



AGENDA OF THE WATER COMMISSION

MONDAY, NOVEMBER 11, 2024, 8:30 AM

In person at the Green Bay Water Utility.

631 S Adams St

Virtual attendance is also available via Zoom.

A. Zoom Meeting Information.

I. Join Zoom Meeting Online:

<https://zoom.us/j/98284055918?pwd=eHBxaWkvNlJ2a3N0RERUWkRsNjVkUT09>

Or call in by phone: +1 312 626 6799

Meeting ID: 982 8405 5918

Passcode: 385002

If you wish to speak at this public meeting or leave a comment, please fill out the online [Comment Form](#) prior to the meeting. More detailed [Zoom Instructions](#) can be found online.

B. Roll Call.

I. Roll call for the Water Commission Meeting for November 11, 2024.

C. Approval of the Agenda.

I. Approval of the Water Commission Meeting Agenda for November 11, 2024.

D. Approval of Minutes.

I. Approval of the Water Commission Meeting Minutes for October 14, 2024.

E. Regular Business.

I. Memorial Resolution Honoring the Life and Service of Jason Maes

2. Approval and Adoption of Resolution for the 2025 Annual Budget

F. Informational.

I. General Manager Update

G. Adjournment.

I. Motion to adjourn the Water Commission meeting of November 11, 2024.

- 1) **ACCESSIBILITY:** Any person wishing to attend who requires special accommodation because of a disability, should contact the City Safety Manager at 920-448-3125 at least 48 hours before the scheduled meeting time so that arrangements can be made.
- 2) **QUORUM:** Please take notice that a majority or quorum of the Common Council may attend this Water Commission meeting and will constitute a meeting of the Common Council for purposes of discussion and information gathering relative to this agenda.
- 3) **REPRESENTATION:** The party requesting the communication, or their representative, should be present at this meeting.



MINUTES OF THE WATER COMMISSION

MONDAY, OCTOBER 14, 2024, 8:30 AM

In person at the Green Bay Water Utility.

631 S Adams St

Virtual attendance is also available via Zoom.

A. ZOOM MEETING INFORMATION.

- I. Join Zoom Meeting Online:

<https://zoom.us/j/98284055918?pwd=eHBxaWkvNlJ2a3N0RERUWkRsNjVkUT09>

Or call in by phone: +1 312 626 6799

Meeting ID: 982 8405 5918

Passcode: 385002

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B. ROLL CALL.

- I. Roll call for the Water Commission Meeting for October 14, 2024.

On Monday, October 14, 2024, the Water Commission met in person and virtually via Zoom. President Heugel called the meeting to order at 8:30 a.m. Recording Secretary Beilke called the roll. Five voting commission members: President John Heugel (In Person), Vice President Jamie Wall (In Person), Secretary-Treasurer Tom Karman (In Person), Al Farvour (Virtually via Zoom), and Lynn Gerlach (In Person).

Also present: Alder Bill Morgan (In Person, non-voting), Council Representative to the Water Commission, and Attorney William Vande Castle (Virtually via Zoom).

Staff present: Brian Powell, Doug Martin, Stephanie Rogers, Russ Hardwick, Kristin Romanowicz, Kim Couillard and Marc McGovern.

C. APPROVAL OF THE AGENDA.

- I. Approval of the Water Commission Meeting Agenda for October 14, 2024.

Moved by Jamie Wall, seconded by Lynn Gerlach to approve the agenda. Voice vote being had, the motion passed unanimously.

D. APPROVAL OF MINUTES.

- I. Approval of the Water Commission Meeting Minutes for September 9, 2024.

Moved by Lynn Gerlach, seconded by Allen Farvour to approve the minutes. Voice vote being had, the motion passed unanimously.

E. REGULAR BUSINESS.

- I. Approval of the Ordinance Amending Section 42-99, Green Bay Municipal Code, Relating to the Cross Connection Control Program.

Moved by Jamie Wall, seconded by Thomas Karman to approve the ordinance amending Section 42-99, Green Bay Municipal Code, relating to the Cross Connection Control Program. Voice vote being had, the motion passed unanimously.

2. August and September 2024 Financial Reports

Moved by Lynn Gerlach, seconded by Thomas Karman to accept the financial reports as presented. Voice vote being had, the motion passed unanimously.

F. INFORMATIONAL.

- I. General Manager Update

General Manager Brian Powell provided the commission with updates on the following initiatives within our organization:

1. Budget Update
2. Pulaski/Luxemburg Updates

3. 2024 Wisconsin Water Utility Report Cards
4. Lead & Copper Inventory Update
5. Fluoride Update
6. Workforce Report

G. ADJOURNMENT.

- I. Motion to adjourn the Water Commission meeting of October 14, 2024.

Moved by Jamie Wall, seconded by Board Member Allen Farvour to adjourn. Voice vote being had, the motion passed unanimously.

GREEN BAY WATER COMMISSION RESOLUTION



Resolution Honoring the Life and Service of

Jason D. Maes

WHEREAS, Jason D. Maes, born on October 1, 1974, in Green Bay, Wisconsin, dedicated 30 years to Green Bay Water Utility, rising from a laborer to Distribution Manager through his exceptional work ethic, expertise, and commitment to public service; and

WHEREAS, Jason was a respected leader and mentor at Green Bay Water Utility, where he guided teams with integrity and dedication, leading pivotal projects like the removal of over 1,800 lead services in the city and fostering a culture of excellence and collaboration; and

WHEREAS, Jason's legacy at the Utility is marked by his devotion to service, his out-of-the-box thinking, and his commitment to community well-being; and

WHEREAS, Jason was not only a dependable and collaborative leader but also a close friend to many at the Utility, remembered for his good humor, genuine care for others, and dedication to those he worked alongside; and

WHEREAS, outside of his work, Jason was a devoted family man who cherished time with his beloved wife, Vicki, and their sons, Ian and Brady. His love for his family was central to his life, and he found great joy in family gatherings, camping trips to Star Lake, and hunting and fishing excursions. He poured his energy into projects at home, including planting over 3,000 trees on his property, creating a flourishing landscape that stands as a testament to his love of nature and hard work; and

WHEREAS, Jason's unexpected passing on October 4, 2024, leaves a profound absence in the lives of his family, friends, and Green Bay Water Utility, where he was a valued colleague and friend, admired for his leadership, loyalty, and unwavering commitment to his work and community;

NOW, THEREFORE, BE IT RESOLVED that Green Bay Water Commission and Utility honor the life, legacy, and service of Jason Maes, extend our heartfelt condolences to his family and friends, and express our deepest gratitude for his years of dedication to the City of Green Bay. Jason's contributions and friendship will be cherished and long remembered.

BE IT FURTHER RESOLVED that this resolution be spread upon the records of Green Bay Water Commission and that a copy of this resolution be presented to Jason's family as a tribute to his life, his service, and his legacy.

Dated this 7th day of November 2024.

John C. Heugel
Commission President

Brian Powell, P.E.
General Manager

2025 BUDGET



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



GREEN BAY WATER

631 South Adams Street
Green Bay, WI 54301
(920) 448-3480

November 5, 2024

Dear Green Bay Water Commission, Staff, and Customers:

I am pleased to present the Green Bay Water Utility's Five-Year Capital Improvement Plan (CIP) and Budget for the fiscal year 2025. This budget reflects the commitment and careful planning of our team, guided by our Utility Business Manager, Stephanie Rogers. Together, we have crafted a budget that supports the essential infrastructure and operational needs of Green Bay Water, while promoting sustainability and financial responsibility.

REVENUES

With the recent 15% rate adjustment effective August 1, 2024, we are projected to secure an additional \$2.5 million in revenue. This 2025 forecast aligns with current consumption patterns and anticipates increased interest income due to higher rates. Additionally, our updated partnership agreement to provide billing services to the City of De Pere will enhance our miscellaneous income, further strengthening our financial foundation. We continue to expand our role as the water service provider for numerous local communities.

CAPITAL IMPROVEMENT PROGRAM

Our Five-Year CIP is dedicated to maintaining and enhancing our infrastructure. Key allocations in the 2025 plan include:

- **Water Main Relays:** \$5.6 million dedicated to replacing approximately 1% of our distribution system. This proactive approach aligns with industry best practices, ensuring that our entire network is systematically updated over a 100-year cycle to maintain optimal performance and reliability.
- **Lake Station Generator Addition:** A multi-year project aimed at bolstering emergency power capabilities at Lake Station, with \$3.94 million allocated this year for site preparation, utility work, and building construction.
- **Chlorine System Upgrade:** \$462,500 for enhanced safety at Lake Station
- **36-Inch Transmission Main Replacements:** \$600,000 for essential pipeline updates
- **GIS and Cityworks Upgrades:** \$300,000 to improve asset management and system reliability
- **Meter Replacement Program:** \$606,425 to improve billing accuracy and support customer trust.

These investments represent our dedication to maintaining a safe, reliable, and efficient water system for our community.

PERSONNEL

The 2025 budget accounts for a 7.1% average salary increase that will align with market standards, as recommended by the Cottingham & Butler Marketplace Analysis. Our personnel allocations also reflect labor reassignments to enhance flexibility across operations, customer service, and maintenance needs.

OPERATING BUDGET

Our 2025 operating budget anticipates stable material costs; however, gas and electric rates are expected to rise by approximately 6%. We continue to prioritize cost-effective maintenance across our facilities, including infrastructure upgrades at multiple stations and well inspections, ensuring long-term service reliability.

In addition, we are focused on expanding technological capabilities, such as the ArcGIS Pro upgrade for enhanced distribution management. Our commitment to operational efficiency remains steadfast, as shown by our approach to maintenance, safety, and infrastructure enhancement.

CONCLUSION

The 2025 budget is a testament to Green Bay Water Utility's commitment to the residents and businesses we serve. With this forward-thinking plan, we are positioned to enhance our infrastructure, support our team, and continue delivering exceptional service to our community. We thank our customers, staff, and partners for their support and look forward to a productive year ahead.

Sincerely,

A handwritten signature in black ink that reads "Brian Powell". The signature is written in a cursive, flowing style.

Brian Powell, P.E.
General Manager
Green Bay Water Utility

GREEN BAY WATER COMMISSION

RESOLUTION AUTHORIZING AND APPROVING 2025 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 2025 Annual Budget, in the form presented herewith and attached hereto, which proposed 2025 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 2025 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 2025 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 11th day of November 2024.

APPROVED this 11th day of November 2024.

GREEN BAY WATER COMMISSION

John C. Heugel, President

ATTEST:

Tom Karman, Secretary/Treasurer

**GREEN BAY WATER UTILITY
2025 BUDGET**

	2022 Actual	2023 Actual	2024 Budget	2024 Projected	2025 Budget
OPERATING REVENUE					
Residential & Apartment	\$ 7,377,404	\$ 7,571,542	\$ 7,770,000	\$ 7,700,000	\$ 8,585,000
Commercial & Restaurant	3,734,487	3,706,899	3,885,000	3,885,000	4,305,000
Industrial	6,624,403	6,524,612	6,825,000	6,750,000	7,200,000
Municipal	448,311	474,615	467,250	450,000	500,000
Public Fire Protection	1,377,884	1,386,083	1,449,000	1,460,000	1,570,000
Private Fire Protection	160,385	162,874	169,050	192,000	220,000
Water for Resale - Ashwaubenon	3,248,245	3,091,073	3,465,000	3,250,000	3,700,000
Water for Resale - Scott	86,862	80,715	89,250	80,000	95,000
Water for Resale - Hobart	379,391	407,264	472,500	380,000	450,000
Water for Resale - Wrightstown	189,554	205,384	207,900	190,000	210,000
Sewer Dept Reimbursement	973,960	1,030,093	1,075,000	1,080,000	1,125,000
Stormwater Utility Reimbursement	403,614	427,192	408,000	445,000	465,000
Penalties	125,793	130,126	125,000	135,000	140,000
Other Water Revenues	320,545	359,511	327,500	288,459	291,051
TOTAL OPERATING REVENUE	25,450,838	25,557,983	26,735,450	26,285,459	28,856,051
OPERATING EXPENSES					
Source of Supply Expense					
Purchased Water	8,056	8,965	9,000	9,000	10,800
Maintenance of Intakes	8,960	-	10,000	19,500	73,000
Maintenance of Supply Mains	1,264,561	41,610	78,765	187,338	122,184
Total Source of Supply Expense	1,281,577	50,575	97,765	215,838	205,984
Pumping Expense					
Pumping Operation Supervision	76,388	87,969	91,997	104,873	109,708
Fuel/Power Purchased for Pumping	930,875	1,004,861	937,000	918,000	976,880
Pumping Labor & Expense	59,933	74,473	107,888	52,680	66,304
Miscellaneous Pumping	75,928	67,405	85,550	66,570	109,376
Pumping Maintenance Supervision	25,919	36,885	42,369	34,700	34,456
Maintenance of Pumping Structures	120,493	189,255	213,239	348,367	235,348
Maintenance of Power Prod Equip	31,798	12,146	41,000	30,500	72,500
Maintenance of Pumping Equipment	147,724	271,594	399,500	503,000	548,781
Total Pumping Expense	1,469,058	1,744,588	1,918,543	2,058,690	2,153,353
Water Treatment Expense					
Water Treatment Supervision	82,569	121,095	86,501	91,255	94,928
Chemicals	423,872	554,880	628,000	524,500	594,000
Treatment Operations	855,148	1,022,546	811,947	744,497	794,909
Miscellaneous Water Treatment	145,789	168,299	182,437	171,320	181,881
Treatment Maintenance Supervision	26,887	33,134	37,072	36,765	37,672
Maintenance of Treatment Structures	81,921	43,561	54,967	62,480	376,586
Maintenance of Treatment Equipment	161,229	340,131	249,861	244,950	267,976
Total Water Treatment Expense	1,777,415	2,283,646	2,050,785	1,875,767	2,347,952
Transmission & Distribution Expense					
Distribution Supervision	239,328	239,520	273,339	273,250	287,048
Transmission & Distribution Line	244,413	243,263	280,900	272,559	254,483
Meter Expense	264,047	200,202	226,460	239,880	234,336
Customer Installation	124,221	230,395	237,504	216,850	245,067
Private Services	34,450	39,059	-	34,406	125,786
Miscellaneous Distribution	399,870	426,020	468,410	471,412	587,729
Maintenance of Reservoirs & Standpipes	40,148	81,265	438,652	58,300	466,706
Maintenance of Mains	1,389,613	1,258,357	1,550,693	1,257,132	1,492,946
Maintenance of Services	415,579	772,612	584,968	804,683	768,294
Maintenance of Meters	96,808	66,823	67,404	59,155	92,734
Maintenance of Hydrants	155,843	184,558	203,894	271,818	251,047
Total Transmission & Distribution Expense	3,404,320	3,742,074	4,332,224	3,959,445	4,806,176

**GREEN BAY WATER UTILITY
2025 BUDGET**

	2022 Actual	2023 Actual	2024 Budget	2024 Projected	2025 Budget
Customer Accounts Expense					
Meter Reading	13,265	55,804	62,347	66,521	72,211
Customer Records & Collection	942,082	1,020,808	1,030,767	1,005,128	999,752
Uncollectible Accounts	20,375	10,094	2,000	2,000	2,000
Customer Service & Information	72,478	70,497	73,658	73,658	78,817
Total Customer Accounts Expense	1,048,200	1,157,203	1,168,772	1,147,307	1,152,780
Administrative & General Expense					
Administrative & General Salaries	659,327	830,322	854,832	762,233	822,335
Office Supplies & Expenses	104,653	98,486	110,395	99,961	94,600
Outside Services Employed	435,989	554,013	589,646	603,894	635,006
Property Insurance	80,715	109,627	129,057	129,057	122,509
Liability Insurance	36,669	19,907	60,437	86,437	57,903
Employee Benefits	755,649	1,684,300	1,364,566	1,315,130	1,394,346
Regulatory Commission Expense	-	-	15,000	20,000	10,000
Miscellaneous General Expense	49,760	47,703	55,950	51,085	53,780
General Plant Maintenance	207,714	264,316	241,954	208,937	283,062
Jobbing & Contract Work	248,441	224,673	244,146	242,138	264,137
Taxes	328,556	362,089	385,416	377,971	412,581
Amortization of Ashwaubenon Booster	131,453	131,453	131,453	131,453	131,453
Total Administrative & General Expense	3,038,926	4,326,889	4,182,852	4,028,296	4,281,712
Depreciation Expense	5,481,708	5,833,752	5,678,434	5,867,434	5,972,434
TOTAL OPERATING EXPENSE	17,501,204	19,138,727	19,429,375	19,152,777	20,920,391
OPERATING INCOME	7,949,634	6,419,256	7,306,075	7,132,682	7,935,660
NONOPERATING REVENUES (EXPENSES)					
Interest Income	27,875	1,012,478	675,000	1,045,000	875,000
Miscellaneous Income	315,806	334,308	380,750	387,000	475,000
Amortization of Debt Premium	589,690	589,689	589,689	589,689	589,689
Capital Contributions	279,528	491,546	300,000	325,000	300,000
Tax Equivalency	(2,367,148)	(2,385,127)	(2,650,000)	(2,422,000)	(2,440,000)
Interest Expense	(1,484,543)	(1,381,761)	(1,290,127)	(1,290,127)	(1,164,625)
Amortization of Debt Expense	(308,587)	(270,391)	(228,727)	(227,727)	(180,723)
TOTAL NONOPERATING REVENUES (EXPENSES)	(2,947,379)	(1,609,258)	(2,223,415)	(1,593,165)	(1,545,659)
NET INCOME	\$ 5,002,255	\$ 4,809,998	\$ 5,082,660	\$ 5,539,517	\$ 6,390,001

GREEN BAY WATER UTILITY
Green Bay Operations w/o Ashwaubenon
2024 BUDGET

	2022 Actual	2023 Actual	2024 Budget	2024 Projected	2025 Budget
OPERATING REVENUE					
Residential & Apartment	\$ 7,377,404	\$ 7,571,542	\$ 7,770,000	\$ 7,700,000	\$ 8,585,000
Commercial & Restaurant	3,734,487	3,706,899	3,885,000	3,885,000	4,305,000
Industrial	6,624,403	6,524,612	6,825,000	6,750,000	7,200,000
Municipal	448,311	474,615	467,250	450,000	500,000
Public Fire Protection	1,377,884	1,386,083	1,449,000	1,460,000	1,570,000
Private Fire Protection	160,385	162,874	169,050	192,000	220,000
Water for Resale - Scott	86,862	80,715	89,250	80,000	95,000
Water for Resale - Hobart	379,391	407,264	472,500	380,000	450,000
Water for Resale - Wrightstown	189,554	205,384	207,900	190,000	210,000
Sewer Dept Reimbursement	973,960	1,030,093	1,075,000	1,080,000	1,125,000
Stormwater Utility Reimbursement	403,614	427,192	408,000	445,000	465,000
Penalties	125,793	130,126	125,000	135,000	140,000
Other Water Revenues	320,545	359,511	327,500	288,459	291,051
TOTAL OPERATING REVENUE	22,202,593	22,466,910	23,270,450	23,035,459	25,156,051
OPERATING EXPENSES					
Source of Supply Expense					
Purchased Water	8,056	8,965	9,000	9,000	10,800
Maintenance of Intakes	8,960	-	10,000	19,500	73,000
Maintenance of Supply Mains	1,264,561	41,610	78,765	187,338	122,184
Total Source of Supply Expense	1,281,577	50,575	97,765	215,838	205,984
Pumping Expense					
Pumping Operation Supervision	76,388	87,969	91,997	104,873	109,708
Fuel/Power Purchased for Pumping	785,271	854,539	782,000	780,000	830,600
Pumping Labor & Expense	59,933	74,473	107,888	52,680	66,304
Miscellaneous Pumping	75,928	67,405	85,550	66,570	109,376
Pumping Maintenance Supervision	25,919	36,885	42,369	34,700	34,456
Maintenance of Pumping Structures	120,493	189,255	213,239	348,367	235,348
Maintenance of Power Prod Equip	31,798	12,146	41,000	30,500	72,500
Maintenance of Pumping Equipment	147,724	271,594	399,500	503,000	548,781
Total Pumping Expense	1,323,454	1,594,266	1,763,543	1,920,690	2,007,073
Water Treatment Expense					
Water Treatment Supervision	82,569	121,095	86,501	91,255	94,928
Chemicals	349,890	468,179	528,000	444,500	504,000
Treatment Operations	833,178	1,000,065	790,447	723,997	773,109
Miscellaneous Water Treatment	145,789	168,299	182,437	171,320	181,881
Treatment Maintenance Supervision	26,887	33,134	37,072	36,765	37,672
Maintenance of Treatment Structures	81,921	43,561	54,967	62,480	376,586
Maintenance of Treatment Equipment	161,229	340,131	249,861	244,950	267,976
Total Water Treatment Expense	1,681,463	2,174,464	1,929,285	1,775,267	2,236,152
Transmission & Distribution Expense					
Distribution Supervision	239,328	239,520	273,339	273,250	287,048
Transmission & Distribution Line	244,413	243,263	280,900	272,559	254,483
Meter Expense	264,047	200,202	226,460	239,880	234,336
Customer Installation	124,221	230,395	237,504	216,850	245,067
Private Services	34,450	39,059	-	34,406	125,786
Miscellaneous Distribution	399,870	426,020	468,410	471,412	587,729
Maintenance of Reservoirs & Standpipes	40,148	81,265	438,652	58,300	466,706
Maintenance of Mains	1,389,613	1,258,357	1,550,693	1,257,132	1,492,946
Maintenance of Services	415,579	772,612	584,968	804,683	768,294
Maintenance of Meters	96,808	66,823	67,404	59,155	92,734
Maintenance of Hydrants	155,843	184,558	203,894	271,818	251,047
Total Transmission & Distribution Expense	3,404,320	3,742,074	4,332,224	3,959,445	4,806,176

GREEN BAY WATER UTILITY
Green Bay Operations w/o Ashwaubenon
2024 BUDGET

	2022 Actual	2023 Actual	2024 Budget	2024 Projected	2025 Budget
Customer Accounts Expense					
Meter Reading	13,265	55,804	62,347	66,521	72,211
Customer Records & Collection	942,082	1,020,808	1,030,767	1,005,128	999,752
Uncollectible Accounts	20,375	10,094	2,000	2,000	2,000
Customer Service & Information	72,478	70,497	73,658	73,658	78,817
Total Customer Accounts Expense	1,048,200	1,157,203	1,168,772	1,147,307	1,152,780
Administrative & General Expense					
Administrative & General Salaries	659,327	830,322	854,832	762,233	822,335
Office Supplies & Expenses	104,653	98,486	110,395	99,961	94,600
Outside Services Employed	435,989	554,013	589,646	603,894	635,006
Property Insurance	80,715	109,627	129,057	129,057	122,509
Liability Insurance	36,669	19,907	60,437	86,437	57,903
Employee Benefits	755,649	1,684,300	1,364,566	1,315,130	1,394,346
Regulatory Commission Expense	-	-	15,000	20,000	10,000
Miscellaneous General Expense	49,760	47,703	55,950	51,085	53,780
General Plant Maintenance	207,714	264,316	241,954	208,937	283,062
Jobbing & Contract Work	248,441	224,673	244,146	242,138	264,137
Taxes	328,556	362,089	385,416	377,971	412,581
Amortization of Ashwaubenon Booster	131,453	131,453	131,453	131,453	131,453
Total Administrative & General Expense	3,038,926	4,326,889	4,182,852	4,028,296	4,281,712
Depreciation Expense	5,370,274	5,722,318	5,567,000	5,756,000	5,861,000
TOTAL OPERATING EXPENSE	17,148,214	18,767,789	19,041,441	18,802,843	20,550,877
OPERATING INCOME	5,054,379	3,699,121	4,229,009	4,232,616	4,605,174
NONOPERATING REVENUES (EXPENSES)					
Interest Income	27,875	1,012,478	675,000	1,045,000	875,000
Miscellaneous Income	315,806	334,308	380,750	387,000	475,000
Amortization of Debt Premium	536,883	536,882	536,882	536,882	536,882
Capital Contributions	279,528	491,546	300,000	325,000	300,000
Tax Equivalency	(2,240,043)	(2,261,075)	(2,500,000)	(2,300,000)	(2,320,000)
Interest Expense	(1,362,673)	(1,268,395)	(1,184,381)	(1,184,381)	(1,068,781)
Amortization of Debt Expense	(280,135)	(245,461)	(207,730)	(206,730)	(164,060)
TOTAL NONOPERATING REVENUES (EXPENSES)	(2,722,759)	(1,399,717)	(1,999,479)	(1,397,229)	(1,365,959)
NET INCOME	\$ 2,331,620	\$ 2,299,404	\$ 2,229,530	\$ 2,835,387	\$ 3,239,215

GREEN BAY WATER UTILITY

Ashwaubenon Operations 2024 BUDGET

	2022 Actual	2023 Actual	2024 Budget	2024 Projected	2025 Budget
OPERATING REVENUE					
Water for Resale - Ashwaubenon	\$ 3,248,245	\$ 3,091,073	\$ 3,465,000	\$ 3,250,000	\$ 3,700,000
OPERATING EXPENSES					
Pumping Expense					
Fuel/Power Purchased for Pumping	145,604	150,322	155,000	138,000	146,280
Water Treatment Expense					
Chemicals	73,982	86,701	100,000	80,000	90,000
Treatment Operations	21,970	22,481	21,500	20,500	21,800
Total Water Treatment Expense	95,952	109,182	121,500	100,500	111,800
Depreciation Expense	111,434	111,434	111,434	111,434	111,434
TOTAL OPERATING EXPENSE	352,990	370,938	387,934	349,934	369,514
OPERATING INCOME	2,895,255	2,720,135	3,077,066	2,900,066	3,330,486
NONOPERATING REVENUES (EXPENSES)					
Amortization of Debt Premium	52,807	52,807	52,807	52,807	52,807
Tax Equivalency	(127,105)	(124,052)	(150,000)	(122,000)	(120,000)
Interest Expense	(121,870)	(113,366)	(105,746)	(105,746)	(95,844)
Amortization of Debt Expense	(28,452)	(24,930)	(20,997)	(20,997)	(16,663)
TOTAL NONOPERATING REVENUES (EXPENSES)	(224,620)	(209,541)	(223,936)	(195,936)	(179,700)
NET INCOME	\$ 2,670,635	\$ 2,510,594	\$ 2,853,130	\$ 2,704,130	\$ 3,150,786

GREEN BAY WATER UTILITY

Operating and Maintenance Expenses by Major Function w/o Ashwaubenon

2025 BUDGET

	2025 Budget Amount	% of Total Budget	2024 Budget Amount	% of Total Budget
Salaries & wages	\$ 5,221,227	21.66%	\$ 4,951,544	21.59%
Employee benefits:				
Health, dental & life insurance	943,527	3.91%	915,096	3.99%
Social Security	396,041	1.64%	375,719	1.64%
WRS pension	359,141	1.49%	338,827	1.48%
Other employee benefits	109,897	0.46%	128,165	0.56%
Total employee benefits	1,808,606	7.50%	1,757,807	7.66%
 Total salaries, wages & employee benefits	 7,029,833	 29.16%	 6,709,351	 29.26%
 Contractor costs	 2,213,250	 9.18%	 1,561,350	 6.81%
Materials & supplies	1,029,515	4.27%	896,268	3.91%
Vehicle & equipment fuel & maintenance	1,047,463	4.35%	993,989	4.33%
 Pumping electric & gas	 845,780	 3.51%	 800,750	 3.49%
Treatment plant electric & gas	206,000	0.85%	193,000	0.84%
Office & vehicle building electric & gas	64,150	0.27%	76,350	0.33%
 Property maintenance	 91,800	 0.38%	 87,210	 0.38%
Chemicals for water treatment	504,000	2.09%	528,000	2.30%
Water sample testing	89,500	0.37%	158,000	0.69%
 Outside services (legal, audit, engineering, city services, etc.)	 1,081,506	 4.49%	 972,396	 4.24%
Liability, property & workers' comp insurance	180,412	0.75%	189,494	0.83%
Meetings, conventions and public information	43,780	0.18%	46,780	0.20%
Other (phone, postage, bad debts, etc.)	99,785	0.41%	98,400	0.43%
 Depreciation	 5,861,000	 24.32%	 5,567,000	 24.27%
Amortization of wholesale grants	163,103	0.68%	163,103	0.71%
PILOT payment to City	2,320,000	9.63%	2,500,000	10.90%
Debt interest and amortization	1,232,841	5.11%	1,392,111	6.07%
 Total Expenses	 \$ 24,103,718	 100.00%	 \$ 22,933,552	 100.00%

GREEN BAY WATER UTILITY
Schedule of Cash Flows
2025 BUDGET

	Total	Green Bay	Ashwaubenon
Cash Balance 12/31/22	\$ 11,459,249	\$ (6,084,059)	\$ 17,543,308
Net Income	\$ 4,809,998	\$ 2,299,405	\$ 2,510,593
Capital Contribution	(491,546)	(491,546)	-
Depreciation	5,833,752	5,833,752	-
Amortization	131,453	131,453	-
LT debt proceeds	-	-	-
LT debt pmts	(4,305,000)	(3,941,271)	(363,729)
Amortization of debt prem/disc.	(319,300)	(319,300)	-
Interest on debt reserve	(184,718)	(184,718)	-
Gain/loss on debt reserve	(130,376)	(130,376)	-
Regulatory liability	417,199	417,199	-
Fixed asset purchases	(4,240,995)	(4,036,914)	(204,081)
Net change in cash	1,520,467	(422,316)	1,942,783
Cash Balance 12/31/23	\$ 12,979,716	\$ (6,506,375)	\$ 19,486,091
Net Income	\$ 5,539,517	\$ 2,835,387	\$ 2,704,130
Capital Contribution	(325,000)	(325,000)	-
Depreciation	5,867,434	5,867,434	-
Amortization	131,453	131,453	-
LT debt proceeds	-	-	-
LT debt pmts	(4,415,000)	(4,042,051)	(372,949)
Amortization of debt prem/disc.	(361,962)	(361,962)	-
Interest on debt reserve	(190,000)	(190,000)	-
Gain/loss on debt reserve	(121,500)	(121,500)	-
Fixed asset purchases	(8,538,000)	(8,139,650)	(398,350)
Net change in cash	(2,413,058)	(4,345,889)	1,932,831
Cash Balance 12/31/24	\$ 10,566,658	\$ (10,852,264)	\$ 21,418,922
Net Income	\$ 6,390,001	\$ 3,239,215	\$ 3,150,786
Capital Contribution	(300,000)	(300,000)	-
Depreciation	5,972,434	5,972,434	-
Amortization	131,453	131,453	-
LT debt proceeds	9,722,500	9,722,500	-
LT debt pmts	(3,910,000)	(3,584,534)	(325,466)
Amortization of debt prem/disc.	(408,966)	(408,966)	-
Interest on debt reserve	(175,000)	(175,000)	-
Gain/loss on debt reserve	(50,000)	(50,000)	-
Fixed asset purchases	(17,817,925)	(17,593,925)	(224,000)
Net change in cash	(445,503)	(3,046,823)	2,601,320
Cash Balance 12/31/25	\$ 10,121,155	\$ (13,899,087)	\$ 24,020,242

Cash balance includes O & M, Bond Redemption & Reserve, Construction and Private Service Replacement Accounts.

GREEN BAY WATER UTILITY
RATE OF RETURN ANALYSIS
(Excluding Ashwaubenon Wholesale Operations)
2025 BUDGET

	<u>1/1/24</u>	<u>12/31/24</u>	<u>AVERAGE</u>
Plant in Service (Utility Financed)	\$ 230,539,864	\$ 235,539,864	\$ 233,039,864
Less: Accumulated Depreciation	<u>98,880,612</u>	<u>102,880,612</u>	<u>100,880,612</u>
Net Capital Investment (Utility Financed)	131,659,252	132,659,252	132,159,252
Plus: Materials & Supplies	<u>750,291</u>	<u>700,000</u>	<u>725,146</u>
Rate Base	<u>\$ 132,409,543</u>	<u>\$ 133,359,252</u>	\$ 132,884,398
Less: Regulatory Liability			<u>-</u>
Net Investment Rate Base			\$ 132,884,398
Net Operating Income			<u>\$ 2,977,937</u>
Rate of Return - Estimated			<u>2.24%</u>

	<u>1/1/25</u>	<u>12/31/25</u>	<u>AVERAGE</u>
Plant in Service (Utility Financed)	\$ 235,539,864	\$ 244,539,864	\$ 240,039,864
Less: Accumulated Depreciation	<u>102,880,612</u>	<u>107,380,612</u>	<u>105,130,612</u>
Net Capital Investment (Utility Financed)	132,659,252	137,159,252	134,909,252
Plus: Materials & Supplies	<u>700,000</u>	<u>700,000</u>	<u>700,000</u>
Rate Base	<u>\$ 133,359,252</u>	<u>\$ 137,859,252</u>	\$ 135,609,252
Less: Regulatory Liability			<u>-</u>
Net Investment Rate Base			\$ 135,609,252
Net Operating Income			<u>\$ 3,330,495</u>
Rate of Return - Estimated			<u>2.46%</u>

AUTHORIZED RATE OF RETURN: 4%

GREEN BAY WATER UTILITY

CAPITAL IMPROVEMENTS

2025 BUDGET

Project	Department	Amount
Billing System Customer Portal Upgrade	Administrative	\$ 205,000
Computer System Upgrades	Administrative	30,000
Firewall Upgrade	Administrative	15,000
Server Optimization Upgrades & Storage Enhancements	Administrative	30,000
Server Room Switches and Wiring	Administrative	75,000
Village of Pulaski Water Main*	Administrative	1,285,000
Village of Luxemburg Water Main*	Administrative	1,510,000
Vehicle/Equipment Replacement Program Summary	Distribution	810,000
Small Equipment	Distribution/Pumping	59,000
Small Safety Equipment	Distribution/Pumping/Treatment	46,000
Water Utility Installs of Services, Hydrants, Valves & Mains	Distribution	800,000
36-Inch Transmission Main Segment Replacements*	Engineering	600,000
Cityworks Upgrade & Implementation	Engineering	100,000
GIS (ESRI) Upgrade & Implementation	Engineering	200,000
Water Main Relays	Engineering	5,600,000
Meter Replacement	Metering & Cross Connection	606,425
Chlorine System Upgrade at Lake Station*	Pumping	462,500
Generator Addition at Lake Station*	Pumping	3,940,000
PLC Replacement - All Stations*	Pumping	325,000
Insertion Mag Meters*	Treatment	895,000
Lab Equipment	Treatment	30,000
Filter Media	Treatment	114,000
Fire Suppression System	Treatment	35,000
Ozone System and Filter Plant Instrumentation	Treatment	45,000
Total Project Costs		<u>\$ 17,817,925</u>
Funding Sources:		
Water User Fees		\$ 8,800,425
Revenue Bonds/Safe Drinking Water Loan*		<u>9,017,500</u>
Total Funding Sources		<u>\$ 17,817,925</u>

FIVE-YEAR CAPITAL IMPROVEMENT PLAN 2025



*THE MISSION OF THE GREEN BAY WATER UTILITY IS
TO PROVIDE 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 to develop a capital program and to balance the operating impact 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 approximately \$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 most 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
2024 PROJECT STATUS**

Project	Dept.	2024 Budget Amount	2024 Projected or Actual Cost	2024 Projected Status
Billing System Customer Portal Upgrade	Administrative	\$ 205,000	\$ -	Carry forward to 2025
Computer System Upgrades	Administrative	50,000	30,000	Complete
Firewall Upgrade	Administrative	15,000	-	Carry forward to 2025
Phone System Replacement	Administrative	50,000	40,000	Complete
Server Optimization Upgrades & Storage Enhancements	Administrative	100,000	327,000	Complete
Village of Pulaski Water Main	Administrative	1,230,000	-	Carry forward to 2025
Vehicle/Equipment Replacement Program Summary	Distribution	770,000	177,000	Carry forward to 2025
Small Equipment	Distribution	25,000	23,000	Complete
Small Safety Equipment	Distribution	10,000	7,000	Complete
Water Utility Installs of Services, Hydrants, Valves & Mains	Distribution	750,000	825,000	Complete
36-Inch Transmission Main Segment Replacements	Engineering	400,000	100,000	Carry forward to 2025
Cityworks Upgrade & Implementation	Engineering	30,000	86,000	Complete
GIS (ESRI) Upgrade & Implementation	Engineering	150,000	-	Carry forward to 2025
Water Main Relays	Engineering	5,060,000	5,060,000	Complete
Meter Replacement	Metering & Cross Connection	320,000	585,000	Complete
Chlorine System Upgrade at Lake Station	Pumping	180,000	46,000	Carry forward to 2025
Generator Addition at Lake Station	Pumping	1,000,000	615,000	Carry forward to 2025
Radio Replacement	Pumping	150,000	160,000	Complete
Vault Replacement - Hwy 54/57	Pumping	90,000	160,000	Complete
Corrosion Control Upgrade	Treatment	100,000	-	Carry forward to 2025
Insertion Mag Meters	Treatment	325,000	70,000	Carry forward to 2025
Lab Equipment	Treatment	40,000	27,000	Complete
SCADA Software Upgrade	Treatment	200,000	200,000	Complete
		<u>\$ 11,250,000</u>	<u>\$ 8,538,000</u>	

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
2025-2029**

Page	Project	Dept.	2025	2026	2027	2028	2029	Total
4	Billing System Customer Portal Upgrade	Administrative	\$ 205,000	\$ -	\$ -	\$ -	\$ -	\$ 205,000
5	Computer System Upgrades	Administrative	30,000	30,000	30,000	30,000	30,000	150,000
6	Firewall Upgrade	Administrative	15,000	-	-	-	-	15,000
7	Server Optimization Upgrades & Storage Enhancements	Administrative	30,000	30,000	30,000	30,000	30,000	150,000
8	Server Room Switches and Wiring	Administrative	75,000	-	-	-	-	75,000
9	South Adams Buildings Roof Replacement & Solar Panels*	Administrative	-	-	75,000	1,000,000	-	1,075,000
10	Village of Pulaski Water Main*	Administrative	1,285,000	-	-	-	-	1,285,000
11	Village of Luxemburg Water Main*	Administrative	1,510,000	-	-	-	-	1,510,000
12	Vehicle/Equipment Replacement Program Summary	Distribution	810,000	1,370,000	920,000	326,000	340,000	3,766,000
13-17	Distribution Vehicles							
18-21	Metering & Cross Connection Vehicles							
22-23	Office & Engineering Vehicles							
24-25	Pumping Vehicles							
26-27	Treatment Vehicles							
28	Electric Vehicle Charging System Infrastructure	Distribution	-	290,000	-	-	-	290,000
29	Small Equipment	Distribution/Pumping	59,000	50,000	50,000	50,000	50,000	259,000
30	Small Safety Equipment	Distribution/Pumping/Treatment	46,000	20,000	20,000	20,000	20,000	126,000
31	Water Utility Installs of Services, Hydrants, Valves & Mains	Distribution	800,000	800,000	800,000	800,000	800,000	4,000,000
32	36-Inch Transmission Main Segment Replacements*	Engineering	600,000	-	-	-	-	600,000
33	Cityworks Upgrade & Implementation	Engineering	100,000	100,000	-	100,000	-	300,000
34	GIS (ESRI) Upgrade & Implementation	Engineering	200,000	50,000	-	-	-	250,000
35-39	Water Main Relays	Engineering	5,600,000	8,020,000	5,180,000	5,090,000	6,600,000	30,490,000
40	Water Main Replacement - Humboldt Road*	Engineering	-	-	-	-	1,740,000	1,740,000
41	Meter Replacement	Metering & Cross Connection	606,425	712,650	1,003,170	1,191,910	1,366,730	4,880,885
42	Chlorine System Upgrade at Lake Station*	Pumping	462,500	-	-	-	-	462,500
43	Generator Addition at Lake Station*	Pumping	3,940,000	6,250,000	2,960,000	-	-	13,150,000
44	PLC Replacement - All Stations*	Pumping	325,000	-	-	-	-	325,000
45	Water Tower - Bader Zone*	Pumping	-	300,000	4,100,000	-	-	4,400,000
46	Lake Station SCADA Antenna Tower Replacement	Pumping	-	-	140,000	-	-	140,000
47	Lake Station Surge Relief Valves	Pumping	-	-	-	70,000	-	70,000
48	Raw Water Transmission Main Combination Air Valves*	Pumping	-	-	-	1,800,000	-	1,800,000
49	Taylor St. PRV - SCADA Monitoring	Pumping	-	-	40,000	-	-	40,000
50	Insertion Mag Meters*	Treatment	895,000	-	-	-	-	895,000
51	Lab Equipment	Treatment	30,000	30,000	30,000	30,000	30,000	150,000
52	Filter Media	Treatment	114,000	-	-	-	-	114,000
53	Fire Suppression System	Treatment	35,000	-	-	-	-	35,000
54	Ozone System and Filter Plant Instrumentation	Treatment	45,000	43,000	50,000	50,000	35,000	223,000
55	Lab Addition	Treatment	-	-	-	-	550,000	550,000
56	Diesel Generator Replacement*	Treatment	-	400,000	-	-	-	400,000
Total Project Costs			<u>\$ 17,817,925</u>	<u>\$ 18,495,650</u>	<u>\$ 15,428,170</u>	<u>\$ 10,587,910</u>	<u>\$ 11,591,730</u>	<u>\$ 73,921,385</u>
Funding Sources:								
Water User Fees			\$ 8,800,425	\$ 11,845,650	\$ 8,368,170	\$ 7,787,910	\$ 9,851,730	\$ 46,653,885
Revenue Bonds/Safe Drinking Water Loan*			<u>9,017,500</u>	<u>6,650,000</u>	<u>7,060,000</u>	<u>2,800,000</u>	<u>1,740,000</u>	<u>25,527,500</u>
Total Funding Sources			<u>\$ 17,817,925</u>	<u>\$ 18,495,650</u>	<u>\$ 15,428,170</u>	<u>\$ 10,587,910</u>	<u>\$ 11,591,730</u>	<u>\$ 72,181,385</u>

See pages 57-65 for Significant Operating and Maintenance Expenses

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Billing System Customer Portal Upgrade

Department: Administration

Project Description & Justification:

Our current customer portal included in our billing software (NorthStar) is eCare. This upgrade is mandatory due to security and the old system will not be supported. We have been working with NorthStar for the last couple of years to make sure the upgrade meets our needs and customers. NorthStar has been having issues getting the proper functionality in the new portal. The new customer portal is SilverBlaze. This customer portal enhances mobile customer experiences and provides more user-friendly access to their utility account information.

Impact on On-going Operating Costs/Personnel Requirements:

The annual license subscription will likely increase.

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 205,000	\$ -	\$ -	\$ -	\$ -	\$ 205,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Computer System Upgrades

Department: Administrative

Project Description & Justification:

Miscellaneous hardware replacements and software updates on desktop computers, laptops, printers etc.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Firewall Upgrade

Department: Administrative

Project Description & Justification:

Firewall upgrade will be needed for hardware to stay current with cybersecurity standards. This needs to be done after the phone system upgrade which was completed in 2024.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ 15,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Server Optimization Upgrades & Storage Enhancements

Department: Administrative

Project Description & Justification:

In 2024, the server room was overhauled. All hardware and software was replaced to increase data storage. In future years we will continue to upgrade servers to current Microsoft Operating System and upgrade and add to the hardware at the main office and filter plant based on additional building and operational needs.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Server Room Switches and Wiring

Department: Administrative

Project Description & Justification:

In 2024, the server room was overhauled. All hardware and software was replaced to increase data storage. Since the building remodel and the server room update, the wiring needs to be cleaned up along with the replacement of the switches.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: South Adams Buildings Roof Replacement & Solar Panels

Department: Administrative

Project Description & Justification:

This project would include the replacement of the roofing at the South Adams Street office, warehouse, and vehicle storage building. As part of the Clean Energy Study, it was recommended that an evaluation of including solar panels to the roofing system be completed at the time of roofing replacement to see if the roofing systems could support the panels and to evaluate the cost/benefit ratio adding solar energy to the Utility office operations including future EV charging demands. The solar evaluation and engineering design would occur in 2027 with construction following in 2028.

Impact on On-going Operating Costs/Personnel Requirements:

This project would have the potential of lowering the carbon footprint of the Utility office campus as well as reducing the Utility office electrical costs. Future evaluation will need to account for solar units requiring inverter replacement at 15 years and also investigate what funding support mechanisms might be available at the time to help defray project costs.

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ 75,000	\$ 1,000,000	\$ -	\$ 1,075,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Village of Pulaski Water Main

Department: Administrative

Project Description & Justification:

As part of a potential wholesale water agreement with the Village of Pulaski, a capital contribution would be provided to the Village for the construction of water infrastructure in connecting the Village system to the Green Bay Water system. The capital contribution is currently based on Pulaski guaranteeing 0.290 MGD in usage.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 1,285,000	\$ -	\$ -	\$ -	\$ -	\$ 1,285,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Village of Luxemburg Water Main

Department: Administrative

Project Description & Justification:

As part of a potential wholesale water agreement with the Village of Luxemburg, a capital contribution would be provided to the Village for the construction of water infrastructure in connecting the Village system to the Green Bay Water system. The capital contribution is currently based on Luxemburg guaranteeing 0.340 MGD in usage.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 1,510,000	\$ -	\$ -	\$ -	\$ -	\$ 1,510,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
VEHICLE/EQUIPMENT REPLACEMENT PROGRAM SUMMARY
2025 - 2029

2025

ID	Year	Make	Model	Department	Description	Condition	Anticipated miles/hours	Recommended Replacement	Est. Replacement Cost	Disposition
16	2019	Chev	Silverado 3500	Distribution	Crew truck*	7	52,822	55,000 miles	\$90,000	Keep - Misc. Fleet
5	2015	Chev	Silverado 2500	Distribution	UDF/service truck	5	102,675	125,000 miles	\$85,000	Keep - Misc. Fleet
308	2017	Chev	Colorado	Pumping	Electrician work truck	5	123,428	125,000 miles	\$85,000	Sell or keep
87	2005	Ford	F250	Distribution	Front line daily usage	4	77,480	100,000 miles	\$85,000	Keep - Misc. Fleet
7	2015	Cat	Backhoe	Distribution	Backhoe	5	7,998	7,500 hours	\$165,000	Sell
4	2015	Chev	Silverado 2500	Distribution	Locate/service truck #	5	119,021	125,000 miles	\$85,000	Keep - Misc. Fleet
111	2008	Chev	2500 Van	Metering	Service van #	2	91,954	125,000 miles	\$50,000	Sell or keep
309	2018	Ford	F250	Pumping	Electrician work truck	7	96,939	125,000 miles	\$80,000	Sell or keep
307	2017	Chev	Colorado	Pumping	Electrician work truck	5	105,220	125,000 miles	\$85,000	Sell or keep
TOTAL									\$810,000	

2026

ID	Year	Make	Model	Department	Description	Condition	Anticipated miles/hours	Recommended Replacement	Est. Replacement Cost	Disposition
18	2019	Chev	Silverado 2500	Distribution	Locate/service truck #	7	112,719	125,000 miles	\$85,000	Keep - Misc. Fleet
19	2019	Ford	F350	Distribution	Crew truck*	8	45,153	55,000 miles	\$90,000	Keep - Misc. Fleet
210	2009	Pontiac	G6	Office & Eng	IT daily usage #	5	119,267	125,000 miles	\$35,000	Sell
113	2013	Ford	E250 Van	Metering	Service van #	4	124,106	125,000 miles	\$50,000	Sell or keep
429	2013	Vermeer	LP555SDT	Distribution	Limited use vacuum excavator	6	1,958 hours	2,000 hours	\$90,000	Sell
86	2005	Intl	Dump Truck	Distribution	Front line daily usage	4	122,211	100,000 miles	\$200,000	Sell
98	2009	Intl	Dump Truck	Distribution	Front line daily usage	4	86,578	100,000 miles	\$200,000	Sell
3	2016	Mack	Dump Truck	Distribution	Front line daily usage	6	69,173	100,000 miles	\$200,000	Sell
9	2016	Frtliner	Dump Truck	Distribution	Front line daily usage	7	74,943	100,000 miles	\$200,000	Sell
8	2015	Cat	Backhoe	Distribution	Backhoe	5	9,181 hours	7,500 hours	\$165,000	Sell
212	2015	Chev	Colorado	Treatment	Foreman truck #	7	101,793	125,000 miles	\$55,000	Keep - Misc. Fleet
TOTAL									\$1,370,000	

2027

ID	Year	Make	Model	Department	Description	Condition	Anticipated miles/hours	Recommended Replacement	Est. Replacement Cost	Disposition
83	2000	GMC	Sierra 2500	Distribution	Mechanic service truck	4	86,055	125,000 miles	\$80,000	Sell
64	1991	John Deere	Loader	Distribution	Yard loader	6	6,148 hours	8,000 hours	\$235,000	Sell
88	2006	Chev	5500 4 x 4	Distribution	Limited use dump truck	7	36,175	100,000 miles	\$100,000	Sell
11	2017	Mack	Dump Truck	Distribution	Front line daily usage	8	76,202	100,000 miles	\$200,000	Sell
15	2017	Cat	Backhoe	Distribution	Backhoe	8	7,577 hours	7,500 hours	\$165,000	Sell
22	2021	Chev	Silverado 2500	Distribution	Front line daily usage - On Call	8	91,000	125,000 miles	\$85,000	Sell
213	2016	Chev	Colorado	Pumping	Foreman truck #	7	103,040	125,000 miles	\$55,000	Keep - Misc. Fleet
TOTAL									\$920,000	

2028

ID	Year	Make	Model	Department	Description	Condition	Anticipated miles/hours	Recommended Replacement	Est. Replacement Cost	Disposition
414	2000	Slmco	Drill Rig	Distribution	Limited use drill rig	7	1,871 hours	3,000 hours	\$140,000	Sell
114	2013	Ford	E250 Van	Metering	Service van #	6	69,198	125,000 miles	\$55,000	Sell or keep
214	2017	Dodge	Journey	Office & Eng	Ops. daily usage #	9	48,923	125,000 miles	\$38,000	Sell
208	2006	GMC	Canyon	Office & Eng	Engineer limited usage #	6	61,180	125,000 miles	\$55,000	Sell
305	2019	Chev	Equinox	Treatment	Front line daily usage #	7	171,021	150,000 miles	\$38,000	Sell
TOTAL									\$326,000	

2029

ID	Year	Make	Model	Department	Description	Condition	Anticipated miles/hours	Recommended Replacement	Est. Replacement Cost	Disposition
21	2021	Frtliner	Dump Truck	Distribution	Front line daily usage	9	61,616	100,000 miles	\$200,000	Sell
411	1998	Road	Air Comp.	Distribution	Limited use air supply	6	575 hours	1,000 hours	\$30,000	Sell
116	2019	Chev	2500 Van	Metering	Service van #	8	70,439	125,000 miles	\$55,000	Sell
115	2006	Chev	G2500 Van	Metering	Service van #	7	83,165	125,000 miles	\$55,000	Sell
TOTAL									\$340,000	

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

*Crew trucks get replaced every three to five years due to essential reliability. Retired Crew trucks become miscellaneous fleet vehicles used for Distribution maintenance.

#Electric vehicle option

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Distribution Vehicles - 2025

Department: Distribution

Project Description & Justification:

2024 Budget Carry-Over:

The following vehicles were approved in the 2024 budget, ordered in 2024 and due to extended production dates are expected to be delivered to the Utility in 2025:

#16 - \$90,000 - Front line daily use crew truck (2019 Chevy 3500 truck)

#5 - \$85,000 - Front line daily use UDF service truck (2015 Chevy 2500 truck)

2025 Budget:

\$85,000 - Front line daily use utility service truck.

#87, a 2005 Ford F250 truck will remain in the fleet until it reaches its maximum service life and then be retired.

\$165,000 - Front line daily use backhoe.

#7, a 2015 Cat backhoe will be sold.

\$85,000 - Front line daily use locate truck.

#4, a 2015 Chevy 2500 truck will remain in the fleet until it reaches its maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for this equipment replacement is mileage and reliability (daily front line use). Given our climate, rust plays a significant role in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last.

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 510,000	\$ -	\$ -	\$ -	\$ -	\$ 510,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Distribution Vehicles - 2026

Department: Distribution

Project Description & Justification:

2024 Budget Carry-Over:

The following vehicles were approved in the 2024 budget, ordered in 2024 and due to extended production dates are expected to be delivered to the Utility in the first quarter of 2026:

#86 - \$200,000 - Front line daily use dump truck (2005 International dump truck)

#98 - \$200,000 - Front line daily use dump truck (2009 International dump truck)

2026 Budget:

\$85,000 - Front line daily use locate/service truck.

Electric vehicle option will be evaluated.

#18, a 2019 Chev Silverado 2500 locate/service truck will remain in the fleet until it reaches its maximum service life and then be retired.

\$90,000 - Front line daily use crew truck.

#19, a 2019 Ford F350 crew truck will remain in the fleet until it reaches its maximum service life and then be retired.

\$90,000 - Limited use vacuum excavator.

#429, a 2013 Vermeer vacuum excavator will be sold.

\$200,000 - Front line daily use dump truck.

#3, a 2016 Mack dump truck will be sold.

\$200,000 - Front line daily use dump truck.

#9, a 2016 Freightliner dump truck will be sold.

\$165,000 - Front line daily use backhoe.

#8, a 2015 Cat backhoe will be sold.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for this equipment replacement is mileage and reliability (daily front line use). Given our climate, rust plays a significant role in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last.

COST ANALYSIS Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ 1,230,000	\$ -	\$ -	\$ -	\$ 1,230,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Distribution Vehicles - 2027

Department: Distribution

Project Description & Justification:

\$80,000 - Limited use mechanic service truck.

#83, a 2000 GMC Sierra 2500 mechanic service truck will be sold.

\$235,000 - Limited use yard loader.

#64, a 1991 John Deere loader will be sold.

\$100,000 - Limited use utility small dump truck.

#88, a 2006 Chev 5500 4x4 will be sold.

\$200,000 - Front line daily use dump truck.

#11, a 2017 Mack dump truck will be sold.

\$165,000 - Front line daily use backhoe.

#15, a 2017 Cat backhoe will be sold.

\$85,000 - Front line daily use on call truck.

#22, a 2015 Chev Silverado 2500 on call truck will remain in the fleet until it reaches its maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

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

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ 865,000	\$ -	\$ -	\$ 865,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Distribution Vehicles - 2028

Department: Distribution

Project Description & Justification:

\$140,000 - Limited use drill rig.
#414, a 2000 Simco drill rig will be sold.

Impact on On-going Operating Costs/Personnel Requirements:

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

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ -	\$ 140,000	\$ -	\$ 140,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Distribution Vehicles - 2029

Department: Distribution

Project Description & Justification:

\$30,000 - Limited use road air compressor.

#411, a 1998 Limited use road air compressor will be sold.

\$200,000 - Front line daily use dump truck.

#21, a 2021 Freightliner dump truck will be sold.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for this equipment replacement is mileage and reliability (daily front line use). Given our climate, rust plays a significant role in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last.

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ -	\$ -	\$ 230,000	\$ 230,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Metering & Cross Connection Vehicles - 2025

Department: Distribution

Project Description & Justification:

\$50,000 - Front line daily use service van.
#111, a 2008 Chev 2500 service van will be sold or remain in the fleet until it reaches its maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for this equipment replacement is mileage and reliability (daily front line use). Given our climate, rust plays a significant role in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last.

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Metering & Cross Connection Vehicles - 2026

Department: Distribution

Project Description & Justification:

\$50,000 - Front line daily use service van.
Electric vehicle option will be evaluated.
#113, a 2013 Ford E250 service van will be sold or remain in the fleet until it reaches its maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for this equipment replacement is mileage and reliability (daily front line use). Given our climate, rust plays a significant role in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last.

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ 50,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Metering & Cross Connection Vehicles - 2028

Department: Distribution

Project Description & Justification:

\$55,000 - Front line daily use service van.
Electric vehicle option will be evaluated.
#114, a 2013 Ford E250 service van will be sold or remain in the fleet until it reaches its maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

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

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ -	\$ 55,000	\$ -	\$ 55,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2024 - 2028**

Project Title: Metering & Cross Connection Vehicles - 2029

Department: Distribution

Project Description & Justification:

\$55,000 - Front line daily use service van.

Electric vehicle option will be evaluated.

#116, a 2019 Chev 2500 service van will be sold or remain in the fleet until it reaches its maximum service life and then be retired.

\$55,000 - Front line daily use service van.

Electric vehicle option will be evaluated.

#115, a 2018 Chev 2500 service van will be sold or remain in the fleet until it reaches its maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for this equipment replacement is mileage and reliability (daily front line use). Given our climate, rust plays a significant role in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last.

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ -	\$ -	\$ 110,000	\$ 110,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Office & Engineering Vehicles - 2026

Department: Distribution

Project Description & Justification:

\$35,000 - Front line daily use miscellaneous transportation vehicle.
Electric vehicle option will be evaluated.
#210, a 2009 Pontiac G6 will be sold.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for this equipment replacement is mileage and reliability (daily front line use). Given our climate, rust plays a significant role in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last.

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ 35,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Office & Engineering Vehicles - 2028

Department: Distribution

Project Description & Justification:

\$38,000 - Front line daily use transportation vehicle.
Electric vehicle option will be evaluated.
#214, a 2017 Dodge Journey will be sold.

\$55,000 - Engineering limited use vehicle.
Electric vehicle option will be evaluated.
#208, a 2006 GMC Canyon will be sold.

Impact on On-going Operating Costs/Personnel Requirements:

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

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ -	\$ 93,000	\$ -	\$ 93,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2028**

Project Title: Pumping Vehicles - 2025

Department: Distribution

Project Description & Justification:

2024 Budget Carry-Over:

The following vehicle was approved in the 2024 budget, ordered in 2024 and is awaiting delivery for late 2024 and into early 2025:

#308 - \$85,000 - Front line daily use electrician work truck (2017 Chevy Colorado truck)

2025 Budget:

\$85,000 - Front line daily use electrician work truck.

#307, 2017 Chev Colorado electrician work truck will be sold or remain in the fleet until it reaches the maximum service life and then be retired.

\$80,000 - Front line daily use pumping electrician work truck.

#309, a 2018 Ford F250 electrician work truck will be sold or remain in the fleet until it reaches its maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for this equipment replacement is mileage and reliability (daily front line use). Given our climate, rust plays a significant role in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last.

COST ANALYSIS Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Pumping Vehicles - 2027

Department: Distribution

Project Description & Justification:

\$55,000 - Daily use foreman transportation vehicle.

Electric vehicle option will be evaluated.

#213, a 2016 Chev Colorado foreman truck will remain in the fleet until it reaches its maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for this equipment replacement is mileage and reliability (daily front line use). Given our climate, rust plays a significant role in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last.

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ 55,000	\$ -	\$ -	\$ 55,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Treatment Vehicles - 2026

Department: Distribution

Project Description & Justification:

\$55,000 - Daily use foreman transportation vehicle.
Electric vehicle option will be evaluated.
#212, a 2015 Chev Colorado foreman truck will remain in the fleet until it reaches its maximum service life and then be retired.

Impact on On-going Operating Costs/Personnel Requirements:

The major factor for this equipment replacement is mileage and reliability (daily front line use). Given our climate, rust plays a significant role in the longevity of our vehicles/equipment. This type of maintenance is very expensive and often times doesn't last.

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$55,000	\$ -	\$ -	\$ -	\$ 55,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Treatment Vehicles - 2028

Department: Distribution

Project Description & Justification:

\$38,000 - Front line daily use transportation vehicle.
Electric vehicle option will be evaluated.
#305, a 2019 Chev Equinox will be sold.

Impact on On-going Operating Costs/Personnel Requirements:

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

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ -	\$ 38,000	\$ -	\$ 38,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Electric Vehicle (EV) Charging System Infrastructure

Department: Distribution

Project Description & Justification:

As part of the Clean Energy Study, the Utility is planning for the future implementation of electric vehicles into its fleet. Prior to or in conjunction with the EV purchases, the design and construction of the charging infrastructure will need to be in place in order to support the vehicles. In review of the vehicle replacement program, the vehicles most compatible with EV alternates start coming due for replacement in 2026. As such, the design and construction of the charging infrastructure is planned to occur in the same year.

Impact on On-going Operating Costs/Personnel Requirements:

The electrical demand charges at the Utility Office (631 S. Adams Street) is a factor being used in planning the implementation of EV and the charging infrastructure as the Utility should bring a number of EV's on at one time to help mitigate the increase in demand charges.

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ 290,000	\$ -	\$ -	\$ -	\$ 290,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Small Equipment

Department: Distribution/Pumping

Project Description & Justification:

This request is for the purchase of equipment for new vehicle set up and new or replacement equipment over the value of \$500. In 2025, the Distribution, Pumping and Treatment divisions are combining their small equipment budgets into one CIP entry. Some examples small equipment purchases include generators, pipe saws, gas and electric pumps, valve operators, trench compactors, small trailers, inspection cameras, pipe tapping machines, pipe tapping motors, welders, electronic leak detection equipment, GPS locating equipment and torch kits. The major factor for these equipment replacements is maintenance and reliability (daily front line use).

Distribution: \$25,000

Pumping: \$34,000 ***

***Main Item: Small trailer to move equipment from Utility Shop to Lake Station to Filter Plant.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 59,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 259,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Small Safety Equipment

Department: Distribution

Project Description & Justification:

This request is for the replacement of safety equipment over the value of \$500. In 2025, the Distribution, Pumping and Treatment divisions are combining their small safety equipment budgets into one CIP entry. Some examples of this type of equipment include 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 determining equipment replacement is its age and maintenance needs such that the equipment remains reliable for daily front line use.

Distribution: \$10,000

Pumping: \$33,500 ***

Treatment: \$2,500

***Main Item: Davit crane and confined space entry equipment for Lake Station.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 46,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 126,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Water Utility Installs of Services, Hydrants, Valves & Mains

Department: Distribution

Project Description & Justification:

Water Utility stand alone installations of services, hydrants & valves along with replacement of mains due to repairs.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 4,000,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: 36-Inch Transmission Main Segment Replacements

Department: Engineering

Project Description & Justification:

This project includes replacement of the pipe segments on the 36" transmission mains that were identified with wire breaks from the 2020 PipeDiver analysis. Pipeline segment replacements include 9 pipe segments with broken wires along Mason Street/Finger Road and 2 pipe segments along Grandview Road. The project was designed in 2024 and bid in late 2024 with construction spanning late 2024 into early 2025.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ 600,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Cityworks Upgrade & Implementation

Department: Engineering

Project Description & Justification:

Upgrade the Cityworks software (through Trimble) from its soon-to-be unsupported platform to a new, service-supported platform. This project includes the consultant costs through Power Engineers, the Cityworks software upgrade, re-evaluation of the software customizations, deployment of the upgrade and migration of the data storage from on-site servers to Cloud Storage.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 100,000	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ 300,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: GIS (ESRI) Upgrade & Implementation

Department: Engineering

Project Description & Justification:

Upgrade from ArcGIS to ArcGIS Pro started in 2024 to move the Utility's GIS software (through Environmental System Research Institute) from its current unsupported platform to a new, service-supported platform. This project includes the consultant costs through Power Engineers, the ArcGIS Pro upgrade, the interim Cityworks upgrade, deployment of the upgrade and migration of the data storage from on-site servers to a Utility Network (Cloud Storage).

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 200,000	\$ 50,000	\$ -	\$ -	\$ -	\$ 250,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Water Main Relays - 2025

Department: Engineering

Project Description & Justification:

Relays on Resurfacing Streets:

Berger Street - \$140,000
Biemeret Street - \$510,000
Briquelet Street - \$370,000
Deschane Place - \$260,000
Frank Street - \$70,000
Oak Grove Avenue - \$300,000
Park Street - \$530,000
Parkwood Court - \$70,000
Rutgers Street - \$100,000
Servais Street - \$420,000
Steven Street - \$370,000
Wegner Street - \$70,000

Relays on Reconstructed Streets:

4th Street - \$190,000
Hinkle Street - \$130,000
N. Irwin Avenue - \$90,000
N. Maple Avenue - \$380,000
N. Maple Avenue - \$520,000
Oak Street - \$190,000
Oxford Avenue - \$170,000
Reed Street - \$90,000
St. Clair Street - \$460,000
Spring Street - \$90,000
Cass Street - \$80,000

Total Footage = 24,200 Feet / 4.58 Miles

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 5,600,000	\$ -	\$ -	\$ -	\$ -	\$ 5,600,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Water Main Relays - 2026

Department: Engineering

Project Description & Justification:

Relays on Resurfacing Streets:

14th Avenue - \$440,000
 Alvina Street - \$210,000
 Bretcoe Drive - \$210,000
 Grouse Court - \$70,000
 Hillside Lane - \$350,000
 Irene Street - \$100,000
 Minor Court - \$210,000
 Morning Star Court - \$50,000
 Neufeld Street - \$370,000
 Raymond Street - \$330,000
 Rosalie Lane - \$230,000
 Rufffed Court - \$70,000
 Skyline Boulevard - \$70,000
 Skyline Boulevard(ES) - \$230,000
 Skyline Boulevard(WS) - \$120,000
 Woodruff Court - \$70,000

Relays on Reconstructed Streets:

13th Avenue - \$570,000
 Congress Street - \$110,000
 Elmore Street - \$1,200,000
 Hinkle Street - \$420,000
 N. Maple Avenue - \$190,000
 Mather Street - \$1,400,000
 Chicago Street - \$100,000
 Division Street - \$900,000

Total Footage = 29,700 Feet / 5.62 Miles

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ 8,020,000	\$ -	\$ -	\$ -	\$ 8,020,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Water Main Relays - 2027

Department: Engineering

Project Description & Justification:

Relays on Resurfacing Streets:

Alpine Drive - \$190,000
Amy Street - \$230,000
Cedar Street - \$230,000
Clayton Place - \$210,000
Columbia Avenue - \$490,000
Lost Lane - \$210,000
Minahan Street - \$140,000
Park Street - \$120,000
Royal Boulevard - \$280,000
Royal Boulevard - \$120,000
Schoen Street - \$230,000
Schwartz Street - \$210,000
Spence Street - \$650,000

Relays on Reconstructed Streets:

13th Avenue - \$870,000
Emilie Street - \$360,000
S. Roosevelt Street - \$300,000
Elmore Street - \$270,000
Augusta Street - \$70,000

Total Footage = 21,050 Feet / 4.00 Miles

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ 5,180,000	\$ -	\$ -	\$ 5,180,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Water Main Relays - 2028

Department: Engineering

Project Description & Justification:

Relays on Resurfacing Streets:

Alrose Street - \$140,000

Bader Street - \$330,000

Crest Lane - \$260,000

Erma Drive - \$120,000

Goodell Street - \$140,000

Langlade Avenue - \$350,000

Maryhill Drive - \$260,000

Newberry Avenue - \$330,000

Russell Street - \$230,000

Waverly Place - \$140,000

Relays on Reconstructed Streets:

Chicago Street - \$360,000

Clay Street - \$1,280,000

S. Chestnut Avenue - \$190,000

Quincy Street - \$960,000

Total Footage = 18,800 Feet / 3.60 Miles

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ -	\$ 5,090,000	\$ -	\$ 5,090,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Water Main Relays - 2029

Department: Engineering

Project Description & Justification:

Relays on Resurfacing Streets:

Biemeret Street - \$490,000
Eastview Drive - \$210,000
Echo Hill Drive - \$230,000
Gross Avenue - \$120,000
Jamesford Avenue - \$260,000
Kenwood Drive - \$350,000
Queoff Street - \$140,000
Ravenswood Drive - \$210,000
Sandy Lane - \$70,000
St. Charles Drive - \$280,000
St. Lawrence Drive - \$260,000
Suburban Avenue - \$90,000
Swiss Hill Drive - \$510,000

Relays on Reconstructed Streets:

S. Quincy Street - \$770,000
Baird Street - \$1,320,000
Chicago Street - \$90,000
Christiana Street - \$410,000
Howard Street - \$410,000
Hazel Street - \$300,000
Yale Street - \$140,000

Total Footage = 25,170 Feet / 4.77 Miles

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ -	\$ -	\$ 6,600,000	\$ 6,600,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Water Main Replacement - Humboldt Road

Department: Engineering

Project Description & Justification:

This project is part of the short-term capital improvements listed in the Master Plan. The Mount Mary Elevated Storage is nearing the end of its useful life and the WDNR recommending its demolition prior to its next maintenance cycle (early 2030's). Prior to tank demolition, the existing 8-inch water main along Humboldt Road (Lake Largo Drive to Mount Mary Drive) will be replaced to provide a reliable water main grid connection within the Mount Mary pressure zone.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ -	\$ -	\$ 1,740,000	\$ 1,740,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

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 purchased each year (including labor):

2025: Meters - 1,730 MTUs - 1,750
 2026: Meters - 2,270 MTUs - 1,750
 2027: Meters - 3,100 MTUs - 2,500
 2028: Meters - 3,500 MTUs - 3,000
 2029: Meters - 3,890 MTUs - 3,250

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 606,425	\$ 712,650	\$ 1,003,170	\$ 1,191,910	\$ 1,366,730	\$ 4,880,885

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Chlorine System Upgrade at Lake Station

Department: Pumping

Project Description & Justification:

This project would take the current system and replace it with the current best practice. All chlorine gas will be in one building including the injection point. This would include moving equipment from the pump station to the chlorine building, adding an additional room inside the chlorine building, and burying new water supply and solution delivery lines between the buildings. This will improve safety of the current dated system by eliminating the long run of vacuum pipe filled with gaseous chlorine and the gas injection point located in the pump station. The project was designed in 2024, bid in late 2024 and will have construction completed in 2025.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 462,500	\$ -	\$ -	\$ -	\$ -	\$ 462,500

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Generator Addition at Lake Station

Department: Pumping

Project Description & Justification:

Install an additional generator including switch gear and accommodating structure at the Lake Station. Associated engineering work for preparation of plans and specifications was completed in 2024 and bidding is planned for late 2024. Construction consisting of site/utility work as well as building construction will occur throughout 2025 with major electrical component construction being completed in 2026 and into 2027. There are long lead times on some of the electrical components, hence the expanded construction timeframe.

Impact on On-going Operating Costs/Personnel Requirements:

This project will update the emergency generator electrical equipment, switchgear, electrical feed to an industry standard voltage. The upgrade of the two existing generators and addition of a third generator will give the Utility the ability to run more pumps on emergency power generation thus improving efficiency and providing greater Lake Station raw water supply reliability.

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 3,940,000	\$ 6,250,000	\$ 2,960,000	\$ -	\$ -	\$ 13,150,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: PLC Replacement - All Stations

Department: Pumping

Project Description & Justification:

Replace Programmable Logic Controller Systems (PLCs) at all Utility towers, tanks, PRV stations, pump stations and operational sites. SCADA communication to these sites is critical and without the PLC, we would be missing the necessary communication for data acquisition and operational control of the water system. A large number of the current PLCs are over 20 years old and no longer supported. By replacing the PLCs with newer units, we will see quicker service response rates and ensure replacement parts will be available, when needed.

Impact on On-going Operating Costs/Personnel Requirements:

Our pumping staff will be assisting with the installation of the new PLCs to offset vendor cost.

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 325,000	\$ -	\$ -	\$ -	\$ -	\$ 325,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Water Tower - Bader Zone

Department: Pumping

Project Description & Justification:

As part of the Master Plan recommendation to provide storage and reliability in the system's second largest water using pressure zone, this project would include the construction of a 1 million gallon water tower in Bader zone. The current plan would be to complete the purchase of land and engineering design in 2026 with construction following in 2027.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ 300,000	\$ 4,100,000	\$ -	\$ -	\$ 4,400,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Lake Station SCADA Antenna Tower Replacement

Department: Pumping

Project Description & Justification:

This project would upgrade the aging antenna structure located at the Lake Pumping Station. This would include removal and replacement of existing structure with a stand alone self-supporting tower per Wireless Internet Service Provider (WISP) service specifications.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ 140,000	\$ -	\$ -	\$ 140,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Lake Station Surge Relief Valves

Department: Pumping

Project Description & Justification:

This project is recommended in the Master Plan and the Raw Water System Study involving the addition of two new surge relief valves at the existing three surge relief valves located at the Lake Pump Station. The surge relief valves relieve the water surge caused by pump operation or by pump cut off during power outages. The additional two valves will further help minimize the surge experienced by the raw water transmission main piping and extend its useful life. This project would need to be completed in advance of the abandonment of the Highway B Booster Station/Reservoir.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ 70,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Raw Water Transmission Main Combination Air Valves Replacement

Department: Pumping

Project Description & Justification:

This project is recommended in the Master Plan and the Raw Water System Study involving the replacement of the existing air relief valves along the raw water transmission mains. The combination air valves help relieve the trapped air within the transmission main or introduce air into the transmission main during large changes in transmission main flow caused by pump cut off during power outages. Replacement of these valves helps minimize the surge and vacuum experienced by the raw water transmission main piping and extending its useful life. This project would need to be completed in advance of the abandonment of the Highway B Booster Station/Reservoir. As part of this project, the evaluation of the Booster Station site for a SCADA control and equipment storage building will be necessary.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ -	\$ 1,800,000	\$ -	\$ 1,800,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Taylor Street Station Pressure Reducing Valve (PRV) - SCADA Monitoring

Department: Pumping

Project Description & Justification:

The Taylor Street PRV Station is the fire flow and back-up pressure reducing valve for the 7th Street Pressure Zone. This station does NOT currently have SCADA equipment installed. At the same time the PRV is being replaced as part of its maintenance program, there would be an addition of electronic control and flow metering capabilities to the station. The addition of SCADA monitoring to the station would allow for use of this station as a reliable back-up feed for the 7th Street Pressure Zone when the system's largest PRV station, the Ninth Street PRV, is taken down for future preventive maintenance and repairs.

Impact on On-going Operating Costs/Personnel Requirements:

This would be beneficial for system monitoring and reliability with minor additions to operating costs.

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ 40,000	\$ -	\$ -	\$ 40,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Insertion Mag Meters

Department: Treatment

Project Description & Justification:

An evaluation of existing equipment, conditions and replacement options was performed in 2022. The existing finished water vaults will not allow installation of new equipment. New vaults will need to be installed. Replace existing finished water venturi meters with insertion mag meters in 2025. Construction administration and observation are included.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 895,000	\$ -	\$ -	\$ -	\$ -	\$ 895,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

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					
2025	2026	2027	2028	2029	Total
\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Filter Media

Department: Treatment

Project Description & Justification:

We need to add additional filter media in the form of anthracite to each filter. We are estimating approximately 2350 cubic feet. Over time, media is lost from each filter primarily during the filter back wash process. There will also be maintenance work performed on surface wash sweeps (new end caps).

Impact on On-going Operating Costs/Personnel Requirements:

An additional 50 hours of overtime from the operators is included in the cost.

COST ANALYSIS Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 114,000	\$ -	\$ -	\$ -	\$ -	\$ 114,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Fire Suppression System

Department: Filter Plant

Project Description & Justification:

The ozone building Fenwal fire suppression system is 20+ years old, in need of repair and is no longer supported by manufacturer. A new system is needed.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Ozone System and Filter Plant Instrumentation

Department: Filter Plant

Project Description & Justification:

The ozone system and filter plant instrumentation equipment (differential psi, temp. sensors, loss of head, etc..) is in the 20+ year old range and will need to be systematically replaced.

Impact on On-going Operating Costs/Personnel Requirements:

none

COST ANALYSIS Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 45,000	\$ 43,000	\$ 50,000	\$ 50,000	\$ 35,000	\$ 223,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Lab Addition

Department: Treatment

Project Description & Justification:

The upgrade/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					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ -	\$ -	\$ 550,000	\$ 550,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Diesel Generator Replacement

Department: Treatment

Project Description & Justification:

The 650 KW diesel generator at the filter plant that provides backup to the ozone facility is approaching 21 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					
2025	2026	2027	2028	2029	Total
\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 400,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - SIGNIFICANT OPERATING AND MAINTENANCE EXPENSES
2025-2029

Page	Project	Dept.	2025	2026	2027	2028	2029	Total
58	Huron Tank Overcoat*	Pumping	\$ 370,000	\$ -	\$ -	\$ -	\$ -	\$ 370,000
59	Abandon Highway B Booster	Pumping	-	-	-	-	600,000	600,000
60	Quincy Tank Overcoat	Pumping	-	-	300,000	-	-	300,000
61	Well & Booster Station Roof Repairs	Pumping	30,000	200,000	200,000	200,000	200,000	830,000
62	Well & Booster Station HVAC Replacements	Pumping	20,000	25,000	25,000	30,000	90,000	190,000
63	Filter Plant 500,000 Gallon Tank Overcoat*	Treatment	335,000	-	-	-	-	335,000
64	Filter Plant 150,000 Gallon Tank Painting	Treatment	-	-	-	-	500,000	500,000
65	Sludge Lagoon Dredging #2	Treatment	-	-	500,000	-	-	500,000
Total Project Costs			<u>\$ 755,000</u>	<u>\$ 225,000</u>	<u>\$ 1,025,000</u>	<u>\$ 230,000</u>	<u>\$ 1,390,000</u>	<u>\$ 3,625,000</u>
Funding Sources:								
Water User Fees			\$ 50,000	\$ 225,000	\$ 1,025,000	\$ 230,000	\$ 1,390,000	\$ 2,920,000
Revenue Bonds/State Trust Fund Loans*			705,000	-	-	-	-	705,000
Total Funding Sources			<u>\$ 755,000</u>	<u>\$ 225,000</u>	<u>\$ 1,025,000</u>	<u>\$ 230,000</u>	<u>\$ 1,390,000</u>	<u>\$ 3,625,000</u>

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Huron Tank Overcoat

Department: Pumping

Project Description & Justification:

This would include a cleaning and overcoat on the exterior of the Huron Tank as well as the spot cleaning and paint recoating of the dry interior platforms recommended from the most recent tank inspection. A tank overcoat will extend the life of the existing paint system by 30 years. This project would also include any contractor assistance with recommended WDNR code compliance updates and the installation of previously purchased altitude valves.

Impact on On-going Operating Costs/Personnel Requirements:

This project would require a drain down of the tank for approximately 4-6 weeks.

COST ANALYSIS Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 370,000	\$ -	\$ -	\$ -	\$ -	\$ 370,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Abandon Highway B Booster Station

Department: Pumping

Project Description & Justification:

This project is recommended in the Master Plan involving the abandonment and demolition of the Highway B Booster Station, Reservoir and Surge Relief Valves as well as the check valves on the raw water transmission mains. This station is at the end of its useful life and is no longer needed due to the second raw water line being in service. Preceding the abandonment of this station, the projects including the installation of surge relief valves at the Lake Pump Station and installation of combination air valves along the raw water transmission mains will need to be completed.

Impact on On-going Operating Costs/Personnel Requirements:

Lower maintenance costs and streamline pumping operations.

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 600,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Quincy Tank Overcoat

Department: Pumping

Project Description & Justification:

This would include a cleaning and overcoat on the exterior of the Quincy Tank as well as spot cleaning and paint recoating of the dry interior platforms recommended from the most recent tank inspection. A tank overcoat will extend the life of the existing paint system by 30 years. A tank mixer would also be installed to help maintain the interior wet paint system of the storage tank as a mixer helps to lessen ice from forming in the tank, thereby minimizing paint damage. This project would also include any contractor assistance with recommended WDNR code compliance updates.

Impact on On-going Operating Costs/Personnel Requirements:

This project would require a drain down of the tank for approximately 4-6 weeks.

COST ANALYSIS Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Well & Booster Station Roof Replacements

Department: Pumping

Project Description & Justification:

Replace failing well and booster station roofing systems. This would be accomplished over a 5-year period starting with those in poorest condition.

2025 - 9th Street/St. Anthony Booster Stations

2026 - Eastman/Military Wells

2027 - Highland/Cass Wells

2028 - John Street Booster Station & 54/57 Well

2029 - Lake Pumping Station & Mason Street Well

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 30,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 830,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Well & Booster Station HVAC Replacements

Department: Pumping

Project Description & Justification:

Many of the current HVAC systems are nearly 30 years old and failing. Upgrading to newer systems will help with equipment downtime and overall maintenance costs. Installing newer, high efficiency units will save us money over time. We plan to replace a few per year over multiple years starting with those in the poorest condition.

2025 - Bond & Highland Well

2026 - Eastman & 7th Street Well

2027 - 9th Street Booster (2 units)

2028 - Grandview Booster (3 units)

2029 - Adams Street Warehouse and Vehicle Storage Building (7 units)

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ 20,000	\$ 25,000	\$ 25,000	\$ 30,000	\$ 90,000	\$ 190,000

GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES
PROJECT REQUEST FOR 2025 - 2029

Project Title: Filter Plant 500,000 Gallon Tank Overcoat

Department: Treatment

Project Description & Justification:

The 500,000 gallon elevated tank at the filter plant will need to be overcoated. The tank was constructed in 2006 and has not been painted since. Overcoating the tank should extend the life of the existing paint 10 to 15 years. Construction administration and observation included.

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					
2025	2026	2027	2028	2029	Total
\$ 335,000	\$ -	\$ -	\$ -	\$ -	\$ 335,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Tank Painting - 150,000 Gallon

Department: Treatment

Project Description & Justification:

The 150,000 gallon elevated tank at the filter plant needs to sand blasted and painted. Costs for this project are expected to be higher than other tanks due to the style and accessibility of this tank.

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					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Sludge Lagoon #2 (North Lagoon) Dredging

Department: Treatment

Project Description & Justification:

Sludge lagoon #2 will be dredged and the solids land applied. Solids from the treatment process are drained from settling tanks to the lagoon every spring and fall. The solids accumulate in the lagoon and it must be dredged so more solids can be added. This is a project that happens every 5 to 7 years per lagoon.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000

**GREEN BAY WATER UTILITY
CAPITAL IMPROVEMENT PLAN - OPERATING AND MAINTENANCE EXPENSES
PROJECT REQUEST FOR 2025 - 2029**

Project Title: Sludge Lagoon #2 (North Lagoon) Dredging

Department: Treatment

Project Description & Justification:

Sludge lagoon #2 will be dredged and the solids land applied. Solids from the treatment process are drained from settling tanks to the lagoon every spring and fall. The solids accumulate in the lagoon and it must be dredged so more solids can be added. This is a project that happens every 5 to 7 years per lagoon.

Impact on On-going Operating Costs/Personnel Requirements:

N/A

COST ANALYSIS					
Estimated Cash Summary					
2025	2026	2027	2028	2029	Total
\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000



Green Bay Water Commission **GENERAL MANAGER UPDATE**

DATE: November 11th, 2024
TO: Green Bay Water Commission
FROM: Brian Powell, P.E., General Manager, Green Bay Water
RE: General Manager Update

General Manager Brian Powell will provide the commission with updates on the following initiatives within our organization:

1. Elizabeth Wheat Stepping Down off Commission
2. Private Side Lead Service Line Funding
3. Filter Plant Reservoir Drain Down Inspections
4. Chlorine Improvements at Lake Station Project Bid Opening November 19th
5. Lake Station Generator & Filter Plant Finished Mag Meter Projects Bid Opening December 10th
6. Possible December 16th Commission Meeting
7. Workforce Report
 - a. Distribution Maintenance Manager has been Posted