
Water Treatment Supervision	69,792	71,606	76,752	71,500	73,950
Chemicals	279,929	300,998	302,700	280,600	305,000
Treatment Operations	489,590	530,789	631,809	644,000	668,727
Miscellaneous Water Treatment	123,544	118,609	117,070	129,900	138,430
Treatment Maintenance Supervision	23,781	23,823	25,584	29,700	31,693
Maintenance of Treatment Structures	41,026	27,300	46,958	43,310	32,038
Maintenance of Treatment Equipment	194,820	946,553	763,167	745,450	162,816
Total Water Treatment Expense	1,222,482	2,019,678	1,964,040	1,944,460	1,412,654
Transmission & Distribution Expense					
Distribution Supervision	70,479	214,057	203,599	217,000	222,622
Transmission and Distribution Line	287,944	455,266	378,330	357,170	399,617
Meter Expense	200,932	150,204	157,011	151,628	188,106
Customer Installation	102,821	90,519	94,292	73,150	85,428
Private Services	-	-	-	1,250	14,145
Miscellaneous Distribution	216,203	226,958	243,026	222,000	230,550
Maintenance of Reservoirs and Standpipes	23,300	12,119	24,822	32,600	27,617
Maintenance of Mains	1,400,212	1,155,934	1,361,929	1,336,600	1,680,414
Maintenance of Services	318,960	262,042	357,791	301,100	439,761
Maintenance of Meters	79,922	95,054	90,872	109,000	118,320
Maintenance of Hydrants	140,035	154,469	185,093	131,000	142,630
Total Transmission & Distribution Expense	2,840,808	2,816,622	3,096,764	2,932,498	3,549,210

GREEN BAY WATER UTILITY
2021 BUDGET

	2018 Actual	2019 Actual	2020 Budget	2020 Projected	2021 Budget
Customer Accounts Expense					
Meter Reading	15,534	28,213	30,548	30,400	34,676
Customer Records and Collection	802,270	818,163	851,233	853,200	932,340
Uncollectible Accounts	2,249	11,804	4,000	3,000	4,000
Customer Service & Information - Education	13,429	845	7,000	1,200	14,000
Total Customer Accounts Expense	833,482	859,024	892,781	887,800	985,016
Administrative & General Expense					
Administrative & General Salaries	689,181	641,424	701,187	679,200	708,335
Office Supplies & Expenses	87,200	85,562	87,000	94,800	94,000
Outside Services Employed	295,361	305,786	467,930	293,875	535,400
Property Insurance	44,690	67,411	61,600	59,167	79,500
Liability Insurance	48,433	73,212	56,000	57,000	62,510
Employee Benefits	1,158,290	1,457,557	1,283,712	1,220,650	1,300,032
Regulatory Commission Expense	14,365	9,494	10,000	15,000	5,000
Miscellaneous General Expense	100,356	57,742	95,660	88,250	103,000
General Plant Maintenance	152,678	125,490	145,386	113,000	146,285
Jobbing & Contract Work	122,556	105,833	168,689	126,900	222,437
Taxes	279,142	299,242	301,757	293,117	342,065
Amortization of Ashwaubenon booster	131,453	131,453	131,453	131,453	131,453
Total Administrative & General Expense	3,123,705	3,360,204	3,510,374	3,172,412	3,730,017
Depreciation Expense	5,253,175	5,228,702	5,391,434	5,391,434	5,461,434
TOTAL OPERATING EXPENSE	14,643,930	15,607,834	17,826,272	15,537,706	18,185,043
OPERATING INCOME	6,745,787	6,927,845	5,821,478	6,939,294	5,709,957
NONOPERATING REVENUES (EXPENSES)					
Interest Income	275,633	607,969	332,000	203,000	230,000
Miscellaneous Income	426,482	455,679	597,700	520,000	592,000
Amortization Of Debt Premium	227,442	373,759	227,442	572,749	572,749
Capital Contributions	782,979	1,325,622	725,000	725,000	500,000
Tax Equivalency	(2,353,288)	(2,394,972)	(2,436,961)	(2,477,790)	(2,552,000)
Interest Expense	(1,693,833)	(1,970,057)	(1,474,051)	(1,472,723)	(1,423,185)
Amortization of Debt Expense	(385,645)	(375,717)	(221,112)	(373,096)	(342,818)
TOTAL NONOPERATING REVENUES (EXPENSES)	(2,720,230)	(1,977,718)	(2,249,982)	(2,302,860)	(2,423,254)
NET INCOME	$ 4,025,556	$ 4,950,127	$ 3,571,496	$ 4,636,434	$ 3,286,703

GREEN BAY WATER UTILITY

Green Bay Operations w/o Ashwaubenon

2021 BUDGET

	2018 Actual	2019 Actual	2020 Budget	2020 Projected	2021 Budget
OPERATING REVENUE					
Residential & Apartment	$ 7,756,137	$ 8,521,556	$ 8,856,750	$ 8,725,000	$ 9,220,000
Commercial & Restaurant	2,061,926	2,169,341	2,273,250	2,045,000	2,315,000
Industrial	4,820,093	5,219,712	5,496,750	5,075,000	5,300,000
Municipal	503,235	443,568	446,250	325,000	465,000
Public Fire Protection	1,621,169	1,340,187	1,386,000	1,350,000	1,380,000
Private Fire Protection	136,171	140,085	144,000	151,000	155,000
Water For Resale - Scott	93,828	79,068	84,000	96,000	100,000
Water For Resale - Hobart	275,325	285,740	309,750	355,000	375,000
Water For Resale - Wrightstown	160,256	166,936	168,000	160,000	170,000
Sewer Dept Reimbursement	796,958	796,494	905,000	830,000	855,000
Stormwater Utility Reimbursement	310,571	317,118	330,000	330,000	340,000
Penalties	132,069	152,709	140,000	85,000	145,000
TOTAL OPERATING REVENUE	18,667,738	19,632,516	20,539,750	19,527,000	20,820,000
OPERATING EXPENSES					
Source of Supply Expense					
Purchased Water	4,236	4,466	4,100	6,200	7,000
Maintenance of Intakes	9,320	-	15,000	15,000	-
Maintenance of Supply Mains	56,340	45,953	1,642,556	14,700	1,633,841
Total Source of Supply Expense	69,896	50,419	1,661,656	35,900	1,640,841
Pumping Expense					
Pumping Operation Supervision	44,986	30,862	31,581	49,400	49,309
Fuel/Power Purchased for Pumping	633,130	590,380	638,520	600,000	610,000
Pumping Labor & Expense	54,204	83,013	85,335	57,600	67,930
Miscellaneous Pumping	57,909	85,224	70,543	71,502	77,349
Pumping Maintenance Supervision	111,301	83,280	85,962	60,200	62,329
Maintenance of Pumping Structures	91,081	135,777	112,446	122,700	252,877
Maintenance of Power Prod Equip	7,013	10,379	8,700	7,200	8,000
Maintenance of Pumping Equipment	185,905	144,030	157,816	91,600	163,077
Total Pumping Expense	1,185,529	1,162,945	1,190,903	1,060,202	1,290,871
Water Treatment Expense					
Water Treatment Supervision	69,792	71,606	76,752	71,500	73,950
Chemicals	225,434	249,738	247,700	235,000	250,000
Treatment Operations	471,498	513,235	610,559	626,500	647,477
Miscellaneous Water Treatment	123,544	118,609	117,070	129,900	138,430
Treatment Maintenance Supervision	23,781	23,823	25,584	29,700	31,693
Maintenance of Treatment Structures	41,026	27,300	46,958	43,310	32,038
Maintenance of Treatment Equipment	194,820	946,553	763,167	745,450	162,816
Total Water Treatment Expense	1,149,895	1,950,863	1,887,790	1,881,360	1,336,404
Transmission & Distribution Expense					
Distribution Supervision	70,479	214,057	203,599	217,000	222,622
Transmission and Distribution Line	287,944	455,266	378,330	357,170	399,617
Meter Expense	200,932	150,204	157,011	151,628	188,106
Customer Installation	102,821	90,519	94,292	73,150	85,428
Private Services	-	-	-	1,250	14,145
Miscellaneous Distribution	216,203	226,958	243,026	222,000	230,550
Maintenance of Reservoirs and Standpipes	23,300	12,119	24,822	32,600	27,617
Maintenance of Mains	1,400,212	1,155,934	1,361,929	1,336,600	1,680,414
Maintenance of Services	318,960	262,042	357,791	301,100	439,761
Maintenance of Meters	79,922	95,054	90,872	109,000	118,320
Maintenance of Hydrants	140,035	154,469	185,093	131,000	142,630
Total Transmission & Distribution Expense	2,840,808	2,816,622	3,096,764	2,932,498	3,549,210

GREEN BAY WATER UTILITY

Green Bay Operations w/o Ashwaubenon

2021 BUDGET

	2018 Actual	2019 Actual	2020 Budget	2020 Projected	2021 Budget
Customer Accounts Expense					
Meter Reading	15,534	28,213	30,548	30,400	34,676
Customer Records and Collection	802,270	818,163	851,233	853,200	932,340
Uncollectible Accounts	2,249	11,804	4,000	3,000	4,000
Customer Service & Information - Education	13,429	845	7,000	1,200	14,000
Total Customer Accounts Expense	833,482	859,024	892,781	887,800	985,016
Administrative & General Expense					
Administrative & General Salaries	689,181	641,424	701,187	679,200	708,335
Office Supplies & Expenses	87,200	85,562	87,000	94,800	94,000
Outside Services Employed	295,361	305,786	467,930	293,875	535,400
Property Insurance	44,690	67,411	61,600	59,167	79,500
Liability Insurance	48,433	73,212	56,000	57,000	62,510
Employee Benefits	1,158,290	1,457,557	1,283,712	1,220,650	1,300,032
Regulatory Commission Expense	14,365	9,494	10,000	15,000	5,000
Miscellaneous General Expense	100,356	57,742	95,660	88,250	103,000
General Plant Maintenance	152,678	125,490	145,386	113,000	146,285
Jobbing & Contract Work	122,556	105,833	168,689	126,900	222,437
Taxes	279,142	299,242	301,757	293,117	342,065
Amortization of Ashwaubenon booster	131,453	131,453	131,453	131,453	131,453
Total Administrative & General Expense	3,123,705	3,360,204	3,510,374	3,172,412	3,730,017
Depreciation Expense	5,141,741	5,117,268	5,280,000	5,280,000	5,350,000
TOTAL OPERATING EXPENSE	14,345,056	15,317,345	17,520,268	15,250,172	17,882,359
OPERATING INCOME	4,322,682	4,315,171	3,019,482	4,276,828	2,937,641
NONOPERATING REVENUES (EXPENSES)					
Interest Income	275,633	607,969	332,000	203,000	230,000
Miscellaneous Income	426,482	455,679	597,700	520,000	592,000
Amortization Of Debt Premium	206,472	339,299	206,472	519,942	519,942
Capital Contributions	782,979	1,325,622	725,000	725,000	500,000
Tax Equivalency	(2,195,763)	(2,240,305)	(2,285,111)	(2,324,230)	(2,400,000)
Interest Expense	(1,537,661)	(1,788,418)	(1,337,222)	(1,336,938)	(1,289,245)
Amortization of Debt Expense	(350,089)	(341,076)	(200,725)	(338,697)	(311,211)
TOTAL NONOPERATING REVENUES (EXPENSES)	(2,391,947)	(1,641,231)	(1,961,886)	(2,031,923)	(2,158,514)
NET INCOME	$ 1,930,734	$ 2,673,940	$ 1,057,596	$ 2,244,905	$ 779,127

GREEN BAY WATER UTILITY

Ashwaubenon Operations

2021 BUDGET

	2018 Actual	2019 Actual	2020 Budget	2020 Projected	2021 Budget
OPERATING REVENUE					
Water For Resale - Ashwaubenon	$ 2,721,979	$ 2,903,163	$ 3,108,000	$ 2,950,000	$ 3,075,000
OPERATING EXPENSES					
Pumping Expense					
Fuel/Power Purchased for Pumping	114,853	110,239	118,320	113,000	115,000
Water Treatment Expense					
Chemicals	54,495	51,261	55,000	45,600	55,000
Treatment Operations	18,092	17,555	21,250	17,500	21,250
Total Water Treatment Expense	72,587	68,815	76,250	63,100	76,250
Depreciation Expense	111,434	111,434	111,434	111,434	111,434
TOTAL OPERATING EXPENSE	298,874	290,489	306,004	287,534	302,684
OPERATING INCOME	2,423,105	2,612,674	2,801,996	2,662,466	2,772,316
NONOPERATING REVENUES (EXPENSES)					
Amortization of Debt Premuim	20,970	34,460	20,970	52,807	52,807
Tax Equivalency	(157,525)	(154,667)	(151,850)	(153,560)	(152,000)
Interest Expense	(156,172)	(181,639)	(136,829)	(135,785)	(133,940)
Amortization of Debt Expense	(35,556)	(34,641)	(20,387)	(34,399)	(31,607)
TOTAL NONOPERATING REVENUES (EXPENSES)	(328,283)	(336,487)	(288,096)	(270,937)	(264,740)
NET INCOME	$ 2,094,822	$ 2,276,187	$ 2,513,900	$ 2,391,529	$ 2,507,576

GREEN BAY WATER UTILITY

Operating and Maintenance Expenses by Major Function w/o Ashwaubenon

2021 BUDGET

	2021 Budget Amount	% of Total Budget	2020 Budget Amount	% of Total Budget
Salaries & wages	$ 4,328,434	19.78%	$ 3,789,920	17.76%
Employee benefits:				
Health, dental & life insurance	922,188	4.21%	936,059	4.39%
Social Security	327,482	1.50%	289,478	1.36%
WRS pension	289,877	1.32%	255,989	1.20%
Other employee benefits	80,385	0.37%	84,885	0.40%
Total employee benefits	1,619,932	7.40%	1,566,411	7.34%
Total salaries, wages & employee benefits	5,948,366	27.18%	5,356,331	25.10%
Depreciation	5,350,000	24.45%	5,280,000	24.74%
PILOT payment to City	2,400,000	10.97%	2,285,111	10.71%
Contractor costs	3,198,600	14.62%	2,971,100	13.92%
Electric for pumping	627,000	2.87%	658,520	3.09%
Materials & supplies	772,530	3.53%	1,382,700	6.48%
Vehicle & equipment fuel & maintenance	444,000	2.03%	421,900	1.98%
Chemicals for water treatment	250,000	1.14%	247,700	1.16%
Outside services (legal, audit, engineering, City services)	535,400	2.45%	467,930	2.19%
Treatment plant electric & natural gas	145,000	0.66%	147,000	0.69%
Amortization of Ashwaubenon booster	131,453	0.60%	131,453	0.62%
Liability, property & workers' comp insurance	142,010	0.65%	117,600	0.55%
Water sample testing	134,500	0.61%	145,800	0.68%
Meetings, conventions and public relations	101,000	0.46%	89,160	0.42%
Office & vehicle building electric & natural gas	53,000	0.24%	50,000	0.23%
Other (phone, postage, bad debts, etc.)	49,500	0.23%	53,074	0.25%
Debt interest and amortization	1,600,456	7.31%	1,537,947	7.21%
Total Expenses	$ 21,882,815	100.00%	$ 21,343,326	100.00%

GREEN BAY WATER UTILITY

Schedule of Cash Flows

2021 BUDGET

	Total	Green Bay	Ashwaubenon
Cash Balance 12/31/18	$ 6,004,254	$ (2,868,872)	$ 8,873,126
Net Income	$ 4,950,381	$ 2,669,409	$ 2,280,972
Capital Contribution	(683,423)	(683,423)	-
Depreciation	5,373,248	5,373,248	-
Amortization	131,453	131,453	-
LT debt proceeds/prem	21,866,541	21,866,541	-
LT debt pmts	(25,765,000)	(25,436,768)	(328,232)
Amortization of debt prem/disc.	1,778	1,778	-
Interest on debt reserve	(332,666)	(332,666)	-
Fixed asset purchases	(5,018,486)	(4,970,773)	(47,713)
Net change in cash	523,826	(1,381,201)	1,905,027
Cash Balance 12/31/19	$ 6,528,080	$ (4,250,073)	$ 10,778,153
Net Income	$ 4,636,434	$ 2,244,905	$ 2,391,529
Capital Contribution	(725,000)	(725,000)	-
Depreciation	5,391,434	5,391,434	-
Amortization	131,453	131,453	-
LT debt proceeds	-	-	-
LT debt pmts	(3,705,000)	(3,363,399)	(341,601)
Amortization of debt prem/disc.	(199,653)	(199,653)	-
Interest on debt reserve	(155,000)	(155,000)	-
Fixed asset purchases	(6,116,100)	(5,786,260)	(329,840)
Net change in cash	(741,432)	(2,461,520)	1,720,088
Cash Balance 12/31/20	$ 5,786,648	$ (6,711,593)	$ 12,498,241
Net Income	$ 3,286,703	$ 779,127	$ 2,507,576
Capital Contribution	(500,000)	(500,000)	-
Depreciation	5,461,434	5,461,434	-
Amortization	131,453	131,453	-
LT debt proceeds	7,565,000	7,565,000	-
LT debt pmts	(3,775,000)	(3,426,945)	(348,055)
Amortization of debt prem/disc.	(229,931)	(229,931)	-
Interest on debt reserve	(175,000)	(175,000)	-
Fixed asset purchases	(11,939,593)	(11,822,593)	(117,000)
Net change in cash	(174,934)	(2,217,455)	2,042,521
Cash Balance 12/31/21	$ 5,611,714	$ (8,929,048)	$ 14,540,762

GREEN BAY WATER UTILITY

PROJECTED 2021 RATE OF RETURN ANALYSIS

(Excluding Ashwaubenon Wholesale Operations)

2021 BUDGET

	1/1/20	12/31/20	AVERAGE
Plant in Service (Utility Financed)	$ 198,752,209	$ 203,452,209	$ 201,102,209
Less: Accumulated Depreciation	79,960,035	83,660,035	81,810,035
Net Capital Investment (Utility Financed)	118,792,174	119,792,174	119,292,174
Plus: Materials & Supplies	498,043	500,000	499,022
Rate Base	$ 119,290,217	$ 120,292,174	$ 119,791,196
Less: Regulatory Liability			704,696
Net Investment Rate Base			$ 119,086,500
Net Operating Income			$ 4,276,828
Rate of Return			3.59%

AUTHORIZED RATE OF RETURN: 3.9%

	1/1/21	12/31/21	AVERAGE
Plant in Service (Utility Financed)	$ 203,452,209	$ 212,452,209	$ 207,952,209
Less: Accumulated Depreciation	83,660,035	86,660,035	85,160,035
Net Capital Investment (Utility Financed)	119,792,174	125,792,174	122,792,174
Plus: Materials & Supplies	500,000	510,000	505,000
Rate Base	$ 120,292,174	$ 126,302,174	$ 123,297,174
Less: Regulatory Liability			503,351
Net Investment Rate Base			$ 122,793,823
Net Operating Income			$ 2,937,641
Rate of Return			2.39%

AUTHORIZED RATE OF RETURN: 3.9%

GREEN BAY WATER UTILITY

CAPITAL IMPROVEMENTS

2021 BUDGET

Project	Department	Amount
Building Addition and Remodel	Administrative	$ 5,800,000
GIS Server Upgrade and Storage Enhancements	Administrative	15,000
Miscellaneous Network and PC Upgrades	Administrative	20,000
Phone System Upgrade	Administrative	65,000
Server Optimization Upgrades with Hard Drive Racks	Administrative	90,000
Distribution Vehicles	Distribution	108,000
Metering & Cross Connection Vehicles	Distribution	70,000
Small Equipment	Distribution	25,000
Small Safety Equipment	Distribution	10,000
Cityworks Upgrades and Implementations	Engineering	40,000
ESRI Upgrade	Engineering	100,000
Water Main Relays	Engineering	4,950,000
Meter Reading Software Upgrade	Metering & Cross Connection	125,000
Meter Replacement	Metering & Cross Connection	299,593
54/57 Well Switch Gear	Pumping	30,000
Lab Equipment	Treatment	40,000
Orbisphere Sensor Replacement	Treatment	20,000
Residuals Management Remediation Engineering Costs	Treatment	75,000
Small Equipment/Fixtures	Treatment	17,000
Treatment Plant Security Upgrade	Treatment	40,000
Total Project Costs		$ 11,939,593
Funding Sources:		
Water User Fees		$ 5,974,593
Revenue Bonds		5,965,000
Total Funding Sources		$ 11,939,593

See 2021 Five-Year Capital Improvement Plan for detail on each project.

GREEN BAY WATER UTILITY

2021
FIVE-YEAR
CAPITAL IMPROVEMENT PLAN

THE MISSION OF THE GREEN BAY WATER UTILITY IS TO PROVIDE A RELIABLE, HIGH-QUALITY DRINKING WATER SUPPLY WITH EXCEPTIONAL CUSTOMER SERVICE AND VALUE.

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROGRAM DEVELOPMENT

It is the intent of the Green Bay Water Utility to maintain a Capital Improvement Plan both to provide physical facilities that are responsive to the needs and demands of the Utility and Utility customers and to be supportive of the long and short range economic, social and environmental development policies of the Utility.

Development of the Five-Year Capital Improvement Plan entails planning together by the various departments within the Utility and with the Business Manager and General Manager. Project requests are submitted by departments in preparation of their operating budget requests. Project and operating budget requests are reviewed by the General Manager in order to develop a capital program and to balance the operating impacts of projects and their funding sources. The Five-Year Capital Improvement Plan is updated each year as an essential component of budget development.

The Five-Year Capital Improvement Plan serves as a planning tool for future growth and development within the Utility. Funds are appropriated in the budget for the current year only, with subsequent years being separately authorized with that year's budget. Sound planning, project descriptions and accurate cost estimates aid in the formulation of a plan that is used as a valuable management tool in accomplishing needed capital improvements within the Utility's ability to pay.

Expenditures consist of a permanent addition to the Utility's assets of major importance and cost and according to Public Service Commission (PSC) definitions. The cost of land acquisition, construction, renovation and equipment are included. Capital Plan assets should have a multi-year useful life or extend the useful life of an existing asset. The Plan includes projects costing $10,000 or greater.

Funding is provided by user fees "rates" charged to the customers who receive services provided by the Utility. Funding can also be generated through the borrowing of funds (principal) at a cost (interest). Revenue bonds are the main instrument used.

Significant operating and maintenance expenses that are related to maintaining the Utility's capital assets are also included. These are non-frequent or one-time expenses that do not meet the PSC definitions of capital assets but that would have significant effects on our operating budget in a given year. Projects costing $300,000 or above are included. These expenses would mostly likely be funded by borrowing of funds and/or recovered through user fees over a number of years.

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
2021-2025

Page	Project	Dept.	2021	2022	2023	2024	2025	Total
2	Building Addition and Remodel	Administrative	$ 5,800,000	$ -	$ -	$ -	$ -	$ 5,800,000
3	Firewall Upgrade	Administrative	-	-	15,000	-	-	15,000
4	GIS Server Upgrade and Storage Enhancements	Administrative	15,000	15,000	15,000	15,000	15,000	75,000
5	Miscellaneous Network and PC Upgrades	Administrative	20,000	20,000	20,000	20,000	20,000	100,000
6	Phone System Upgrade	Administrative	65,000	-	-	-	-	65,000
7	Server Optimization Upgrades with Hard Drive Racks	Administrative	90,000	135,000	15,000	15,000	15,000	270,000
8	Village of Luxemburg Water Main	Administrative	-	-	1,100,000	-	-	1,100,000
9	Vehicle/Equipment Replacement Program Summary	Distribution	178,000	197,000	376,000	391,000	381,000	1,523,000
10-14	Distribution Vehicles							
15-17	Metering & Cross Connection Vehicles							
18	Pumping Vehicles							
19	Treatment Plant Vehicles							
20	Small Equipment	Distribution	25,000	25,000	25,000	25,000	25,000	125,000
21	Small Safety Equipment	Distribution	10,000	10,000	10,000	10,000	10,000	50,000
22	Cityworks Upgrades and Implementations	Engineering	40,000	30,000	20,000	20,000	20,000	130,000
23	ESRI Upgrade	Engineering	100,000	-	-	-	-	100,000
24-28	Water Main Relays	Engineering	4,950,000	5,200,000	5,400,000	5,600,000	5,800,000	26,950,000
29	Meter Reading Software Upgrade	Metering & Cross Connection	125,000	-	-	-	-	125,000
30	Meter Replacement	Metering & Cross Connection	299,593	406,085	446,039	521,328	512,645	2,185,690
31	54/57 Vault Replacement	Pumping	-	60,000	-	-	-	60,000
32	54/57 Well Switch Gear	Pumping	30,000	-	-	-	-	30,000
33	Bader Zone Water Tower	Pumping	-	-	300,000	2,700,000	-	3,000,000
34	Generator Build. and Equip. Replacement at Lake Station	Pumping	-	-	800,000	-	-	800,000
35	Quincy Tank Mixer	Pumping	-	20,000	-	-	-	20,000
36	Diesel Generator Replacement	Treatment	-	-	-	250,000	-	250,000
37	Filter Media	Treatment	-	-	-	-	250,000	250,000
38	Lab Addition	Treatment	-	250,000	-	-	-	250,000
39	Lab Equipment	Treatment	40,000	40,000	40,000	40,000	40,000	200,000
40	Orbisphere Sensor Replacement	Treatment	20,000	-	-	-	-	20,000
41	Residuals Management Remediation Engineering Costs	Treatment	75,000	-	-	-	-	75,000
42	Residuals Management Project	Treatment	-	6,000,000	-	-	-	6,000,000
43	Small Equipment/Fixtures	Treatment	17,000	-	-	-	-	17,000
44	Treatment Plant Security Upgrade	Treatment	40,000	-	-	-	-	40,000
45	Turbidity Meters	Treatment	-	140,000	-	-	-	140,000
	Total Project Costs		$ 11,939,593	$ 12,548,085	$ 8,582,039	$ 9,607,328	$ 7,088,645	$ 49,765,690
	Funding Sources:							
	Water User Fees		$ 5,974,593	$ 6,548,085	$ 7,482,039	$ 6,907,328	$ 7,088,645	$ 34,000,690
	Revenue Bonds		5,965,000	6,000,000	1,100,000	2,700,000	-	15,765,000
	Total Funding Sources		$ 11,939,593	$ 12,548,085	$ 8,582,039	$ 9,607,328	$ 7,088,645	$ 49,765,690

See pages 46-51 for Significant Operating and Maintenance Expenses

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Building Addition and Remodel

Department: Administrative

Project Description & Justification:

Remodel the existing office to create more offices and maximize space.
Build addition for mechanic bays, vehicle storage and large training space.

Impact on On-going Operating Costs/Personnel Requirements:

No material impacts on operating costs are expected due to more efficient lighting, HVAC, etc. More personnel are expected to be hired due to contracting with other municipalities for regional billing services. These costs will be offset by additional income charged for providing these services.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 5,800,000	$ -	$ -	$ -	$ -	$ 5,800,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Firewall Upgrade

Department: Administrative

Project Description & Justification:

In 2023, firewall upgrade will be needed for hardware to stay in compliance.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary					
2021	**2022**	**2023**	**2024**	**2025**	**Total**
$ -	$ -	$ 15,000	$ -	$ -	$ 15,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: GIS Server Upgrade & Storage Enhancements

Department: Administrative

Project Description & Justification:

Miscellaneous hardware changes on servers and storage for GIS system.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 15,000	$ 15,000	$ 15,000	$ 15,000	$ 15,000	$ 75,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Miscellaneous Network and PC Upgrades

Department: Administrative

Project Description & Justification:

Yearly hardware changes on office desktops, laptops, printers, etc. Yearly software changes on office desktops.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 20,000	$ 20,000	$ 20,000	$ 20,000	$ 20,000	$ 100,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Phone System Upgrade

Department: Administrative

Project Description & Justification:

In 2021 phone system upgrade will be needed for hardware to stay in compliance. Additional features and capacity will be needed to meet the demands of our billing customers, citizens and staff.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 65,000	$ -	$ -	$ -	$ -	$ 65,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Server Optimization Upgrades with Hard Drive Racks

Department: Administrative

Project Description & Justification:

Miscellaneous upgrades to hardware and software associated with data storage system and servers. In 2021, there will be operating system upgrades to the servers. The servers will be going up to 2016 or 2019 Microsoft Operating System on the servers. In 2022, upgrade the hardware at the main office and treatment plant.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary					
2021	**2022**	**2023**	**2024**	**2025**	**Total**
$ 90,000	$ 135,000	$ 15,000	$ 15,000	$ 15,000	$ 270,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Village of Luxemburg Water Main

Department: Administrative

Project Description & Justification:

Contribution to Construction based on if Luxemburg guaranteed 0.325 MGD usage.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary					
2021	**2022**	**2023**	**2024**	**2025**	**Total**
$ -	$ -	$1,100,000	$ -	$ -	$ 1,100,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
VEHICLE/EQUPMENT REPLACEMENT PROGRAM SUMMARY
2021 - 2025

2021

ID	Year	Make	Model	Department	Description	Condition	Anticipated miles/hours	Recommended Replacement	Est. Replacement Cost	Disposition
90	2007	Chev	Silverado 2500	Distribution	Valve turner/hydrant flusher truck	5	100,000	125,000 miles or <5	$58,000	Sell
209	2006	GMC	Canyon	Distribution	On-Call truck	4	125,000	125,000 miles or <5	$50,000	Sell
111	2008	Chev	2500 Van	Metering	Front line daily usage	3	75,000	125,000 miles or <4	$35,000	Sell
110	2008	Chev	2500 Van	Metering	Front line daily usage	4	90,000	125,000 miles or <4	$35,000	Keep - Misc. Fleet
								TOTAL	$178,000	

2022

ID	Year	Make	Model	Department	Description	Condition	Anticipated miles/hours	Recommended Replacement	Est. Replacement Cost	Disposition
7	2015	Cat	Backhoe	Distribution	Front line daily usage	6	7,900 hours	7,500 hours	$115,000	Sell along with #60 or #61
207	2006	GMC	Canyon	Distribution	Foreman truck	5	125,000	125,000 miles or <5	$32,000	Keep - Misc. Fleet
428	2012	Ventrac	Utility	Treatment	Industrial mower	6	1,600 hours	1,600 hours	$50,000	Sell
								TOTAL	$197,000	

2023

ID	Year	Make	Model	Department	Description	Condition	Anticipated miles/hours	Recommended Replacement	Est. Replacement Cost	Disposition
14	2018	Chev	Silverado 3500	Distribution	Crew truck	9	55,000	55,000 miles	$60,000	Keep - Misc. Fleet
98	2009	Intl	Dump Truck	Distribution	Front line daily usage	5	100,000	100,000 miles	$150,000	Sell
8	2015	Cat	Backhoe	Distribution	Front line daily usage	7	7,900	7,500 hours	$120,000	Sell along with #60 or #61
5	2015	Chev	Silverado 2500	Distribution	UDF/service truck	6	127,000	125,000 miles	$46,000	Keep - Misc. Fleet
								TOTAL	$376,000	

2024

ID	Year	Make	Model	Department	Description	Condition	Anticipated miles/hours	Recommended Replacement	Est. Replacement Cost	Disposition
16	2019	Chev	Silverado 3500	Distribution	Crew truck	10	55,000	55,000 miles	$65,000	Keep - Misc. Fleet
3	2016	Mack	Dump Truck	Distribution	Front line daily usage	7	100,000	100,000 miles	$150,000	Keep - Misc. Fleet
4	2015	Chev	Silverado 2500	Distribution	Locate/service truck	7	125,000	125,000 miles	$46,000	Keep - Misc. Fleet
113	2013	Ford	E250 Van	Metering	Service van	5	126,000	125,000 miles or <4	$40,000	Sell or keep
307	2017	Chev	Colorado	Pumping	Electrician work truck	7	125,000	125,000 miles	$45,000	Sell or keep
308	2017	Chev	Colorado	Pumping	Electrician work truck	7	125,000	125,000 miles	$45,000	Sell or keep
								TOTAL	$391,000	

2025

ID	Year	Make	Model	Department	Description	Condition	Anticipated miles/hours	Recommended Replacement	Est. Replacement Cost	Disposition
15	2017	Cat	Backhoe	Distribution	Backhoe	9	7,500	7,500 hours	$120,000	Sell
9	2016	Freightliner	Dump Truck	Distribution	Front line daily usage	8	100,000	100,000 miles	$150,000	Keep - Misc. Fleet
95	2009	Ford	F250	Distribution	mounted/service truck	6	125,000	125,000 miles	$50,000	Keep - Misc. Fleet
210	2009	Pont	G6	Distribution	IT daily usage	7	125,000	125,000 miles	$26,000	Sell
114	2013	Ford	E250 Van	Metering	Service van	6	125,000	125,000 miles	$35,000	Sell or keep
								TOTAL	$381,000	

Condition 1-10 - (1 = poor, 10 = excellent)

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Distribution Vehicles - 2021

Department: Distribution

Project Description & Justification:

$58,000 - Daily valve turner/hydrant flusher truck.
Replaces #90, a 2007 3/4 ton truck will be sold.

$50,000 - Front line daily use on call service truck.
Replaces #209, a 2006 truck will be sold.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for these equipment replacements is mileage and reliability (daily front line use). Given our climate, rust plays a significant roll in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last. The vehicles that these replace will go to auction.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 108,000	$ -	$ -	$ -	$ -	$ 108,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Distribution Vehicles - 2022

Department: Distribution

Project Description & Justification:

$115,000 - Front line daily use backhoe.
Replaces #7, a 2015 backhoe will be traded in along with either #60, a 2007 backhoe or #61, a 2010 backhoe.

$32,000 - Daily use foreman transportation vehicle.
Replaces #207, a 2006 pickup truck will become a miscellaneous fleet vehicle.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for these equipment replacements is mileage and reliability (daily front line use). Given our climate, rust plays a significant roll in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last. Vehicle #7 will be traded in along with #60 or #61. Vehicle #207 will remain in the fleet until it reaches its maximum service life and then be retired.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ 147,000	$ -	$ -	$ -	$ 147,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Distribution Vehicles - 2023

Department: Distribution

Project Description & Justification:

$60,000 - Front line daily use crew truck.
Replaces #14, a 2018 crew truck will become a miscellaneous fleet vehicle.

$150,000 - Front line daily use dump truck.
Replaces #98, a 2009 dump truck will be sold.

$120,000 - Front line daily use backhoe.
Replaces #8, a 2015 backhoe will be sold along with either #60, a 2007 backhoe or #61, a 2010 backhoe.

$46,000 - Front line daily use UDF/service truck.
Replaces #5, a 2015 truck will become a miscellaneous fleet vehicle.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for these equipment replacements is mileage and reliability (daily front line use). Given our climate, rust plays a significant roll in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last. Vehicles #14 and #5 will remain in the fleet until they reach their maximum service life and then be retired. Vehicles #98 and #8 will go to auction.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ -	$ 376,000	$ -	$ -	$ 376,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Distribution Vehicles - 2024

Department: Distribution

Project Description & Justification:

$65,000 - Front line daily use crew truck.
Replaces #16, a 2019 crew truck will become a miscellaneous fleet vehicle.

$150,000 - Front line daily use dump truck.
Replaces #3, a 2016 dump truck will become a miscellaneous fleet vehicle.

$46,000 - Front line daily use locate/service truck.
Replaces #4, a 2015 locate/service truck will become a miscellaneous fleet vehicle.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for these equipment replacements is mileage and reliability (daily front line use). Given our climate, rust plays a significant roll in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last. The replaced vehicles will remain in the fleet until they reach their maximum service life and then be retired.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ -	$ -	$ 261,000	$ -	$ 261,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Distribution Vehicles - 2025

Department: Distribution

Project Description & Justification:

$150,000 - Front line daily use dump truck.
Replaces #9, a 2016 dump truck will become a miscellaneous fleet vehicle.

$120,000 - Front line daily use backhoe.
Replaces #15, a 2017 backhoe will be sold.

$50,000 - Front line daily use valve turner mounted/service truck.
Replaces #95, a 2009 valve turner mounted/service truck will become a miscellaneous fleet vehicle.

$26,000 - Front line daily use miscellaneous transportation vehicle.
Replaces #210, a 2009 vehicle will be sold.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for these equipment replacements is mileage and reliability (daily front line use). Given our climate, rust plays a significant roll in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last. Vehicles #9 and #4 will remain in the fleet until they reach their maximum service life and then be retired. Vehicles #15 and #210 will go to auction.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ -	$ -	$ -	$ 346,000	$ -

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Metering & Cross Connection Vehicles - 2021

Department: Distribution

Project Description & Justification:

$35,000 - Front line daily use service van.
Replaces vehicle #111, a 2008 service van will be sold.
Carry over from 2020. Vehicle was not in production in 2020 due to the COVID Pandemic.

$35,000 - Front line daily use service van.
Replaces vehicle #110, a 2008 service van will become a miscellaneous fleet vehicle.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for these equipment replacements is mileage and reliability (daily front line use). Given our climate, rust plays a significant roll in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last. Vehicle #111 will go to auction and vehicle #110 will remain in the fleet until it reaches its maximum service life and then be retired.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 70,000	$ -	$ -	$ -	$ -	$ 70,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Metering & Cross Connection Vehicle - 2024

Department: Distribution

Project Description & Justification:

Front line daily use service van.
Replaces #113, a 2013 service van will be sold or become a miscellaneous fleet vehicle.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for these equipment replacements is mileage and reliability (daily front line use). Given our climate, rust plays a significant roll in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last. The vehicle that this one replaces will be sold or remain in the fleet until it reaches its maximum service life and then be retired.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ -	$ -	$ 40,000	$ -	$ 40,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Metering & Cross Connection Vehicle - 2025

Department: Distribution

Project Description & Justification:

Front line daily use service van.
Replaces #114, a 2013 service van will be sold or become a miscellaneous fleet vehicle.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for these equipment replacements is mileage and reliability (daily front line use). Given our climate, rust plays a significant roll in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last. The vehicle that this one replaces will be sold or remain in the fleet until it reaches its maximum service life and then be retired.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ -	$ -	$ -	$ 35,000	$ -

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Pumping Vehicles - 2024

Department: Distribution

Project Description & Justification:

(2) Front line daily use pumping electrician work trucks.
Replaces #307 and #308, 2017 model trucks will be sold or become a miscellaneous fleet vehicles.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for these equipment replacements is mileage and reliability (daily front line use). Given our climate, rust plays a significant roll in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last. The vehicles that these replace will be sold or remain in the fleet until they reach their maximum service life and then be retired.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ -	$ -	$ 90,000	$ -	$ 90,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Treatment Plant Vehicle - 2022

Department: Distribution

Project Description & Justification:

Industrial mower to cut at the filter plant.
Replaces #428, a 2012 Ventrac utility vehicle will be sold.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for these equipment replacements is hours and reliability (daily front line use). The vehicle that this one replaces will go to auction.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ 50,000	$ -	$ -	$ -	$ 50,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Small Equipment

Department: Distribution

Project Description & Justification:

This request is for the purchase of new vehicle equipment for set up or for new or replacement of equipment. Items included would ranges from $500 - $10,000. Examples would be generators, pipe saws, gas and electric pumps, valve operators, trench compactors, inspection cameras, pipe tapping machine, pipe tapping motors, welders and torch kits. The major factor for these equipment replacements is maintenance and reliability (daily front line use).

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 125,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Small Safety Equipment

Department: Distribution

Project Description & Justification:

This request is for the replacement of safety equipment ranging in price from $500 - $10,000. Examples would be trench shields, air shores, fin form trench wall plates, large steel shoring plates, davit systems for confined space entry/exit, oxygen monitors and ventilators. The major factor for these equipment replacements is maintenance and reliability (daily front line use).

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 50,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Cityworks Upgrades & Implementations

Department: Engineering

Project Description & Justification:

Cityworks ugrades, pumping section implementation, treatment plant implementation & general assistance through Power Engineers.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 40,000	$ 30,000	$ 20,000	$ 20,000	$ 20,000	$ 130,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: ESRI Upgrade

Department: Engineering

Project Description & Justification:

ESRI is moving to a different platform and our GIS would not be supported any longer.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 100,000	$ -	$ -	$ -	$ -	$ 100,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Water Main Relays - 2021

Department: Engineering

Project Description & Justification:

Relays on Resurfacing Streets:
Division Street - $210,000
Fellows Street - $170,000
Forest Glen Drive - $190,000
Guns Road - $110,000
Irene Street - $190,000
Murphy Drive - $110,000
Oneida Street - $70,000
Oregon Street - $760,000
Platten Street - $90,000
Proper Street - $210,000
Sundale Drive - $70,000

Relays on Reconstructed Streets:
Gray Street - $600,000
Jackson Street - $1,640,000
Maple Avenue - $340,000

Water Utility Stand Alone Relays:
Badger Street - $40,000
Hazelwood Lane - $150,000

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 4,950,000	$ -	$ -	$ -	$ -	$ 4,950,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Water Main Relays - 2022

Department: Engineering

Project Description & Justification:

Relays on Resurfacing Streets:
Average - $4,200,000

Relays on Reconstructed Streets:
Average - $1,000,000

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary					
2021	**2022**	**2023**	**2024**	**2025**	**Total**
$ -	$ 5,200,000	$ -	$ -	$ -	$ 5,200,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Water Main Relays - 2023

Department: Engineering

Project Description & Justification:

Relays on Resurfacing Streets:
Average - $4,400,000

Relays on Reconstructed Streets:
Average - $1,000,000

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ -	$ 5,400,000	$ -	$ -	$ 5,400,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Water Main Relays - 2024

Department: Engineering

Project Description & Justification:

Relays on Resurfacing Streets:
Average - $4,600,000

Relays on Reconstructed Streets:
Average - $1,000,000

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ -	$ -	$ 5,600,000	$ -	$ 5,600,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Water Main Relays - 2025

Department: Engineering

Project Description & Justification:

Relays on Resurfacing Streets:
Average - $4,800,000

Relays on Reconstructed Streets:
Average - $1,000,000

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ -	$ -	$ -	$ 5,800,000	$ 5,800,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Meter Reading Software Upgrade

Department: Metering & Cross Connection

Project Description & Justification:

Our current software used to read meters is Aclara. This software is being upgraded to AclaraONE. The current software support is being phased out. This upgrade will allow us to have better access to information relating to how our equipment is operating. It will help with improved tools to check consumption levels, low batteries, possible leaks, etc. The reporting features are also enhanced. This upgrade will allow us to provide some enhanced customer service features for our customers as well.

Impact on On-going Operating Costs/Personnel Requirements:

Annual maintenance of software will probably increase. Subscription costs of hosting the software or equipment to host internally. TBD.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 125,000	$ -	$ -	$ -	$ -	$ 125,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Meter Replacement

Department: Metering & Cross Connection

Project Description & Justification:

Meters are replaced every year according to PSC guidelines. The following is a listing of the number of meters and MTUs that will be replaced each year (including labor):

2021: Meters - 1,472 MTUs - 1,000
2022: Meters - 1,581 MTUs - 1,250
2023: Meters - 985 MTUs - 1,250
2024: Meters - 1,349 MTUs - 1,250
2025: Meters - 1,000 MTUs - 1,165

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 299,593	$ 406,085	$ 446,039	$ 521,328	$ 512,645	$ 2,185,690

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: 54/57 Vault Replacement

Department: Pumping

Project Description & Justification:

Use old Bay Highlands vault to replace 54/57 vault.
Reduce safety hazard for work and be able to install metering in vault.

Impact on On-going Operating Costs/Personnel Requirements:

Will be able to track water flow into zone and will be able to do maintenance with one employee. Reason for moving was because pulling it was taken out of budget because of the COVID pandemic.

COST ANALYSIS Estimated Cash Summary					
2021	**2022**	**2023**	**2024**	**2025**	**Total**
$ -	$ 60,000	$ -	$ -	$ -	$ 60,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: 54/57 Well Switch Gear

Department: Pumping

Project Description & Justification:

Replace switch gear with gear we took out of Deckner well.

Impact on On-going Operating Costs/Personnel Requirements:

Salvage of old equipment that isn't repairable.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 30,000	$ -	$ -	$ -	$ -	$ 30,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Bader Zone Water Tower

Department: Pumping

Project Description & Justification:

Install 1 million gallon water tower in Bader zone. Includes the purchase of land in 2023.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary					
2021	**2022**	**2023**	**2024**	**2025**	**Total**
$ -	$ -	$ 300,000	$ 2,700,000	$ -	$ 3,000,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Generator Building and Equipment Replacement at Lake Station

Department: Pumping

Project Description & Justification:

Install a new 2 megawatt generator including switch gear and accommodating structure at the lake station. New building and HVAC system to move air when generator is running. Keeping existing generator for backup which will enable us to power all pumps if needed.

Impact on On-going Operating Costs/Personnel Requirements:

Would allow us to run more pumps, improve efficiency and provide greater reliability.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ -	$ 800,000	$ -	$ -	$ 800,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Quincy Tank Mixer

Department: Pumping

Project Description & Justification:

Put a SolarBee mixer in the Quincy tank to improve chlorine levels and water quality.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ 20,000	$ -	$ -	$ -	$ 20,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Diesel Generator Replacement

Department: Treatment

Project Description & Justification:

The 650 KW diesel generator at the Treatment Plant that provides backup to the ozone facility is approaching 20 years old and needs to be replaced.

Impact on On-going Operating Costs/Personnel Requirements:

I do not anticipate any impact on operating costs and no additional personnel required.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ -	$ -	$ 250,000	$ -	$ 250,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Filter Media

Department: Treatment

Project Description & Justification:

We will most likely need to add additional filter media, in the form of anthracite, to each filter. Over time, media is lost from each filter primarily during the filter back wash process.

Impact on On-going Operating Costs/Personnel Requirements:

I do not anticipate any additional costs.

COST ANALYSIS Estimated Cash Summary					
2021	**2022**	**2023**	**2024**	**2025**	**Total**
$ -	$ -	$ -	$ -	$ 250,000	$ 250,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Lab Addition

Department: Treatment

Project Description & Justification:

The upgrading/expansion of the lab will allow for more in house testing of water quality parameters with the goal of achieving improved finished water quality.

Impact on On-going Operating Costs/Personnel Requirements:

There will be additional on-going operating costs for such things as lab equipment maintenance, lab supplies, etc.

COST ANALYSIS Estimated Cash Summary					
2021	**2022**	**2023**	**2024**	**2025**	**Total**
$ -	$ 250,000	$ -	$ -	$ -	$ 250,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Lab Equipment

Department: Treatment

Project Description & Justification:

As we continue to expand our lab capabilities we need to purchase new lab equipment.

Impact on On-going Operating Costs/Personnel Requirements:

No new personnel will be needed but, there will most likely be additional operating costs such as equipment maintenance, reagents, etc.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 200,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Orbisphere Sensor Replacement

Department: Treatment

Project Description & Justification:

Orbisphere sensors are used to measure ozone residual in water. These are continuous on line sensors. Over time these sensors fail and need to be rebuilt/replaced. We typically run these sensors until they fail. We have made the decision to replace these units with ATI residual ozone analyzers. $20,000 will allow us to replace the 7 remaining Orbisphere units.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 20,000	$ -	$ -	$ -	$ -	$ 20,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Residuals Management Remediation Engineering Costs

Department: Treatment

Project Description & Justification:

Residuals Management Study will be completed in 2020. This study will identify several options for residuals remediation. These options could include such things as sanitary sewer pipeline, treatment process changes, etc. In 2021, we will determine a residuals remediation option and start the design process. I would anticipate any required construction to start in 2022.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary					
2021	**2022**	**2023**	**2024**	**2025**	**Total**
$ 75,000	$ -	$ -	$ -	$ -	$ 75,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Residuals Management Project

Department: Treatment

Project Description & Justification:

Implement recommendations from the residuals management study that is being performed during 2021. This may include the construction of a sanitary sewer, organic removal treatment process or other residuals treatment that will allow for disposal of any solids/sludge that are produced during the treatment process.
This new disposal method will help reduce the amount of concentrated organics that are currently being recycled to the head of the plant. This means a reduction in organics that need to be removed from the water and improved water quality.

Impact on On-going Operating Costs/Personnel Requirements:

There could be additional operating costs. Specifically the cost for sending this waste to NEW Water.

COST ANALYSIS Estimated Cash Summary					
2021	**2022**	**2023**	**2024**	**2025**	**Total**
$ -	$ 6,000,000	$ -	$ -	$ -	$ 6,000,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Small Equipment/Fixtures

Department: Treatment

Project Description & Justification:

2-New signs to replace existing signs in front of filter plant and ozone buildings - $7,500
Portable valve turner that will be used to open/close valves on settling basins and slow mix basin during the twice yearly cleaning of basins - $9,500

Impact on On-going Operating Costs/Personnel Requirements:

None

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ 17,000	$ -	$ -	$ -	$ -	$ 17,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Treatment Plant Security Upgrade

Department: Treatment

Project Description & Justification:

Installation of new security cameras and operating software at treatment plant. This project will replace existing cameras and software installed in 2003. This project will also include two new Pan Tilt Zoom (PTZ) cameras that were not part of the 2003 project. This project was started in 2020 and was not able to be completed due to timing issues.

Impact on On-going Operating Costs/Personnel Requirements:

There should be no impact.

COST ANALYSIS Estimated Cash Summary					
2021	**2022**	**2023**	**2024**	**2025**	**Total**
$ 40,000	$ -	$ -	$ -	$ -	$ 40,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2021 - 2025

Project Title: Turbidity Meters

Department: Treatment

Project Description & Justification:

Replace existing turbidity meters on all filters plus raw water, settled water, north & south filter effluent and east & west finished water locations. Total of 18 units.

Impact on On-going Operating Costs/Personnel Requirements:

I do not anticipate any impact on operating costs and no additional personnel are required.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ 140,000	$ -	$ -	$ -	$ 140,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - SIGNIFICANT OPERATING AND MAINTENANCE EXPENSES
2021-2025

Page	Project	Dept.	2021	2022	2023	2024	2025	Total
47	PipeDiver Analysis of 36" Transmission Mains	Engineering	$ 1,600,000	$ -	$ -	$ -		$ 1,600,000
48	Abandon Highway B Booster	Pumping	-	-	-	-	300,000	300,000
49	Ozone Generator/PSU Upgrade	Treatment	-	-		-	600,000	600,000
50	Tank Painting - 150,000 Gallon	Treatment	-	400,000	-	-	-	400,000
51	Tank Painting - 500,000 Gallon	Treatment	-	-	-	425,000	-	425,000
	Total Project Costs		$ 1,600,000	$ 400,000	$ -	$ 425,000	$ 900,000	$ 3,325,000
	Funding Sources:							
	Water User Fees		$ -	$ 400,000	$ -	$ 425,000	$ 900,000	$ 1,725,000
	Revenue Bonds/State Trust Fund Loans		1,600,000	-	-	-	-	1,600,000
	Total Funding Sources		$ 1,600,000	$ 400,000	$ -	$ 425,000	$ 900,000	$ 3,325,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES
PROJECT REQUEST FOR 2021 - 2025

Project Title: PipeDiver Analysis of 36" Transmission Mains

Department: Engineering

Project Description & Justification:

Analyze the 36" transmission mains for wire breaks from the treatment plant to John Street PRV and the 36" main on Grandview from Finger to Highway 54/57.
This was performed in 2010 & was recommended to perform in 10 years.

Impact on On-going Operating Costs/Personnel Requirements:

Any repairs that are identified would be budgeted for in future budgets.

COST ANALYSIS Estimated Cash Summary					
2021	**2022**	**2023**	**2024**	**2025**	**Total**
$ 1,600,000	$ -	$ -	$ -	$ -	$ 1,600,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES
PROJECT REQUEST FOR 2021 - 2025

Project Title: Abandon Highway B Booster

Department: Pumping

Project Description & Justification:

Abandon Highway B booster including the reservoir.

Impact on On-going Operating Costs/Personnel Requirements:

Lower maintenance costs, streamline pumping operations.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ -	$ -	$ -	$ 300,000	$ 300,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES
PROJECT REQUEST FOR 2021 - 2025

Project Title: Ozone Generator/PSU Upgrade

Department: Treatment

Project Description & Justification:

Ozone generator #1 PSU and generator dielectrics will need to be upgraded.
It will be 12 years since the last rebuild.

Impact on On-going Operating Costs/Personnel Requirements:

I do not anticipate any impact on operating costs and no additional personnel requirements.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ -	$ -	$ -	$ 600,000	$ 600,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES
PROJECT REQUEST FOR 2021 - 2025

Project Title: Tank Painting - 150,000 Gallon

Department: Treatment

Project Description & Justification:

The 150,000 gallon elevated tank at the treatment plant needs to sand blasted and painted. The last painting was performed in 2005.

Impact on On-going Operating Costs/Personnel Requirements:

I do not anticipate any impact on operating costs and no additional personnel will be required.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ 400,000	$ -	$ -	$ -	$ 400,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES
PROJECT REQUEST FOR 2021 - 2025

Project Title: Tank Painting - 500,000 Gallon

Department: Treatment

Project Description & Justification:

The 500,000 gallon elevated tank at the treatment plant will need to be sand blasted and painted.
The tank was constructed in 2006 and has not been painted since.

Impact on On-going Operating Costs/Personnel Requirements:

I do not anticipate any impact on operating costs and no additional personnel are required.

COST ANALYSIS
Estimated Cash Summary

2021	2022	2023	2024	2025	Total
$ -	$ -	$ -	$ 425,000	$ -	$ 425,000

GREEN BAY WATER UTILITY
CASH POSITION
September 30, 2020

	12/31/2019	9/30/2020
UNRESTRICTED CURRENT ASSETS		
Cash & Investments - Operation & Maintenance		
Local Govt. Investment Pool	$ 103,329	$ 103,810
Associated Bank Checking	5,419,243	4,922,669
Working Cash Funds - Petty Cash	1,700	1,700
Total Cash & Investments - Operation & Maintenance	5,524,272	5,028,179
Assoc Bank Checking - Private Lead Service Replacement	69,887	-
RESTRICTED CURRENT ASSETS		
Cash & Investments - Bond Redemption		
Certificates of Deposit - Bond Redemption	890,000	4,000,000
Associated Bank Money Market Account	43,921	5,535
Total Cash & Investments - Bond Redemption	933,921	4,005,535
RESTRICTED LONG-TERM ASSETS		
Cash & Investments - Debt Reserve		
Associated Trust Money Market	33,020	124,575
Associated Trust Certificates of Deposit	511,149	540,364
Associated Trust Agency	249,950	250,018
Associated Trust Municipal Bonds	5,370,424	5,453,434
Total Cash & Investments - Debt Reserve	6,164,543	6,368,391
TOTAL CASH POSITION	$ 12,692,623	$ 15,402,104

GREEN BAY WATER UTILITY

BALANCE SHEET

September 30, 2020

	AS OF 12/31/2019	AS OF 9/30/2020
ASSETS		
Current Assets		
O & M Cash & Investments	$ 5,524,272	$ 5,028,179
Lead Service Replacement Cash	69,887	-
Lead Service Replacement Receivable	40	22,420
Interest Receivable	1,295	2,865
Accounts Receivable	9,747,989	7,087,550
Inventories	498,043	517,691
Prepayments	28,681	651,288
Total Current Assets	15,870,207	13,309,992
Property, Plant & Equipment		
Original Cost	232,799,188	233,602,633
Less: Accumulated Depreciation	(89,325,787)	(92,955,202)
Net Plant	143,473,401	140,647,430
Construction in Progress	105,153	4,748,372
Total Plant & Equipment	143,578,554	145,395,802
Restricted Assets		
Debt Reserve Fund	6,164,543	6,368,391
Bond Redemption Fund	933,921	4,005,535
Accrued Interest	48,671	62,099
Total Restricted Assets	7,147,135	10,436,024
Other Assets		
Unamortized Ashwaubenon Booster	1,511,713	1,413,123
Unamortized Wrightstown Loan/Grant	506,400	482,663
Unamortized Loss on Refunding	909,955	474,725
Net Pension Asset	-	-
Deferred Outflows-Pension	2,471,155	2,471,155
Total Other Assets	5,399,223	4,841,665
TOTAL ASSETS	$ 171,995,119	$ 173,983,483

GREEN BAY WATER UTILITY
BALANCE SHEET
September 30, 2020
Page 2

	AS OF 12/31/2019	AS OF 9/30/2020
LIABILITIES & FUND EQUITY		
Current Liabilities		
Accounts Payable	$ 506,804	$ 48,462
Sewer Billings Payable	5,177,798	3,591,343
Storm Water Billings Payable	2,137,889	1,652,326
Lead Service Replacement Grant	30,571	-
Accrued Vacation & Sick Leave Pay	439,369	439,369
Accrued Taxes	33,613	33,613
Total Current Liabilities	8,326,044	5,765,112
Other Liabilities		
Net Pension Liability	910,735	910,735
Deferred Outflows-Pension	1,262,931	1,262,931
Total Other Liabilities	2,173,666	2,173,666
Payable from Restricted Assets		
Current Portion of Long-Term Debt	3,705,000	3,705,000
Accrued Interest	450,683	612,595
Total Restricted Payables	4,155,683	4,317,595
Long-Term Debt - Net of Premiums & Discounts	44,743,445	44,261,598
TOTAL LIABILITIES	59,398,838	56,517,970
FUND EQUITY		
Contributed Capital		
City of Green Bay	736,907	736,907
Earned Surplus		
Restricted	2,991,452	6,118,429
Unrestricted	108,867,922	110,610,176
Total Earned Surplus	111,859,374	116,728,606
TOTAL FUND EQUITY	112,596,281	117,465,513
TOTAL LIABILITIES & FUND EQUITY	$ 171,995,119	$ 173,983,483

GREEN BAY WATER UTILITY

INCOME SUMMARY

September 30, 2020

	2020 BUDGET	BUDGET THRU SEPTEMBER	ACTUAL AS OF 9/30/2020	TOTAL BUDGET REMAINING VARIANCE
TOTAL OPERATING REVENUES	$ 23,647,750	$ 17,735,813	$ 16,848,982	$ (6,798,768)
OPERATING EXPENSES				
Pumping	2,970,879	2,228,159	842,836	2,128,043
Water Treatment	1,964,040	1,473,030	955,638	1,008,402
Transmission & Distribution	3,096,765	2,322,574	1,579,066	1,517,699
Customer Accounts	892,781	669,586	607,272	285,509
Administrative & General	11,170,080	8,377,560	7,425,637	3,744,443
Total Operating Expenses	20,094,545	15,070,909	11,410,449	8,684,096
Operating Profit (Loss)	3,553,205	2,664,904	5,438,532	1,885,327
Interest & Miscellaneous Income	1,486,011	1,114,508	488,626	(997,385)
Interest Expense	1,467,721	1,100,791	1,057,926	409,795
NET INCOME (LOSS)	$ 3,571,495	$ 2,678,621	$ 4,869,232	$ 1,297,737

GREEN BAY WATER UTILITY

INCOME & EXPENSE COMPARISON
BUDGET TO ACTUAL
September 30, 2020

	BUDGET THRU SEPTEMBER	ACTUAL AS OF 9/30/2020	DOLLAR VARIANCE	PERCENT VARIANCE
OPERATING REVENUES				
Residential & Apartment	$ 5,453,438	$ 5,378,792	$ (74,646)	-1.4%
Commercial & Restaurant	2,894,063	2,679,054	(215,008)	-7.4%
Industrial	4,122,563	3,803,856	(318,707)	-7.7%
Municipal	334,688	240,523	(94,164)	-28.1%
Sales to General Customers	12,804,750	12,102,224	(702,526)	-5.5%
Sales for Resale - Ashwaubenon	2,331,000	2,208,143	(122,857)	-5.3%
Sales for Resale - Scott	63,000	72,194	9,194	14.6%
Sales For Resale - Hobart	232,313	268,209	35,897	15.5%
Sales for Resale - Wrightstown	126,000	118,097	(7,903)	-6.3%
Public Fire Protection	1,039,500	996,619	(42,881)	-4.1%
Private Fire Protection	108,000	111,359	3,359	3.1%
Sewer & Stormwater Portion of Expenses	926,250	956,250	30,000	3.2%
Penalties	105,000	15,885	(89,115)	-84.9%
TOTAL OPERATING REVENUES	17,735,813	16,848,982	(886,831)	-5.0%
OPERATING EXPENSES				
PUMPING EXPENSE				
Purchased Water (602)	3,075	3,079	(4)	-0.1%
Maint of Intakes (613)	11,250	-	11,250	100.0%
Maint of Supply Mains (616)	1,231,917	11,320	1,220,597	99.1%
Pumping Operation Supervision (620)	23,686	36,611	(12,925)	-54.6%
Power Purchased for Pumping (623)	567,630	488,259	79,371	14.0%
Pumping Labor & Expense (624)	64,001	42,047	21,955	34.3%
Miscellaneous Pumping Expense (626)	52,907	57,969	(5,061)	-9.6%
Pumping Maintenance Supervision (630)	64,472	43,660	20,811	32.3%
Maintenance of Pumping Structures (631)	84,335	89,812	(5,477)	-6.5%
Maintenance of Power Prod Equip (632)	6,525	735	5,790	88.7%
Maintenance of Pumping Equipment (633)	118,362	69,345	49,017	41.4%
TOTAL PUMPING EXPENSE	2,228,159	842,836	1,385,324	62.2%
WATER TREATMENT EXPENSE				
Treatment Operations Supervision (640)	57,564	52,026	5,538	9.6%
Chemicals (641)	227,025	218,365	8,660	3.8%
Treatment Operations (642)	473,857	392,471	81,386	17.2%
Miscellaneous Water Treatment (643)	87,803	97,534	(9,732)	-11.1%
Treatment Maintenance Supervision (650)	19,188	21,855	(2,667)	-13.9%
Maint of Treatment Structures (651)	35,219	23,441	11,777	33.4%
Maint of Treatment Equipment (652)	572,375	149,947	422,429	73.8%
TOTAL WATER TREATMENT EXPENSE	1,473,030	955,638	517,392	35.1%
TRANSMISSION & DISTRIBUTION EXPENSE				
Stores Expense (163)	-	36,301	(36,301)	XXX
Unallocated Vehicle & Equip Expense (184)	-	(267,786)	267,786	XXX
Distribution Operation Supervision (660)	152,699	158,445	(5,745)	-3.8%
Transmission & Distribution Line Expense (662)	283,748	286,854	(3,107)	-1.1%
Meter Expense (663)	117,758	111,443	6,315	5.4%
Customer Installation Expense (664)	70,719	51,201	19,518	27.6%
Miscellaneous Distribution Expense (665)	182,270	159,627	22,643	12.4%
Maintenance of Reservoirs & Standpipes (672)	18,617	22,459	(3,843)	-20.6%
Maintenance of Mains (673)	1,021,447	663,677	357,770	35.0%
Private Services (674)	-	1,768	(1,768)	XXX
Maintenance of Services (675)	268,343	215,641	52,702	19.6%
Maintenance of Meters (676)	68,154	83,587	(15,433)	-22.6%
Maintenance of Hydrants (677)	138,820	55,849	82,971	59.8%
TOTAL TRANSMISSION & DISTRIBUTION EXPENSE	2,322,574	1,579,066	743,508	32.0%
CUSTOMER ACCOUNTS EXPENSE				
Meter Reading Expense (902)	22,911	23,597	(686)	-3.0%
Customer Records & Collection Expense (903)	638,425	580,044	58,380	9.1%
Uncollectible Accounts (904)	3,000	2,645	355	11.8%
Conservation/Educational Expense (906)	5,250	986	4,264	81.2%
TOTAL CUSTOMER ACCOUNTS EXPENSE	669,586	607,272	62,313	9.3%

GREEN BAY WATER UTILITY
INCOME & EXPENSE COMPARISON
BUDGET TO ACTUAL
September 30, 2020

ADMINISTRATIVE & GENERAL EXPENSE	BUDGET THRU SEPTEMBER	ACTUAL AS OF 9/30/2020	DOLLAR VARIANCE	PERCENT VARIANCE
Depreciation Expense (403 & 426)	$ 4,043,576	$ 3,417,084	$626,492	15.5%
Amortization of Non-Utility Plant (405)	98,590	98,590	(0)	0.0%
Taxes (408)	2,054,039	2,057,488	(3,450)	-0.2%
Administrative & General Salaries (920)	525,890	492,635	33,255	6.3%
Office Supplies & Expense (921)	65,250	55,489	9,761	15.0%
Outside Services Employed (923)	350,948	159,192	191,756	54.6%
Property Insurance (924)	46,200	59,167	(12,967)	-28.1%
Injuries & Damages (925)	42,000	35,991	6,009	14.3%
Employee Pension & Benefits (926)	962,784	898,343	64,441	6.7%
Regulatory Commission Expense (928)	7,500	7,679	(179)	-2.4%
Miscellaneous General Expense (930)	71,745	66,701	5,044	7.0%
Maintenance of General Plant (932)	109,040	77,277	31,763	29.1%
TOTAL ADMINISTRATIVE & GENERAL EXPENSE	8,377,560	7,425,637	951,923	11.4%
TOTAL OPERATING EXPENSES	15,070,909	11,410,449	3,660,459	24.3%
OPERATING PROFIT	2,664,904	5,438,532	2,773,628	104.1%
MISCELLANEOUS INCOME & (EXPENSE)				
Interest Income-Operating Accounts (419)	63,750	31,342	(32,408)	-50.8%
Interest Income-Debt Accounts (419)	185,250	245,623	60,373	32.6%
Misc Income/Contributed Capital (421)	543,750	227,936	(315,814)	-58.1%
Other Income (415, 416, 471, 472, 474)	321,758	191,719	(130,039)	-40.4%
Covid - 19 expenses (880's)	-	(207,993)	(207,993)	XXX
TOTAL MISC INCOME & (EXPENSE)	1,114,508	488,626	(625,882)	-56.2%
INTEREST EXPENSE (427, 428, 429)	1,100,791	1,057,926	42,865	3.9%
NET INCOME (LOSS)	$ 2,678,621	$ 4,869,232	$ 2,190,611	81.8%

GREEN BAY WATER UTILITY

CASH POSITION

October 31, 2020

		12/31/2019		10/31/2020
UNRESTRICTED CURRENT ASSETS				
Cash & Investments - Operation & Maintenance				
Local Govt. Investment Pool	$	103,329	$	103,819
Associated Bank Checking		5,419,243		6,183,305
Working Cash Funds - Petty Cash		1,700		1,700
Total Cash & Investments - Operation & Maintenance		5,524,272		6,288,824
Assoc Bank Checking - Private Lead Service Replacement		69,887		-
RESTRICTED CURRENT ASSETS				
Cash & Investments - Bond Redemption				
Certificates of Deposit - Bond Redemption		890,000		-
Associated Bank Money Market Account		43,921		5,000
Total Cash & Investments - Bond Redemption		933,921		5,000
RESTRICTED LONG-TERM ASSETS				
Cash & Investments - Debt Reserve				
Associated Trust Money Market		33,020		983,125
Associated Trust Certificates of Deposit		511,149		540,245
Associated Trust Agency		249,950		-
Associated Trust Municipal Bonds		5,370,424		4,837,878
Total Cash & Investments - Debt Reserve		6,164,543		6,361,249
TOTAL CASH POSITION	$	12,692,623	$	12,655,073

GREEN BAY WATER UTILITY

BALANCE SHEET

October 31, 2020

	AS OF 12/31/2019	AS OF 10/31/2020
ASSETS		
Current Assets		
O & M Cash & Investments	$ 5,524,272	$ 6,288,824
Lead Service Replacement Cash	69,887	0
Lead Service Replacement Receivable	40	51,435
Interest Receivable	1,295	0
Accounts Receivable	9,747,989	7,180,554
Inventories	498,043	507,137
Prepayments	28,681	449,749
Total Current Assets	15,870,207	14,477,698
Property, Plant & Equipment		
Original Cost	232,799,188	233,622,279
Less: Accumulated Depreciation	(89,325,787)	(93,356,915)
Net Plant	143,473,401	140,265,365
Construction in Progress	105,153	4,896,494
Total Plant & Equipment	143,578,554	145,161,859
Restricted Assets		
Debt Reserve Fund	6,164,543	6,361,249
Bond Redemption Fund	933,921	5,000
Accrued Interest	48,671	60,087
Total Restricted Assets	7,147,135	6,426,336
Other Assets		
Unamortized Ashwaubenon Booster	1,511,713	1,402,168
Unamortized Wrightstown Loan/Grant	506,400	480,025
Unamortized Loss on Refunding	909,955	458,694
Net Pension Asset	0	0
Deferred Outflows-Pension	2,471,155	2,471,155
Total Other Assets	5,399,223	4,812,042
TOTAL ASSETS	$ 171,995,119	$ 170,877,936

GREEN BAY WATER UTILITY
BALANCE SHEET
October 31, 2020

	AS OF 12/31/2019	AS OF 10/31/2020
LIABILITIES & FUND EQUITY		
Current Liabilities		
Accounts Payable	$ 506,804	$ 108,935
Sewer Billings Payable	5,177,798	3,693,429
Storm Water Billings Payable	2,137,889	1,714,592
Lead Service Replacement Grant	30,571	0
Accrued Vacation & Sick Leave Pay	439,369	439,369
Accrued Taxes	33,613	33,613
Total Current Liabilities	8,326,044	5,989,938
Other Liabilities		
Net Pension Liability	910,735	910,735
Deferred Outflows-Pension	1,262,931	1,262,931
Total Other Liabilities	2,173,666	2,173,666
Payable from Restricted Assets		
Current Portion of Long-Term Debt	3,705,000	3,775,000
Accrued Interest	450,683	0
Total Restricted Payables	4,155,683	3,775,000
Long-Term Debt - Net of Premiums & Discounts	44,743,445	40,465,387
TOTAL LIABILITIES	59,398,838	52,403,991
FUND EQUITY		
Contributed Capital		
City of Green Bay	736,907	736,907
Earned Surplus		
Restricted	2,991,452	2,651,336
Unrestricted	108,867,922	115,085,702
Total Earned Surplus	111,859,374	117,737,038
TOTAL FUND EQUITY	112,596,281	118,473,944
TOTAL LIABILITIES & FUND EQUITY	$ 171,995,119	$ 170,877,936

GREEN BAY WATER UTILITY
INCOME SUMMARY
October 31, 2020

	2020 BUDGET	BUDGET THRU OCTOBER	ACTUAL AS OF 10/31/2020	TOTAL BUDGET REMAINING VARIANCE
TOTAL OPERATING REVENUES	$ 23,647,750	$ 19,706,458	$ 19,263,085	$ (4,384,665)
OPERATING EXPENSES				
Pumping	2,970,879	2,475,733	989,122	1,981,757
Water Treatment	1,964,040	1,636,700	1,085,579	878,461
Transmission & Distribution	3,096,765	2,580,638	1,831,018	1,265,747
Customer Accounts	892,781	743,984	676,654	216,127
Administrative & General	11,170,080	9,308,400	8,328,944	2,841,136
Total Operating Expenses	20,094,545	16,745,454	12,911,317	7,183,228
Operating Profit (Loss)	3,553,205	2,961,004	6,351,769	2,798,564
Interest & Miscellaneous Income	1,486,011	1,238,343	710,125	(775,886)
Interest Expense	1,467,721	1,223,101	1,184,230	283,492
NET INCOME (LOSS)	$ 3,571,495	$ 2,976,246	$ 5,877,664	$ 2,306,169

GREEN BAY WATER UTILITY

INCOME & EXPENSE COMPARISON
BUDGET TO ACTUAL
October 31, 2020

	BUDGET THRU OCTOBER	ACTUAL AS OF 10/31/2020	DOLLAR VARIANCE	PERCENT VARIANCE
OPERATING REVENUES				
Residential & Apartment	$ 6,059,375	$ 6,166,128	$ 106,753	1.8%
Commercial & Restaurant	3,215,625	3,176,736	(38,889)	-1.2%
Industrial	4,580,625	4,317,394	(263,231)	-5.7%
Municipal	371,875	274,216	(97,659)	-26.3%
Sales to General Customers	14,227,500	13,934,474	(293,026)	-2.1%
Sales for Resale - Ashwaubenon	2,590,000	2,467,531	(122,469)	-4.7%
Sales for Resale - Scott	70,000	79,425	9,425	13.5%
Sales For Resale - Hobart	258,125	302,200	44,075	17.1%
Sales for Resale - Wrightstown	140,000	165,921	25,921	18.5%
Public Fire Protection	1,155,000	1,123,335	(31,665)	-2.7%
Private Fire Protection	120,000	111,359	(8,641)	-7.2%
Sewer & Stormwater Portion of Expenses	1,029,167	1,062,500	33,333	3.2%
Penalties	116,667	16,340	(100,327)	-86.0%
TOTAL OPERATING REVENUES	19,706,458	19,263,085	(443,373)	-2.2%
OPERATING EXPENSES				
PUMPING EXPENSE				
Purchased Water (602)	3,417	4,823	(1,406)	-41.2%
Maint of Intakes (613)	12,500	8,900	3,600	28.8%
Maint of Supply Mains (616)	1,368,797	31,420	1,337,376	97.7%
Pumping Operation Supervision (620)	26,318	44,274	(17,956)	-68.2%
Power Purchased for Pumping (623)	630,700	544,873	85,827	13.6%
Pumping Labor & Expense (624)	71,113	51,298	19,814	27.9%
Miscellaneous Pumping Expense (626)	58,786	61,903	(3,117)	-5.3%
Pumping Maintenance Supervision (630)	71,635	47,196	24,439	34.1%
Maintenance of Pumping Structures (631)	93,705	116,283	(22,578)	-24.1%
Maintenance of Power Prod Equip (632)	7,250	5,740	1,510	20.8%
Maintenance of Pumping Equipment (633)	131,513	72,412	59,102	44.9%
TOTAL PUMPING EXPENSE	2,475,733	989,122	1,486,611	60.0%
WATER TREATMENT EXPENSE				
Treatment Operations Supervision (640)	63,960	58,862	5,098	8.0%
Chemicals (641)	252,250	231,164	21,086	8.4%
Treatment Operations (642)	526,508	445,602	80,905	15.4%
Miscellaneous Water Treatment (643)	97,558	111,585	(14,026)	-14.4%
Treatment Maintenance Supervision (650)	21,320	24,559	(3,239)	-15.2%
Maint of Treatment Structures (651)	39,132	39,726	(594)	-1.5%
Maint of Treatment Equipment (652)	635,973	174,082	461,890	72.6%
TOTAL WATER TREATMENT EXPENSE	1,636,700	1,085,579	551,121	33.7%
TRANSMISSION & DISTRIBUTION EXPENSE				
Stores Expense (163)	-	43,341	(43,341)	XXX
Unallocated Vehicle & Equip Expense (184)	-	(278,753)	278,753	XXX
Distribution Operation Supervision (660)	169,666	182,196	(12,530)	-7.4%
Transmission & Distribution Line Expense (662)	315,275	337,815	(22,539)	-7.1%
Meter Expense (663)	130,843	133,635	(2,793)	-2.1%
Customer Installation Expense (664)	78,577	70,014	8,562	10.9%
Miscellaneous Distribution Expense (665)	202,522	181,035	21,487	10.6%
Maintenance of Reservoirs & Standpipes (672)	20,685	24,220	(3,535)	-17.1%
Maintenance of Mains (673)	1,134,941	720,351	414,590	36.5%
Private Services (674)	-	2,748	(2,748)	XXX
Maintenance of Services (675)	298,159	253,017	45,142	15.1%
Maintenance of Meters (676)	75,727	93,463	(17,736)	-23.4%
Maintenance of Hydrants (677)	154,244	67,936	86,309	56.0%
TOTAL TRANSMISSION & DISTRIBUTION EXPENSE	2,580,638	1,831,018	749,620	29.0%
CUSTOMER ACCOUNTS EXPENSE				
Meter Reading Expense (902)	25,457	27,291	(1,834)	-7.2%
Customer Records & Collection Expense (903)	709,361	640,481	68,880	9.7%
Uncollectible Accounts (904)	3,333	7,751	(4,418)	-132.5%
Conservation/Educational Expense (906)	5,833	1,131	4,703	80.6%
TOTAL CUSTOMER ACCOUNTS EXPENSE	743,984	676,654	67,330	9.0%

GREEN BAY WATER UTILITY
INCOME & EXPENSE COMPARISON
BUDGET TO ACTUAL
October 31, 2020

ADMINISTRATIVE & GENERAL EXPENSE	BUDGET THRU OCTOBER	ACTUAL AS OF 10/31/2020	DOLLAR VARIANCE	PERCENT VARIANCE
Depreciation Expense (403 & 426)	$ 4,492,862	$ 3,796,760	$696,102	15.5%
Amortization of Non-Utility Plant (405)	109,544	109,544	(0)	0.0%
Taxes (408)	2,282,265	2,320,539	(38,274)	-1.7%
Administrative & General Salaries (920)	584,323	579,331	4,992	0.9%
Office Supplies & Expense (921)	72,500	59,306	13,194	18.2%
Outside Services Employed (923)	389,942	197,302	192,640	49.4%
Property Insurance (924)	51,333	59,167	(7,833)	-15.3%
Injuries & Damages (925)	46,667	35,991	10,675	22.9%
Employee Pension & Benefits (926)	1,069,760	1,007,503	62,257	5.8%
Regulatory Commission Expense (928)	8,333	8,327	7	0.1%
Miscellaneous General Expense (930)	79,717	68,086	11,631	14.6%
Maintenance of General Plant (932)	121,155	87,090	34,065	28.1%
TOTAL ADMINISTRATIVE & GENERAL EXPENSE	9,308,400	8,328,944	979,456	10.5%
TOTAL OPERATING EXPENSES	16,745,454	12,911,317	3,834,137	22.9%
OPERATING PROFIT	2,961,004	6,351,769	3,390,764	114.5%
MISCELLANEOUS INCOME & (EXPENSE)				
Interest Income-Operating Accounts (419)	70,833	32,361	(38,472)	-54.3%
Interest Income-Debt Accounts (419)	205,833	243,117	37,284	18.1%
Misc Income/Contributed Capital (421)	604,167	419,322	(184,844)	-30.6%
Other Income (415, 416, 471, 472, 474)	357,509	241,789	(115,720)	-32.4%
Covid - 19 expenses (880's)	-	(226,465)	(226,465)	XXX
TOTAL MISC INCOME & (EXPENSE)	1,238,343	710,125	(528,218)	-42.7%
INTEREST EXPENSE (427, 428, 429)	1,223,101	1,184,230	38,871	3.2%
NET INCOME (LOSS)	$ 2,976,246	$ 5,877,664	$ 2,901,418	97.5%