



# **GREEN BAY WATER UTILITY**

## **2022 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*

631 S. Adams St. – P.O. Box 1210  
Green Bay, WI 54305-1210

920-448-3480  
FAX 920-448-3486  
[www.gbwater.org](http://www.gbwater.org)

November 8, 2021

Dear Green Bay Water Commission, Staff and Customers:

Welcome to Green Bay Water's Five-Year Capital Improvement Plan and Budget for 2022, led by our utility business manager, Stephanie Rogers, and accountant, Karen Smits. As General Manager of a leading Wisconsin drinking water utility, I place great value in our finance team's ability to design and execute an annual budget that balances income with spending.

Certainly, the COVID-19 outbreak has impacted many parts of utility operations. It is expected to continue into 2022. Our human resources department has been monitoring employee circumstances. To maintain a productive, healthy, and safe workforce, we offered opportunities for staff immunizations and emergency leave.

Economic inflation affects Green Bay Water Utility as it does on the rest of our community's businesses and residences. As a result, the utility's budget faces the pressures of rising supply, equipment, and labor costs.

### **REVENUES**

There will be no change in Green Bay Water's drinking water rates this year. A rate increase of five percent was last implemented on June 1, 2020. Since that time, Green Bay Water has not initiated another case with the Wisconsin Public Service Commission (PSC). The PSC's water rates and projections of our typical water consumption volume were used to decide not to raise rates in 2022. Based on our communications with significant water consumers, we predict that water usage in the next year will be comparable to prior years.

Green Bay Water continues to serve the City of De Pere, the Village of Ashwaubenon, the Village of Wrightstown, and the Village of Bellevue with chargeable water billing services.

### **CAPITAL IMPROVEMENT PROGRAM**

Our new Capital Improvement Plan (CIP) addresses our water system's safety, security, efficiency, redundancy, and reliability. Additionally, we balance expenses to minimize the impacts on rates. CIP 2022 highlights not previously covered include:

- We expect to finish our renovations and expansion to the facility at the beginning of 2022. The contractor and consultant will get \$1,200,000 in final payments.
- Green Bay Water's utilization of technology has resulted in a significant gain in operational efficiency. However, we need to be more aware of cyber security threats than

ever before. Therefore, \$425,000 is allocated in the 2022 budget for programs to strengthen and protect our computer systems.

- The fleet of the Utility is also critical to our operations, and this year's budget includes \$246,000. We have a condition rating system of our vehicles and equipment--systematically reassigning aging vehicles and equipment based on criticality to emergency operations—eventually removing vehicles from the fleet at the end of their useful life.
- The budget for this year includes \$5,826,085 for water main, meter and facility replacement projects, which the utility regards as the highest critical priority.
- The utility will invest \$173,000 in laboratory equipment and water quality meters to ensure the reliability of our water quality measurements.

### **PERSONNEL**

The Green Bay Water Commission unanimously authorized the addition of a full-time Education and Outreach Coordinator in the 2022 budget.

We recommend a two percent increase in the cost-of-living adjustment and a commensurate step raise for workers, based on Carlson Dettmann's 2021 compensation survey. Green Bay Water is dedicated to becoming an employer of choice in order to attract and maintain a skilled staff, particularly in light of labor shortages and reduced benefits. In 2022, rates for employee health insurance will rise by 2%. The current health insurance contract is in place for two more years, meaning employee spouses who lost access to municipal insurance last year will still be ineligible. In 2022, the State of Wisconsin will reduce their contribution to our employee's retirement funds, going from 6.75 percent to 6.5 percent. Despite enormous challenges of the pandemic and other crises, Green Bay Water employees have not wavered in their commitment to providing excellent customer service.

Green Bay Water provides opportunities for utility employees to train and develop as professionals in areas that will increase their knowledge of health and safety, leadership, succession planning, diversity, emergency preparation and more.

### **OPERATING BUDGET**

PipeDiver testing will continue as we analyze our prestressed concrete cylinder pipe's structural integrity, and funding is made available to remedy any issues found.

The continuing pandemic and labor shortage forced us to re-prioritize some of our 2021 projects and shift them to 2022. This includes the deconstruction of the Broadway Tower, which was already taken offline, and relocating the previously decommissioned Bay Highlands pressure vault to another pressure zone. Additionally, funds have been set aside to rebuild one of our pumps and to modernize the lake station's programmable logistic controllers (PLCs).

Most water treatment chemicals are facing an increase in their purchase price as a result of increasing delivery expenses.

In 2022, funds will be provided to activate and disseminate our newly developed branding strategy, which will include the physical replacement of out-of-date logos and color schemes.

Outside service in 2022 will be used in the following projects:

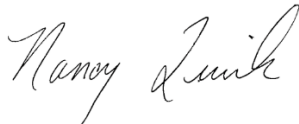
- Master Plan Update
- Pump Efficiency Study
- Financial Software Implementation
- Water Quality Consulting
- Treatment Plant Residuals Consulting
- Communication and Education Strategy Guidance

We continue to budget for unidirectional flushing of our transmission and distribution pipes. Additionally, we continue to monitor for leaks on our pipelines continuously using satellite leak detection and correlation.

### **CONCLUSION**

The 2022 Utility Budget reflects our mission statement and continued commitment to providing a reliable, high quality drinking water supply with exceptional customer service and value for Green Bay Water Utility customers.

Sincerely,

A handwritten signature in cursive script that reads "Nancy Quirk".

Nancy Quirk, P.E.  
General Manager  
Green Bay Water Utility

## **GREEN BAY WATER COMMISSION**

### **RESOLUTION AUTHORIZING AND APPROVING 2022 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 2022 Annual Budget, in the form presented herewith and attached hereto, which proposed 2022 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 2022 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 2022 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 15th day of November, 2021.

APPROVED this 15th day of November, 2021.

GREEN BAY WATER COMMISSION



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John Heugel, President

ATTEST:



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Douglas Martin, Secretary/Treasurer

**GREEN BAY WATER UTILITY  
2022 BUDGET**

	2019 Actual	2020 Actual	2021 Budget	2021 Projected	2022 Budget
<b>OPERATING REVENUE</b>					
Residential & Apartment	\$ 8,521,556	\$ 9,209,602	\$ 9,220,000	\$ 8,830,000	\$ 8,975,000
Commercial & Restaurant	2,169,341	2,051,280	2,315,000	2,345,000	2,382,000
Industrial	5,219,982	5,450,345	5,300,000	6,600,000	6,200,000
Municipal	443,568	369,660	465,000	400,000	450,000
Public Fire Protection	1,340,187	1,364,722	1,380,000	1,361,000	1,365,000
Private Fire Protection	140,085	150,444	155,000	158,000	159,000
Water for Resale - Ashwaubenon	2,903,163	3,214,287	3,075,000	3,400,000	3,500,000
Water for Resale - Scott	79,068	99,618	100,000	103,000	105,000
Water for Resale - Hobart	285,740	374,008	375,000	375,000	380,000
Water for Resale - Wrightstown	166,936	207,053	170,000	182,000	185,000
Sewer Dept Reimbursement	796,494	894,559	855,000	921,000	1,010,000
Stormwater Utility Reimbursement	317,118	361,188	340,000	365,000	375,000
Penalties	152,709	73,934	145,000	120,000	150,000
Other Water Revenues	278,140	304,798	287,000	284,000	287,000
<b>TOTAL OPERATING REVENUE</b>	<b>22,814,089</b>	<b>24,125,498</b>	<b>24,182,000</b>	<b>25,444,000</b>	<b>25,523,000</b>
<b>OPERATING EXPENSES</b>					
Source of Supply Expense					
Purchased Water	4,466	6,716	7,000	7,785	8,000
Maintenance of Intakes	-	8,900	-	-	10,000
Maintenance of Supply Mains	45,953	25,866	1,633,841	700,000	1,206,683
<b>Total Source of Supply Expense</b>	<b>50,419</b>	<b>41,482</b>	<b>1,640,841</b>	<b>707,785</b>	<b>1,224,683</b>
Pumping Expense					
Pumping Operation Supervision	30,862	61,602	49,309	69,300	76,456
Fuel/Power Purchased for Pumping	700,620	701,815	725,000	725,000	761,250
Pumping Labor & Expense	83,013	68,566	67,930	75,700	81,856
Miscellaneous Pumping	85,225	110,507	77,349	64,200	77,402
Pumping Maintenance Supervision	83,280	57,339	62,329	52,500	36,400
Maintenance of Pumping Structures	135,777	144,215	252,877	133,200	248,601
Maintenance of Power Prod Equip	10,379	10,565	8,000	246,000	29,000
Maintenance of Pumping Equipment	144,031	112,190	163,077	106,675	180,788
<b>Total Pumping Expense</b>	<b>1,273,185</b>	<b>1,266,800</b>	<b>1,405,871</b>	<b>1,452,575</b>	<b>1,491,753</b>
Water Treatment Expense					
Water Treatment Supervision	71,606	72,331	73,950	68,000	77,212
Chemicals	300,998	306,496	305,000	305,000	370,000
Treatment Operations	530,789	615,610	668,727	650,200	981,882
Miscellaneous Water Treatment	118,609	143,991	138,430	143,800	146,628
Treatment Maintenance Supervision	23,823	29,168	31,693	27,400	33,091
Maintenance of Treatment Structures	27,300	44,675	32,038	37,600	46,065
Maintenance of Treatment Equipment	946,553	290,231	162,816	546,635	192,472
<b>Total Water Treatment Expense</b>	<b>2,019,678</b>	<b>1,502,502</b>	<b>1,412,654</b>	<b>1,778,635</b>	<b>1,847,350</b>
Transmission & Distribution Expense					
Distribution Supervision	214,057	219,916	222,622	216,000	233,021
Transmission and Distribution Line	455,266	357,003	399,617	382,300	441,408
Meter Expense	150,204	175,930	188,106	234,200	271,209
Customer Installation	90,519	92,147	85,428	80,250	88,458
Private Services	-	4,003	14,145	27,800	-
Miscellaneous Distribution	226,958	300,578	230,550	228,000	253,862
Maintenance of Reservoirs and Standpipes	12,119	47,719	27,617	17,800	30,828
Maintenance of Mains	1,155,934	1,173,660	1,680,414	1,412,000	1,459,214
Maintenance of Services	262,042	357,428	439,761	370,700	388,776
Maintenance of Meters	95,054	144,677	118,320	129,000	133,171
Maintenance of Hydrants	154,469	154,194	142,630	147,120	161,471
<b>Total Transmission &amp; Distribution Expense</b>	<b>2,816,622</b>	<b>3,027,256</b>	<b>3,549,210</b>	<b>3,245,170</b>	<b>3,461,418</b>

**GREEN BAY WATER UTILITY  
2022 BUDGET**

	2019 Actual	2020 Actual	2021 Budget	2021 Projected	2022 Budget
Customer Accounts Expense					
Meter Reading	28,213	30,538	34,676	17,120	32,197
Customer Records and Collection	818,163	940,441	932,340	902,000	1,028,648
Uncollectible Accounts	11,804	8,608	4,000	3,000	5,000
Customer Service & Information	845	1,511	14,000	3,000	77,317
Total Customer Accounts Expense	<u>859,024</u>	<u>981,097</u>	<u>985,016</u>	<u>925,120</u>	<u>1,143,162</u>
Administrative & General Expense					
Administrative & General Salaries	641,424	716,244	708,335	645,000	718,316
Office Supplies & Expenses	85,562	75,687	94,000	76,000	109,265
Outside Services Employed	305,786	280,215	535,400	276,900	609,900
Property Insurance	67,411	59,167	79,500	77,500	80,450
Liability Insurance	73,212	39,222	62,510	93,665	59,500
Employee Benefits	1,457,557	1,274,726	1,300,032	1,224,270	1,372,160
Regulatory Commission Expense	9,494	12,952	5,000	635	-
Miscellaneous General Expense	57,742	70,978	103,000	58,629	97,385
General Plant Maintenance	125,504	142,475	146,285	148,900	211,068
Jobbing & Contract Work	105,833	148,962	222,437	192,700	221,825
Taxes	299,242	321,278	342,065	322,358	354,823
Amortization of Ashwaubenon Booster	131,453	131,453	131,453	131,453	131,453
Total Administrative & General Expense	<u>3,360,218</u>	<u>3,273,360</u>	<u>3,730,017</u>	<u>3,248,010</u>	<u>3,966,145</u>
Depreciation Expense	<u>5,228,702</u>	<u>5,295,672</u>	<u>5,461,434</u>	<u>5,346,434</u>	<u>5,401,434</u>
<b>TOTAL OPERATING EXPENSE</b>	<u>15,607,849</u>	<u>15,388,168</u>	<u>18,185,043</u>	<u>16,703,729</u>	<u>18,535,946</u>
<b>OPERATING INCOME</b>	7,206,240	8,737,330	5,996,957	8,740,271	6,987,054
<b>NONOPERATING REVENUES (EXPENSES)</b>					
Interest Income	607,969	319,662	230,000	277,500	278,500
Miscellaneous Income	177,538	421,620	305,000	305,000	310,000
Amortization of Debt Premium	373,759	572,749	572,749	585,567	589,689
Capital Contributions	1,325,622	591,178	500,000	500,000	500,000
Tax Equivalency	(2,477,790)	(2,545,829)	(2,552,000)	(2,584,000)	(2,622,000)
Interest Expense	(1,970,057)	(1,472,722)	(1,423,185)	(1,659,045)	(1,501,433)
Amortization of Debt Expense	(375,717)	(373,093)	(342,818)	(342,819)	(308,587)
<b>TOTAL NONOPERATING REVENUES (EXPENSES)</b>	<u>(2,338,677)</u>	<u>(2,486,435)</u>	<u>(2,710,254)</u>	<u>(2,917,797)</u>	<u>(2,753,831)</u>
<b>NET INCOME</b>	<u>\$ 4,867,563</u>	<u>\$ 6,250,894</u>	<u>\$ 3,286,703</u>	<u>\$ 5,822,474</u>	<u>\$ 4,233,223</u>



**GREEN BAY WATER UTILITY**  
**Green Bay Operations w/o Ashwaubenon**  
**2022 BUDGET**

	2019 Actual	2020 Actual	2021 Budget	2021 Projected	2022 Budget
<b>OPERATING REVENUE</b>					
Residential & Apartment	\$ 8,521,556	\$ 9,209,602	\$ 9,220,000	\$ 8,830,000	\$ 8,975,000
Commercial & Restaurant	2,169,341	2,051,280	2,315,000	2,345,000	2,382,000
Industrial	5,219,982	5,450,345	5,300,000	6,600,000	6,200,000
Municipal	443,568	369,660	465,000	400,000	450,000
Public Fire Protection	1,340,187	1,364,722	1,380,000	1,361,000	1,365,000
Private Fire Protection	140,085	150,444	155,000	158,000	159,000
Water for Resale - Scott	79,068	99,618	100,000	103,000	105,000
Water for Resale - Hobart	285,740	374,008	375,000	375,000	380,000
Water for Resale - Wrightstown	166,936	207,053	170,000	182,000	185,000
Sewer Dept Reimbursement	796,494	894,559	855,000	921,000	1,010,000
Stormwater Utility Reimbursement	317,118	361,188	340,000	365,000	375,000
Penalties	152,709	73,934	145,000	120,000	150,000
Other Water Revenues	278,140	304,798	287,000	284,000	287,000
<b>TOTAL OPERATING REVENUE</b>	<b>19,910,926</b>	<b>20,911,211</b>	<b>21,107,000</b>	<b>22,044,000</b>	<b>22,023,000</b>
<b>OPERATING EXPENSES</b>					
Source of Supply Expense					
Purchased Water	4,466	6,716	7,000	7,785	8,000
Maintenance of Intakes	-	8,900	-	-	10,000
Maintenance of Supply Mains	45,953	25,866	1,633,841	700,000	1,206,683
Total Source of Supply Expense	50,419	41,482	1,640,841	707,785	1,224,683
Pumping Expense					
Pumping Operation Supervision	30,862	61,602	49,309	69,300	76,456
Fuel/Power Purchased for Pumping	590,380	592,814	610,000	610,000	640,500
Pumping Labor & Expense	83,013	68,566	67,930	75,700	81,856
Miscellaneous Pumping	85,225	110,507	77,349	64,200	77,402
Pumping Maintenance Supervision	83,280	57,339	62,329	32,500	36,400
Maintenance of Pumping Structures	135,777	144,215	252,877	133,200	248,601
Maintenance of Power Prod Equip	10,379	10,565	8,000	246,000	29,000
Maintenance of Pumping Equipment	144,031	112,190	163,077	106,675	180,788
Total Pumping Expense	1,162,946	1,157,799	1,290,871	1,337,575	1,371,003
Water Treatment Expense					
Water Treatment Supervision	71,606	72,331	73,950	68,000	77,212
Chemicals	249,738	257,352	250,000	254,000	300,000
Treatment Operations	513,235	597,590	647,477	630,200	960,882
Miscellaneous Water Treatment	118,609	143,991	138,430	143,800	146,628
Treatment Maintenance Supervision	23,823	29,168	31,693	27,400	33,091
Maintenance of Treatment Structures	27,300	44,675	32,038	37,600	46,065
Maintenance of Treatment Equipment	946,553	290,231	162,816	546,635	192,472
Total Water Treatment Expense	1,950,863	1,435,338	1,336,404	1,707,635	1,756,350
Transmission & Distribution Expense					
Distribution Supervision	214,057	219,916	222,622	216,000	233,021
Transmission and Distribution Line	455,266	357,003	399,617	382,300	441,408
Meter Expense	150,204	175,930	188,106	234,200	271,209
Customer Installation	90,519	92,147	85,428	80,250	88,458
Private Services	-	4,003	14,145	27,800	-
Miscellaneous Distribution	226,958	300,578	230,550	228,000	253,862
Maintenance of Reservoirs and Standpipes	12,119	47,719	27,617	17,800	30,828
Maintenance of Mains	1,155,934	1,173,660	1,680,414	1,412,000	1,459,214
Maintenance of Services	262,042	357,428	439,761	370,700	388,776
Maintenance of Meters	95,054	144,677	118,320	129,000	133,171
Maintenance of Hydrants	154,469	154,194	142,630	147,120	161,471
Total Transmission & Distribution Expense	2,816,622	3,027,256	3,549,210	3,245,170	3,461,418

**GREEN BAY WATER UTILITY**  
**Green Bay Operations w/o Ashwaubenon**  
**2022 BUDGET**

	2019 Actual	2020 Actual	2021 Budget	2021 Projected	2022 Budget
<b>Customer Accounts Expense</b>					
Meter Reading	28,213	30,538	34,676	17,120	32,197
Customer Records and Collection	818,163	940,441	932,340	902,000	1,028,648
Uncollectible Accounts	11,804	8,608	4,000	3,000	5,000
Customer Service & Information	845	1,511	14,000	3,000	77,317
<b>Total Customer Accounts Expense</b>	<b>859,024</b>	<b>981,097</b>	<b>985,016</b>	<b>925,120</b>	<b>1,143,162</b>
<b>Administrative &amp; General Expense</b>					
Administrative & General Salaries	641,424	716,244	708,335	645,000	718,316
Office Supplies & Expenses	85,562	75,687	94,000	76,000	109,265
Outside Services Employed	305,786	280,215	535,400	276,900	609,900
Property Insurance	67,411	59,167	79,500	77,500	80,450
Liability Insurance	73,212	39,222	62,510	93,665	59,500
Employee Benefits	1,457,557	1,274,726	1,300,032	1,224,270	1,372,160
Regulatory Commission Expense	9,494	12,952	5,000	635	-
Miscellaneous General Expense	57,742	70,978	103,000	58,629	97,385
General Plant Maintenance	125,504	142,475	146,285	148,900	211,068
Jobbing & Contract Work	105,833	148,962	222,437	192,700	221,825
Taxes	299,242	321,278	342,065	322,358	354,823
Amortization of Ashwaubenon Booster	131,453	131,453	131,453	131,453	131,453
<b>Total Administrative &amp; General Expense</b>	<b>3,360,218</b>	<b>3,273,360</b>	<b>3,730,017</b>	<b>3,248,010</b>	<b>3,966,145</b>
Depreciation Expense	5,117,268	5,184,237	5,350,000	5,235,000	5,290,000
<b>TOTAL OPERATING EXPENSE</b>	<b>15,317,360</b>	<b>15,100,569</b>	<b>17,882,359</b>	<b>16,406,295</b>	<b>18,212,762</b>
<b>OPERATING INCOME</b>	<b>4,593,566</b>	<b>5,810,642</b>	<b>3,224,641</b>	<b>5,637,705</b>	<b>3,810,238</b>
<b>NONOPERATING REVENUES (EXPENSES)</b>					
Interest Income	607,969	319,662	230,000	277,500	278,500
Miscellaneous Income	177,538	421,620	305,000	305,000	310,000
Amortization of Debt Premium	339,299	519,942	519,942	532,760	536,882
Capital Contributions	1,325,622	591,178	500,000	500,000	500,000
Tax Equivalency	(2,323,123)	(2,394,589)	(2,400,000)	(2,431,000)	(2,469,000)
Interest Expense	(1,788,418)	(1,336,937)	(1,289,245)	(1,528,105)	(1,378,168)
Amortization of Debt Expense	(341,076)	(338,694)	(311,211)	(311,211)	(280,135)
<b>TOTAL NONOPERATING REVENUES (EXPENSES)</b>	<b>(2,002,189)</b>	<b>(2,217,817)</b>	<b>(2,445,514)</b>	<b>(2,655,056)</b>	<b>(2,501,921)</b>
<b>NET INCOME</b>	<b>\$ 2,591,376</b>	<b>\$ 3,592,825</b>	<b>\$ 779,127</b>	<b>\$ 2,982,649</b>	<b>\$ 1,308,317</b>

## GREEN BAY WATER UTILITY

### Ashwaubenon Operations 2022 BUDGET

	2019 Actual	2020 Actual	2021 Budget	2021 Projected	2022 Budget
<b>OPERATING REVENUE</b>					
Water for Resale - Ashwaubenon	\$ 2,903,163	\$ 3,214,287	\$ 3,075,000	\$ 3,400,000	\$ 3,500,000
<b>OPERATING EXPENSES</b>					
Pumping Expense					
Fuel/Power Purchased for Pumping	110,239	109,001	115,000	115,000	120,750
Water Treatment Expense					
Chemicals	51,261	49,144	55,000	51,000	70,000
Treatment Operations	17,555	18,020	21,250	20,000	21,000
Total Water Treatment Expense	68,815	67,164	76,250	71,000	91,000
Depreciation Expense	111,434	111,434	111,434	111,434	111,434
<b>TOTAL OPERATING EXPENSE</b>	290,489	287,599	302,684	297,434	323,184
<b>OPERATING INCOME</b>	2,612,674	2,926,688	2,772,316	3,102,566	3,176,816
<b>NONOPERATING REVENUES (EXPENSES)</b>					
Amortization of Debt Premiim	34,460	52,807	52,807	52,807	52,807
Tax Equivalency	(154,667)	(151,240)	(152,000)	(153,000)	(153,000)
Interest Expense	(181,639)	(135,785)	(133,940)	(130,940)	(123,265)
Amortization of Debt Expense	(34,641)	(34,399)	(31,607)	(31,608)	(28,452)
<b>TOTAL NONOPERATING REVENUES (EXPENSES)</b>	(336,487)	(268,617)	(264,740)	(262,741)	(251,910)
<b>NET INCOME</b>	\$ 2,276,187	\$ 2,658,070	\$ 2,507,576	\$ 2,839,825	\$ 2,924,906

# GREEN BAY WATER UTILITY

## Operating and Maintenance Expenses by Major Function w/o Ashwaubenon

### 2022 BUDGET

	2022 Budget Amount	% of Total Budget	2021 Budget Amount	% of Total Budget
Salaries & wages	\$ 4,398,434	19.69%	\$ 4,328,434	19.78%
Employee benefits:				
Health, dental & life insurance	968,143	4.33%	922,188	4.21%
Social Security	333,396	1.49%	327,482	1.50%
WRS pension	284,346	1.27%	289,877	1.32%
Other employee benefits	106,544	0.48%	80,385	0.37%
Total employee benefits	<u>1,692,429</u>	<u>7.58%</u>	<u>1,619,932</u>	<u>7.40%</u>
 Total salaries, wages & employee benefits	 6,090,863	 27.26%	 5,948,366	 27.18%
 Depreciation	 5,290,000	 23.68%	 5,350,000	 24.45%
PILOT payment to City	2,469,000	11.05%	2,400,000	10.97%
Contractor costs	2,835,084	12.69%	3,093,600	14.14%
 Electric for pumping	 653,500	 2.93%	 627,000	 2.87%
Materials & supplies	825,462	3.69%	673,100	3.08%
Vehicle & equipment fuel & maintenance	532,800	2.38%	494,400	2.26%
 Chemicals for water treatment	 300,000	 1.34%	 250,000	 1.14%
Outside services (legal, audit, engineering, City services)	748,700	3.35%	692,400	3.16%
Treatment plant electric & natural gas	140,000	0.63%	145,000	0.66%
 Amortization of wholesale grants	 166,453	 0.75%	 166,453	 0.76%
Liability, property & workers' comp insurance	139,950	0.63%	142,010	0.65%
Water sample testing	248,250	1.11%	92,500	0.42%
 Meetings, conventions and public relations	 108,050	 0.48%	 105,000	 0.48%
Office & vehicle building electric & natural gas	71,000	0.32%	53,000	0.24%
Other (phone, postage, bad debts, etc.)	62,650	0.28%	49,530	0.23%
 Debt interest and amortization	 <u>1,658,303</u>	 <u>7.42%</u>	 <u>1,600,456</u>	 <u>7.31%</u>
 Total Expenses	 <u>\$ 22,340,065</u>	 <u>100.00%</u>	 <u>\$ 21,882,815</u>	 <u>100.00%</u>

# GREEN BAY WATER UTILITY

## Schedule of Cash Flows

### 2022 BUDGET

	Total	Green Bay	Ashwaubenon
Cash Balance 12/31/19	\$ 6,528,080	\$ (4,250,073)	\$ 10,778,153
Net Income	\$ 6,250,896	\$ 3,592,825	\$ 2,658,071
Capital Contribution	(328,468)	(328,468)	-
Depreciation	5,651,245	5,651,245	-
Amortization of grants	163,104	163,104	-
LT debt proceeds	-	-	-
LT debt pmts	(3,705,000)	(3,363,399)	(341,601)
Amortization of debt prem/disc.	(199,657)	(199,657)	-
Interest on debt reserve	(170,557)	(170,557)	-
Gain/loss on debt reserve	(92,476)	(92,476)	-
Fixed asset purchases	(6,886,853)	(6,820,021)	(66,832)
Net change in cash	\$ 682,234	\$ (1,567,404)	\$ 2,249,638
Cash Balance 12/31/20	7,210,314	(5,817,477)	13,027,791
Net Income	\$ 5,822,474	\$ 2,982,649	\$ 2,839,825
Capital Contribution	(500,000)	(500,000)	-
Depreciation	5,607,434	5,607,434	-
Amortization of grants	163,104	163,104	-
LT debt proceeds	7,311,207	7,311,207	-
LT debt pmts	(4,180,000)	(3,831,945)	(348,055)
Amortization of debt prem/disc.	(242,748)	(242,748)	-
Interest on debt reserve	(155,000)	(155,000)	-
Gain/loss on debt reserve	(95,000)	(95,000)	-
Fixed asset purchases	(9,284,292)	(9,198,878)	(85,414)
Net change in cash	4,447,179	2,040,823	2,406,356
Cash Balance 12/31/21	\$ 11,657,493	\$ (3,776,654)	\$ 15,434,147
Net Income	\$ 4,233,223	\$ 1,308,317	\$ 2,924,906
Capital Contribution	(500,000)	(500,000)	-
Depreciation	5,666,434	5,666,434	-
Amortization of grants	163,104	163,104	-
LT debt proceeds	-	-	-
LT debt pmts	(4,205,000)	(3,849,569)	(355,431)
Amortization of debt prem/disc.	(281,102)	(281,102)	-
Interest on debt reserve	(160,000)	(160,000)	-
Gain/loss on debt reserve	(90,000)	(90,000)	-
Fixed asset purchases	(7,870,085)	(7,772,085)	(98,000)
Net change in cash	(3,043,426)	(5,514,901)	2,471,475
Cash Balance 12/31/22	\$ 8,614,067	\$ (9,291,555)	\$ 17,905,622

Cash Balance includes O & M, Bond Redemption and Private Service Replacement Accounts

**GREEN BAY WATER UTILITY**  
**PROJECTED 2022 RATE OF RETURN ANALYSIS**  
(Excluding Ashwaubenon Wholesale Operations)  
**2022 BUDGET**

	<u>1/1/21</u>	<u>12/31/21</u>	AVERAGE
Plant in Service (Utility Financed)	\$ 212,717,174	\$ 219,787,259	\$ 216,252,217
Less: Accumulated Depreciation	<u>88,358,574</u>	<u>92,359,574</u>	<u>90,359,074</u>
Net Capital Investment (Utility Financed)	124,358,600	127,427,685	125,893,143
Plus: Materials & Supplies	<u>500,000</u>	<u>530,000</u>	<u>515,000</u>
Rate Base	<u><u>\$ 124,858,600</u></u>	<u><u>\$ 127,957,685</u></u>	\$ 126,408,143
Less: Regulatory Liability			<u>503,357</u>
Net Investment Rate Base			\$ 125,904,786
Net Operating Income			<u><u>\$ 5,637,705</u></u>
Rate of Return			<u><u>4.48%</u></u>

AUTHORIZED RATE OF RETURN: 3.9%

	<u>1/1/22</u>	<u>12/31/22</u>	AVERAGE
Plant in Service (Utility Financed)	\$ 219,787,259	\$ 225,657,344	\$ 222,722,302
Less: Accumulated Depreciation	<u>92,359,574</u>	<u>96,359,574</u>	<u>94,359,574</u>
Net Capital Investment (Utility Financed)	127,427,685	129,297,770	128,362,728
Plus: Materials & Supplies	<u>530,000</u>	<u>510,000</u>	<u>520,000</u>
Rate Base	<u><u>\$ 127,957,685</u></u>	<u><u>\$ 129,807,770</u></u>	\$ 128,882,728
Less: Regulatory Liability			<u>302,012</u>
Net Investment Rate Base			\$ 128,580,716
Net Operating Income			<u><u>\$ 3,810,238</u></u>
Rate of Return			<u><u>2.96%</u></u>

AUTHORIZED RATE OF RETURN: 3.9%

**GREEN BAY WATER UTILITY**  
**CAPITAL IMPROVEMENTS**  
**2022 BUDGET**

Project	Department	Amount
Building Addition and Remodel	Administrative	\$ 1,200,000
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	100,000
Distribution Vehicles	Distribution	190,000
Treatment Vehicle	Distribution	21,000
Small Equipment	Distribution	25,000
Small Safety Equipment	Distribution	10,000
Water Utility Installs of Services, Hydrants, Mains & Valves	Distribution	500,000
Cityworks Upgrades and Implementations	Engineering	80,000
GIS (ESRI) Upgrade and Implementations	Engineering	20,000
Water Main Relays	Engineering	4,480,000
Meter Reading Software Upgrade	Metering & Cross Connection	125,000
Meter Replacement	Metering & Cross Connection	406,085
Generator Addition at Lake Station	Pumping	200,000
Raw Water Meters for 54" and 42" Mains	Pumping	130,000
Vault Replacement - Hwy 54/57	Pumping	60,000
Insertion Mag Meters Project	Treatment	50,000
Instrumentation	Treatment	8,000
Lab Equipment	Treatment	40,000
Turbidity Meters	Treatment	125,000
<b>Total Project Costs</b>		<b><u><u>\$ 7,870,085</u></u></b>
<b>Funding Sources:</b>		
Water User Fees		\$ 6,670,085
Revenue Bonds		<u>1,200,000</u>
<b>Total Funding Sources</b>		<b><u><u>\$ 7,870,085</u></u></b>

See 2022 Five-Year Capital Improvement Plan for detail on each project.