



AGENDA OF THE WATER COMMISSION

MONDAY, SEPTEMBER 14, 2026, 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.

1. Join Zoom Meeting Online:

<https://us06web.zoom.us/j/81381235847?pwd=PtRLZkZESMeerkIRwerVuWNP6dcwV.I>

Or call in by phone: +1 312 626 6799

Meeting ID: 813 8123 5847

Passcode: 542370

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

B. Roll Call.

1. Members: John Heugel, Jamie Wall, Jacque Boyle, Thomas Karman, Allen Farvour, Lynn Gerlach, Alder William Morgan, John Luczaj

C. Approval of the Agenda.

1. Approval of the agenda for the Monday, September 14, 2026, meeting of the Water Utility Commission.

D. Approval of Minutes.

1. Approval of the minutes from the August 10, 2026 meeting.

E. Regular Business.

1. Project Acceptance and Final Payment of the Green Bay Water Utility Tank Overcoat.
2. Project Acceptance and Final Payment of the 2025 - 36" Water Main Pipe Replacements.

3. July and August 2026 Financial Report

F. Informational.

1. General Manager Update

G. Adjournment.

1. Adjournment of the Monday, September 14, 2026, meeting of the Water Utility Commission.

- 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, AUGUST 10, 2026, 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 leave a comment for this public meeting, please fill out the online [Comment Form](#) prior to the meeting. More detailed [Zoom Instructions](#) can be found online.

B. ROLL CALL.

- I. Members: John Heugel, Jamie Wall, Jacque Boyle, Thomas Karman, Allen Farvour, Lynn Gerlach, Alder William Morgan, John Luczaj

Voting: John Heugel, Thomas Karman, Allen Farvour, Lynn Gerlach, John Luczaj

Not Voting: William Morgan

Excused: Jamie Wall, Jacque Boyle

C. APPROVAL OF THE AGENDA.

- I. Approval of the agenda for the Monday, August 10, 2026, meeting of the Water Utility

Commission.

Moved by John Luczaj, seconded by Allen Farvour to approve the agenda.

Motion Passed.

Yes-John Heugel, Thomas Karman, Allen Farvour, Lynn Gerlach, John Luczaj, No-None, Abstain-None.

D. APPROVAL OF MINUTES.

1. Approval of the minutes from the July 13, 2026 meeting.

Moved by Thomas Karman, seconded by Lynn Gerlach to approve the minutes.

Motion Passed.

Yes-John Heugel, Thomas Karman, Allen Farvour, Lynn Gerlach, John Luczaj, No-None, Abstain-None.

E. REGULAR BUSINESS.

1. Approval of the Updates to the Employee Handbook, Chapter 19, Section 6 - Funeral Leave and Section 12 - Personal Leave Days.

Moved by Lynn Gerlach, seconded by Allen Farvour to accept and approve the recommended updates.

Motion Passed.

Yes-John Heugel, Thomas Karman, Allen Farvour, Lynn Gerlach, John Luczaj, No-None, Abstain-None.

2. Approval of the Updates to the Employee Handbook, Chapter 19, Section 11 - Vacation.

Moved by John Luczaj, seconded by Thomas Karman to accept and approve the updates.

Motion Passed.

Yes-John Heugel, Thomas Karman, Allen Farvour, Lynn Gerlach, John Luczaj, No-None, Abstain-None.

3. Approval of the Updates to the Employee Handbook, Chapter 19, Section 13 - Paid Volunteer Time Off.

Moved by John Luczaj, seconded by Lynn Gerlach to accept and approve the updates.

Motion Passed.

Yes-John Heugel, Thomas Karman, Allen Farvour, Lynn Gerlach, John Luczaj, No-None, Abstain-None.

4. June 2026 Financial Report

Moved by Thomas Karman, seconded by Lynn Gerlach to accept as presented.

Motion Passed.

Yes-John Heugel, Thomas Karman, Allen Farvour, Lynn Gerlach, John Luczaj, No-None,
Abstain-None.

F. INFORMATIONAL.

I. General Manager Update

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

1. Update on Village of Pulaski
2. Cyberattacks on Water Systems
3. Water Quality Roundtable
4. Workforce Report
 - a. Filter Plant Operator

G. ADJOURNMENT.

I. Adjournment of the Monday, August 10, 2026, meeting of the Water Utility Commission.

Moved by Allen Farvour, seconded by John Luczaj to adjourn.

Motion Passed.

Yes-John Heugel, Thomas Karman, Allen Farvour, Lynn Gerlach, John Luczaj, No-None,
Abstain-None.



Green Bay Water

MEMORANDUM

DATE: September 14, 2026
TO: Green Bay Water Commission
FROM: Kristin Romanowicz, P.E., Engineering Services Supervisor
RE: Project Acceptance and Final Payment
Green Bay Water Utility Tank Overcoat

We request Green Bay Water Commission's acceptance of the work completed under the contract titled "Green Bay Water Utility Tank Overcoat." The work under this contract consisted of renewing the exterior and interior coating systems and repairing other components in the elevated water storage tanks on Huron Road and at our Filter Plant.

In accordance with the terms of the contract, we also request the Commission's approval of the associated final payment of \$41,655.00 to E&L Contractors Inc. The total contractor payments for this project amount to \$277,900.00.



Green Bay Water

MEMORANDUM

DATE: September 14, 2026
TO: Green Bay Water Commission
FROM: Kristin Romanowicz, P.E., Engineering Services Supervisor
RE: Project Acceptance and Final Payment
2025 - 36" Water Main Pipe Replacements

We request Green Bay Water Commission's acceptance of the work completed under the contract titled "2025 - 36" Water Main Pipe Replacements." The work under this contract consisted of replacing and repairing 36" diameter prestressed concrete cylinder pipe at locations identified in a pipeline condition assessment.

In accordance with the terms of the contract, we also request the Commission's approval of the associated final payment of \$18,317.63 to DeGroot, Inc. The total contractor payments for this project amount to \$708,711.15.

GREEN BAY WATER
CASH POSITION
July 31, 2025 & 2026

	<u>7/31/2025</u>	<u>7/31/2026</u>
UNRESTRICTED CURRENT ASSETS		
Cash & Investments - Operation & Maintenance		
Local Govt. Investment Pool	\$ 119,936	\$ 124,670
Associated Bank Checking	11,525,722	13,198,327
Working Cash Funds - Petty Cash	1,700	1,700
Total Cash & Investments - Operation & Maintenance	<u>11,647,358</u>	<u>13,324,697</u>
RESTRICTED CURRENT ASSETS		
Cash & Investments - Restricted		
Local Govt. Investment Pool - Construction Fund	-	7,048,761
Local Govt. Investment Pool - Bond Redemption	-	1,817,213
Certificates of Deposit - Bond Redemption	3,210,000	-
Associated Bank Money Market Account - Bond Redemption	2,417	506,925
Associated Bank Checking - Private Service Replacement	29,084	142,647
Total Cash & Investments - Restricted	<u>3,241,501</u>	<u>9,515,546</u>
RESTRICTED LONG-TERM ASSETS		
Cash & Investments - Debt Reserve		
Associated Trust Money Market	1,731,713	434,290
Associated Trust Municipal Bonds	4,709,948	7,554,233
Total Cash & Investments - Debt Reserve	<u>6,441,661</u>	<u>7,988,523</u>
 TOTAL CASH POSITION	 <u>\$ 21,330,520</u>	 <u>\$ 30,828,766</u>

GREEN BAY WATER**BALANCE SHEET**

July 31, 2025 & 2026

	<u>7/31/2025</u>	<u>7/31/2026</u>
ASSETS		
Current Assets		
Unrestricted Current Assets		
Cash & Investments - Operating & Maintenance	\$ 11,647,358	\$ 13,324,697
Accounts Receivable - Customer Accounts	12,923,245	14,542,614
Accounts Receivable - Leases	63,938	67,551
Inventories	874,120	875,335
Prepaid Items	72,839	110,831
Total Unrestricted Current Assets	<u>25,581,500</u>	<u>28,921,028</u>
Restricted Current Assets		
Cash & Investments - Bond Redemption Fund	3,212,417	2,324,138
Interest Receivable	26,344	0
Cash & Investments - Private Service Replacement Fund	29,084	142,647
Accounts Receivable - Grants	12,600	34,640
Total Restricted Current Assets	<u>3,280,445</u>	<u>2,501,425</u>
Total Current Assets	<u>28,861,945</u>	<u>31,422,453</u>
Noncurrent Assets		
Restricted Assets		
Cash & Investments - Debt Reserve Fund	6,441,661	7,988,523
Cash & Investments - Construction Fund	-	7,048,761
Accrued Interest	44,277	73,159
Total Restricted Assets	<u>6,485,938</u>	<u>15,110,443</u>
Other Assets		
Unamortized Ashwaubenon Booster	777,765	646,312
Unamortized Wrightstown Grant	329,688	298,038
Unarmortized Pulaski Grant	-	1,224,708
Long-term Receivable - Leases	2,556,578	2,489,012
Total Other Assets	<u>3,664,031</u>	<u>4,658,070</u>
Capital Assets		
Property, Plant & Equipment	267,693,468	278,000,712
Less: Accumulated Depreciation	<u>(116,925,712)</u>	<u>(122,961,016)</u>
Net Property, Plant & Equipment	150,767,756	155,039,696
Construction in Progress	1,227,384	7,454,950
Total Capital Assets	<u>151,995,140</u>	<u>162,494,646</u>
Total Noncurrent Assets	<u>162,145,109</u>	<u>182,263,161</u>
TOTAL ASSETS	<u>191,007,054</u>	<u>213,685,613</u>
DEFERRED OUTFLOWS OF RESOURCES		
Unamortized Loss on Advanced Refunding	125,752	-
Deferred Outflows - Pension	6,829,962	2,428,842
Total Deferred Outflows of Resources	<u>6,955,714</u>	<u>2,428,842</u>

GREEN BAY WATER**BALANCE SHEET**

July 31, 2025 & 2026

	<u>7/31/2025</u>	<u>7/31/2026</u>
LIABILITIES		
Current Liabilities		
Accounts Payable	\$ 197,175	\$ 32,345
Sewer Collections Payable	7,354,445	8,097,433
Storm Water Collections Payable	3,614,808	4,117,013
Accrued Payroll Taxes	138,626	80,596
Accrued Payroll, Vacation & Sick Leave Pay	577,058	604,138
Accrued Taxes	1,331,047	1,333,503
Payable from Restricted Assets		
Current Portion of Long - Term Debt	3,910,000	4,465,000
Accrued Interest	292,906	479,656
Total Current Liabilities	<u>17,416,064</u>	<u>19,209,684</u>
Long - term Obligations, Less Current Portion		
Revenue Bonds - Net of Premiums & Discounts	28,715,579	42,767,060
Accrued Vacation & Sick Leave Pay	272,235	176,019
Net Pension Liability	389,100	413,482
Total Long-term Liabilities	<u>29,376,914</u>	<u>43,356,561</u>
TOTAL LIABILITIES	<u>46,792,978</u>	<u>62,566,245</u>
DEFERRED INFLOWS OF RESOURCES		
Deferred Inflows - Pension	5,487,167	1,220,192
Deferred Inflows - Leases	2,620,516	2,556,563
DEFERRED INFLOWS OF RESOURCES	<u>8,107,683</u>	<u>3,776,755</u>
NET POSITION		
Contributed Capital - City of Green Bay	744,232	780,140
Net Investment in Capital Assets	119,495,313	115,262,587
Restricted	9,473,477	17,132,212
Unrestricted	13,349,083	16,596,516
TOTAL NET POSITION	<u>\$ 143,062,105</u>	<u>\$ 149,771,455</u>

GREEN BAY WATER

Statement of Revenues, Expenses and Changes in Net Position Month Ended July 31, 2025 & 2026

	7/31/2025	7/31/2026
OPERATING REVENUES		
Charges for services	\$ 15,403,749	\$ 15,865,087
Other	1,273,066	1,141,928
Total operating revenues	16,676,815	17,007,015
OPERATING EXPENSES		
Operation and maintenance	7,021,603	7,656,893
Depreciation	3,255,994	3,613,929
Total operating expenses	10,277,597	11,270,821
Operating income	6,399,218	5,736,194
NONOPERATING REVENUES (EXPENSES)		
Interest income	515,466	642,728
Grant revenue	12,600	156,757
Grant expense	(12,600)	(156,757)
Miscellaneous income	260,448	141,996
Interest and fiscal charges	(683,448)	(1,105,646)
Amortization of debt premium net of discounts	343,986	328,945
Amortization of loss on advance refundings	(105,421)	(1,205)
Total nonoperating revenues (expenses)	331,031	6,818
Income before contributions and transfers	6,730,249	5,743,012
Capital contributions	14,243	17,767
Transfers out - tax equivalent	(1,569,567)	(1,526,825)
Change in net position	5,174,925	4,233,954
Net position - January 1	137,887,180	145,537,501
Net position - July 31	\$ 143,062,105	\$ 149,771,455

GREEN BAY WATER

JULY 2026 REVENUE BUDGET REPORT

FOR 2026 07								
	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED	
610 WATER UTILITY								
415000 MERCH & JOBBING REV	361,000	0	361,000	141,996.00	.00	219,004.00	39.3%	
419900 INT INCOME-OPER FUND	400,000	0	400,000	319,538.49	.00	80,461.51	79.9%	
419904 INT INC-CONST FUND	100,000	0	100,000	192,727.78	.00	-92,727.78	192.7%	
419911 INT INC-BOND REDEMPTION	60,000	0	60,000	-1,403.61	.00	61,403.61	-2.3%	
419920 INT INC-DEBT RESERVE	200,000	0	200,000	195,691.36	.00	4,308.64	97.8%	
419925 UNREALIZED GAIN/LOSS DEBT RE	50,000	0	50,000	-63,868.87	.00	113,868.87	-127.7%	
419950 INT INC - LEASES	50,943	0	50,943	.00	.00	50,943.00	.0%	
420000 GRANT REVENUE	272,500	0	272,500	156,756.88	.00	115,743.12	57.5%	
421000 MISC NON-OPERATING INC	257,082	0	257,082	17,766.53	.00	239,315.47	6.9%	
429440 AMORT PREM-GB-2004	124,305	0	124,305	.00	.00	124,305.00	.0%	
429443 AMORT PREM ASH-2004	12,625	0	12,625	.00	.00	12,625.00	.0%	
429460 AMORT PREM-GB-2014	82,167	0	82,167	45,632.37	.00	36,534.63	55.5%	
429463 AMORT PREM-ASH-2014	8,345	0	8,345	4,634.63	.00	3,710.37	55.5%	
429470 AMORT PREM-GB-2019	313,470	0	313,470	186,306.68	.00	127,163.32	59.4%	
429473 AMORT PREM-ASH-2019	31,837	0	31,837	18,922.12	.00	12,914.88	59.4%	
429480 AMORT PREM-GB-2021	16,940	0	16,940	15,391.18	.00	1,548.82	90.9%	
429481 AMORT PREM-GB-2025	49,765	0	49,765	58,058.21	.00	-8,293.21	116.7%	
461508 METERED RESIDENTIAL	6,300,000	0	6,300,000	3,633,593.81	.00	2,666,406.19	57.7%	
461558 METERED COMMERCIAL	2,450,000	0	2,450,000	1,373,276.74	.00	1,076,723.26	56.1%	
461608 METERED INDUSTRIAL	7,500,000	0	7,500,000	4,197,684.53	.00	3,302,315.47	56.0%	
461658 METERED APARTMENT < 3 UNITS	2,850,000	0	2,850,000	1,627,753.54	.00	1,222,246.46	57.1%	
461708 METERED MULTI FAMILY	1,800,000	0	1,800,000	1,011,356.76	.00	788,643.24	56.2%	
461758 METERED RESTAURANT	215,000	0	215,000	113,788.89	.00	101,211.11	52.9%	
461808 METERED MUNICIPAL	530,000	0	530,000	284,388.83	.00	245,611.17	53.7%	
462000 PRIVATE FIRELINES	225,000	0	225,000	169,815.12	.00	55,184.88	75.5%	
463000 PUBLIC FIRE PROTECTION	1,650,000	0	1,650,000	963,906.32	.00	686,093.68	58.4%	
466003 SALES FOR RESALE-ASH	3,550,000	0	3,550,000	1,970,167.09	.00	1,579,832.91	55.5%	
466004 SALES FOR RESALE-SCOTT	84,000	0	84,000	50,522.81	.00	33,477.19	60.1%	
466005 SALES FOR RESALE-HOBART	455,000	0	455,000	271,747.80	.00	183,252.20	59.7%	
466006 SALES FOR RESALE-WRIGHTSTOWN	236,000	0	236,000	197,085.17	.00	38,914.83	83.5%	
470000 LATE PAYMENT PENALTIES	145,000	0	145,000	53,086.91	.00	91,913.09	36.6%	
471000 TURN ON & SET REVENUE	100,000	0	100,000	51,870.00	.00	48,130.00	51.9%	
472000 RENT-CELL TOWERS	66,409	0	66,409	66,732.18	.00	-323.18	100.5%	
472010 RENT-ADDITIONAL METERS	24,000	0	24,000	11,552.94	.00	12,447.06	48.1%	
472020 RENT - LAND	2,437	0	2,437	2,437.50	.00	-.50	100.0%	
474000 OTHER WATER REVENUE-MISC	1,918	0	1,918	1,147.50	.00	770.50	59.8%	
474010 RETURN ON METER INVEST	106,000	0	106,000	.00	.00	106,000.00	.0%	
474020 REBATES	35,000	0	35,000	16,561.57	.00	18,438.43	47.3%	
474030 PRIVATE WELL PERMITS	100	0	100	200.00	.00	-100.00	200.0%	
474040 SALE OF SCRAP	15,000	0	15,000	9,959.40	.00	5,040.60	66.4%	

GREEN BAY WATER

JULY 2026 REVENUE BUDGET REPORT

FOR 2026 07							
	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
474050 TITLE COMPANY LETTERS	2,000	0	2,000	580.00	.00	1,420.00	29.0%
474060 THAW SERVICE	500	0	500	.00	.00	500.00	.0%
474070 MISSED APPOINTMENT CHARGE	500	0	500	300.00	.00	200.00	60.0%
476000 SEWER REIMB FROM CITY	1,200,000	0	1,200,000	656,250.00	.00	543,750.00	54.7%
476100 STORM REIMB FROM CITY	480,000	0	480,000	271,250.00	.00	208,750.00	56.5%
TOTAL WATER UTILITY	32,414,843	0	32,414,843	18,295,165.16	.00	14,119,677.84	56.4%
GRAND TOTAL	32,414,843	0	32,414,843	18,295,165.16	.00	14,119,677.84	56.4%

GREEN BAY WATER

JULY 2026 EXPENSE BUDGET REPORT

FOR 2026 07							
	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
1630 STORES EXPENSE	99,584	0	99,584	53,412.00	.00	46,172.00	53.6%
1840 CLEARING ACCOUNTS	568,703	0	568,703	-232,340.67	.00	801,043.67	-40.9%
4030 DEPRECIATION EXPENSE	5,867,113	0	5,867,113	3,613,928.50	.00	2,253,184.50	61.6%
4050 AMORTIZATION OF OTHER PLANT	131,453	0	131,453	76,681.08	.00	54,771.92	58.3%
4080 TAXES	2,814,326	0	2,814,326	1,526,824.79	.00	1,287,501.21	54.3%
4160 MERCHANDISING & JOBBING EXP	240,473	0	240,473	142,958.77	.00	97,514.23	59.4%
4260 OTHER INCOME DEDUCTIONS	464,321	0	464,321	.00	.00	464,321.00	.0%
4270 INTEREST ON LONG-TERM DEBT	2,107,287	0	2,107,287	1,105,645.87	.00	1,001,641.13	52.5%
4280 AMORTIZATION OF DEBT DISCOUNT	180,723	0	180,723	1,204.70	.00	179,518.30	.7%
6020 PURCHASED WATER	10,000	0	10,000	4,559.83	.00	5,440.17	45.6%
6130 MAINTENANCE OF INTAKES	620,500	76,200	696,700	645,365.83	12,145.95	39,188.22	94.4%
6160 MAINTENANCE OF SUPPLY MAINS	144,702	0	144,702	28,143.66	.00	116,558.34	19.4%
6200 PUMP OPS SUPERVISION & ENG	111,653	0	111,653	77,357.34	.00	34,295.66	69.3%
6230 FUEL OR POWER FOR PUMPING	1,033,000	0	1,033,000	514,589.98	.00	518,410.02	49.8%
6240 PUMP LABOR & EXPENSES	47,852	0	47,852	18,907.38	.00	28,944.62	39.5%
6260 MISC PUMPING EXPENSE	101,491	0	101,491	50,002.33	.00	51,488.67	49.3%
6300 PUMP MAINT SUPERVISION & ENG	39,105	0	39,105	8,936.83	.00	30,168.17	22.9%
6310 PUMP MAINT OF STRUCTURES	401,065	0	401,065	76,561.88	.00	324,503.12	19.1%
6320 PUMP MAINT OF POWER PROD EQUIP	76,500	0	76,500	45,076.82	.00	31,423.18	58.9%
6330 MAINT OF PUMPING EQUIP	772,551	1,100	773,651	201,248.08	6,831.60	565,571.32	26.9%
6400 TREATMENT OPS SUPERVIS & ENG	94,521	0	94,521	34,738.02	.00	59,782.98	36.8%
6410 CHEMICALS	622,500	0	622,500	359,406.68	.00	263,093.32	57.7%
6420 WATER TREATMENT OPERATIONS EXP	860,194	0	860,194	416,165.35	.00	444,028.65	48.4%
6430 MISC WATER TREATMENT EXP	175,966	0	175,966	102,745.10	487.98	72,732.92	58.7%
6500 TREATMENT MAINT SUPERVIS & ENG	42,884	0	42,884	32,505.69	.00	10,378.31	75.8%
6510 TREATMENT MAINT OF STRUCTURES	44,152	0	44,152	24,048.70	.00	20,103.30	54.5%
6520 MAINT OF TREATMENT EQUIP	239,281	12,913	252,194	160,247.03	6,246.00	85,700.97	66.0%
6600 TRANS & DIST OPS SUP & ENG	317,547	0	317,547	173,081.95	.00	144,465.05	54.5%
6620 TRANS & DIST LINES EXPENSE	254,941	0	254,941	171,939.22	.00	83,001.78	67.4%
6630 METER EXPENSE	277,278	0	277,278	151,181.18	.00	126,096.82	54.5%
6640 CUSTOMER INSTALLATION EXP	397,792	0	397,792	328,102.39	.00	69,689.61	82.5%
6650 MISC TRANS & DIST EXPENSES	555,159	0	555,159	412,856.83	.00	142,302.17	74.4%
6720 MAINT OF DIST RES & STANDPIPES	53,749	0	53,749	6,504.22	.00	47,244.78	12.1%
6730 MAINT OF TRANS & DIST MAINS	1,492,886	0	1,492,886	801,942.88	21,310.00	669,633.12	55.1%
6750 MAINT OF SERVICES	687,387	0	687,387	286,311.90	.00	401,075.10	41.7%
6760 MAINT OF METERS	54,750	0	54,750	35,296.25	.00	19,453.75	64.5%
6770 MAINT OF HYDRANTS	289,083	0	289,083	188,476.74	.00	100,606.26	65.2%
9020 METER READING EXPENSE	77,112	0	77,112	66,310.31	.00	10,801.69	86.0%
9030 CUSTOMER RECORDS & COLLECTION	1,068,983	0	1,068,983	687,345.18	.00	381,637.82	64.3%
9040 UNCOLLECTIBLE ACCOUNTS	10,000	0	10,000	4,422.09	.00	5,577.91	44.2%
9060 CUSTOMER SERVICE & INFORMATION	84,117	0	84,117	52,780.00	.00	31,337.00	62.7%
9200 ADMIN & GENERAL SALARIES	868,159	0	868,159	502,171.53	.00	365,987.47	57.8%
9210 OFFICE SUPPLIES & EXPENSES	93,045	0	93,045	57,638.77	682.00	34,724.23	62.7%
9230 OUTSIDE SERVICES EMPLOYED	632,763	0	632,763	83,143.67	.00	549,619.33	13.1%

GREEN BAY WATER

JULY 2026 EXPENSE BUDGET REPORT

FOR 2026 07

9240	PROPERTY INSURANCE	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
9240	PROPERTY INSURANCE	132,742	0	132,742	.00	.00	132,742.00	.0%
9250	INJURIES & DAMAGES	52,240	0	52,240	22,339.35	.00	29,900.65	42.8%
9260	EMPLOYEE PENSIONS & BENEFITS	1,377,605	0	1,377,605	735,460.96	.00	642,144.04	53.4%
9280	REGULATORY COMMISSION EXP	0	0	0	2,281.04	.00	-2,281.04	100.0%
9300	MISC GENERAL EXPENSES	55,610	0	55,610	51,963.22	.00	3,646.78	93.4%
9320	MAINT OF GENERAL PLANT	310,745	675	311,420	150,782.35	12,431.50	148,206.15	52.4%
GRAND TOTAL		27,055,593	90,888	27,146,481	14,061,253.60	60,135.03	13,025,092.37	52.0%

GREEN BAY WATER
CASH POSITION
August 31, 2025 & 2026

	8/31/2025	8/31/2026
UNRESTRICTED CURRENT ASSETS		
Cash & Investments - Operation & Maintenance		
Local Govt. Investment Pool	\$ 120,380	\$ 125,061
Associated Bank Checking	10,798,006	12,544,535
Working Cash Funds - Petty Cash	1,700	1,700
Total Cash & Investments - Operation & Maintenance	<u>10,920,086</u>	<u>12,671,296</u>
RESTRICTED CURRENT ASSETS		
Cash & Investments - Restricted		
Local Govt. Investment Pool - Construction Fund	17,086,284	6,244,856
Local Govt. Investment Pool - Bond Redemption	-	3,624,834
Certificates of Deposit - Bond Redemption	3,630,000	-
Associated Bank Money Market Account - Bond Redemption	2,418	506,968
Associated Bank Checking - Private Service Replacement	29,084	100,147
Total Cash & Investments - Restricted	<u>20,747,786</u>	<u>10,476,804</u>
RESTRICTED LONG-TERM ASSETS		
Cash & Investments - Debt Reserve		
Associated Trust Money Market	2,586,845	715,738
Associated Trust Municipal Bonds	4,233,046	7,301,769
Total Cash & Investments - Debt Reserve	<u>6,819,891</u>	<u>8,017,507</u>
 TOTAL CASH POSITION	 <u>\$ 38,487,763</u>	 <u>\$ 31,165,607</u>

GREEN BAY WATER
BALANCE SHEET
August 31, 2025 & 2026

	<u>8/31/2025</u>	<u>8/31/2026</u>
ASSETS		
Current Assets		
Unrestricted Current Assets		
Cash & Investments - Operating & Maintenance	\$ 10,920,086	\$ 12,671,296
Accounts Receivable - Customer Accounts	15,047,607	15,101,261
Accounts Receivable - Leases	63,938	67,551
Inventories	844,545	868,798
Prepaid Items	70,076	116,443
Total Unrestricted Current Assets	<u>26,946,252</u>	<u>28,825,349</u>
Restricted Current Assets		
Cash & Investments - Bond Redemption Fund	3,632,418	4,131,802
Interest Receivable	34,690	0
Cash & Investments - Private Service Replacement Fund	29,084	100,147
Accounts Receivable - Grants	12,600	77,140
Total Restricted Current Assets	<u>3,708,792</u>	<u>4,309,089</u>
Total Current Assets	<u>30,655,044</u>	<u>33,134,437</u>
Noncurrent Assets		
Restricted Assets		
Cash & Investments - Debt Reserve Fund	7,819,890	8,017,507
Cash & Investments - Construction Fund	17,086,285	6,244,856
Accrued Interest	39,170	65,487
Total Restricted Assets	<u>24,945,345</u>	<u>14,327,850</u>
Other Assets		
Unamortized Ashwaubenon Booster	766,811	635,358
Unamortized Wrightstown Grant	327,050	295,400
Unarmortized Pulaski Grant	-	1,219,167
Long-term Receivable - Leases	2,556,578	2,489,012
Total Other Assets	<u>3,650,439</u>	<u>4,638,937</u>
Capital Assets		
Property, Plant & Equipment	269,028,932	278,440,882
Less: Accumulated Depreciation	<u>(117,391,035)</u>	<u>(123,477,474)</u>
Net Property, Plant & Equipment	151,637,897	154,963,408
Construction in Progress	1,325,738	7,581,739
Total Capital Assets	<u>152,963,635</u>	<u>162,545,147</u>
Total Noncurrent Assets	<u>181,559,420</u>	<u>181,511,935</u>
TOTAL ASSETS	<u>212,214,464</u>	<u>214,646,372</u>
DEFERRED OUTFLOWS OF RESOURCES		
Unamortized Loss on Advanced Refunding	123,286	-
Deferred Outflows - Pension	6,829,962	2,428,842
Total Deferred Outflows of Resources	<u>6,953,248</u>	<u>2,428,842</u>

GREEN BAY WATER
BALANCE SHEET
August 31, 2025 & 2026

	<u>8/31/2025</u>	<u>8/31/2026</u>
LIABILITIES		
Current Liabilities		
Accounts Payable	\$ 124,935	\$ 1,970
Sewer Collections Payable	7,829,166	8,055,723
Storm Water Collections Payable	3,692,064	3,979,420
Accrued Payroll Taxes	139,615	65,729
Accrued Payroll, Vacation & Sick Leave Pay	576,691	604,138
Accrued Taxes	1,521,196	1,524,003
Payable from Restricted Assets		
Current Portion of Long - Term Debt	3,910,000	4,465,000
Accrued Interest	463,554	639,541
Total Current Liabilities	<u>18,257,221</u>	<u>19,335,525</u>
 Long - term Obligations, Less Current Portion		
Revenue Bonds - Net of Premiums & Discounts	48,206,061	42,720,240
Accrued Vacation & Sick Leave Pay	272,235	176,019
Net Pension Liability	389,100	413,482
Total Long-term Liabilities	<u>48,867,396</u>	<u>43,309,741</u>
 TOTAL LIABILITIES	 <u>67,124,617</u>	 <u>62,645,266</u>
 DEFERRED INFLOWS OF RESOURCES		
Deferred Inflows - Pension	5,487,167	1,220,192
Deferred Inflows - Leases	2,620,516	2,556,563
	<u>8,107,683</u>	<u>3,776,755</u>
 DEFERRED INFLOWS OF RESOURCES		
 NET POSITION		
Contributed Capital - City of Green Bay	744,232	780,140
Net Investment in Capital Assets	100,970,862	115,359,908
Restricted	28,190,583	17,997,397
Unrestricted	14,029,734	16,515,747
	<u>143,935,411</u>	<u>150,653,193</u>
 TOTAL NET POSITION	 <u>\$ 143,935,411</u>	 <u>\$ 150,653,193</u>

GREEN BAY WATER

Statement of Revenues, Expenses and Changes in Net Position Month Ended August 31, 2025 & 2026

	8/31/2025	8/31/2026
OPERATING REVENUES		
Charges for services	\$ 18,208,826	\$ 18,273,057
Other	1,425,383	1,309,049
Total operating revenues	19,634,209	19,582,106
OPERATING EXPENSES		
Operation and maintenance	8,221,099	8,618,167
Depreciation	3,721,136	4,130,204
Total operating expenses	11,942,235	12,748,371
Operating income	7,691,974	6,833,734
NONOPERATING REVENUES (EXPENSES)		
Interest income	650,459	736,661
Grant revenue	12,600	199,257
Grant expense	(12,600)	(199,257)
Miscellaneous income	300,596	165,421
Interest and fiscal charges	(1,101,029)	(1,265,531)
Amortization of debt premium net of discounts	397,309	375,937
Amortization of loss on advance refundings	(120,482)	(1,377)
Total nonoperating revenues (expenses)	126,853	11,110
Income before contributions and transfers	7,818,827	6,844,845
Capital contributions	18,302	17,767
Transfers out - tax equivalent	(1,788,898)	(1,746,919)
Change in net position	6,048,231	5,115,692
Net position - January 1	137,887,180	145,537,501
Net position - August 31	\$ 143,935,411	\$ 150,653,193

GREEN BAY WATER

AUGUST 2026 REVENUE BUDGET REPORT

FOR 2026 08

	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
610 WATER UTILITY							
415000 MERCH & JOBBING REV	361,000	0	361,000	165,421.00	.00	195,579.00	45.8%
419900 INT INCOME-OPER FUND	400,000	0	400,000	370,649.75	.00	29,350.25	92.7%
419904 INT INC-CONST FUND	100,000	0	100,000	214,194.67	.00	-114,194.67	214.2%
419911 INT INC-BOND REDEMPTION	60,000	0	60,000	-1,360.56	.00	61,360.56	-2.3%
419920 INT INC-DEBT RESERVE	200,000	0	200,000	219,467.29	.00	-19,467.29	109.7%
419925 UNREALIZED GAIN/LOSS DEBT RE	50,000	0	50,000	-66,332.32	.00	116,332.32	-132.7%
419950 INT INC - LEASES	50,943	0	50,943	.00	.00	50,943.00	.0%
420000 GRANT REVENUE	272,500	0	272,500	199,256.88	.00	73,243.12	73.1%
421000 MISC NON-OPERATING INC	257,082	0	257,082	17,766.53	.00	239,315.47	6.9%
429440 AMORT PREM-GB-2004	124,305	0	124,305	.00	.00	124,305.00	.0%
429443 AMORT PREM ASH-2004	12,625	0	12,625	.00	.00	12,625.00	.0%
429460 AMORT PREM-GB-2014	82,167	0	82,167	52,151.28	.00	30,015.72	63.5%
429463 AMORT PREM-ASH-2014	8,345	0	8,345	5,296.72	.00	3,048.28	63.5%
429470 AMORT PREM-GB-2019	313,470	0	313,470	212,921.92	.00	100,548.08	67.9%
429473 AMORT PREM-ASH-2019	31,837	0	31,837	21,625.28	.00	10,211.72	67.9%
429480 AMORT PREM-GB-2021	16,940	0	16,940	17,589.92	.00	-649.92	103.8%
429481 AMORT PREM-GB-2025	49,765	0	49,765	66,352.24	.00	-16,587.24	133.3%
461508 METERED RESIDENTIAL	6,300,000	0	6,300,000	4,086,969.56	.00	2,213,030.44	64.9%
461558 METERED COMMERCIAL	2,450,000	0	2,450,000	1,623,760.62	.00	826,239.38	66.3%
461608 METERED INDUSTRIAL	7,500,000	0	7,500,000	4,940,720.97	.00	2,559,279.03	65.9%
461658 METERED APARTMENT < 3 UNITS	2,850,000	0	2,850,000	1,853,500.64	.00	996,499.36	65.0%
461708 METERED MULTI FAMILY	1,800,000	0	1,800,000	1,177,117.09	.00	622,882.91	65.4%
461758 METERED RESTAURANT	215,000	0	215,000	132,616.73	.00	82,383.27	61.7%
461808 METERED MUNICIPAL	530,000	0	530,000	323,019.66	.00	206,980.34	60.9%
462000 PRIVATE FIRELINES	225,000	0	225,000	169,815.12	.00	55,184.88	75.5%
463000 PUBLIC FIRE PROTECTION	1,650,000	0	1,650,000	1,083,604.58	.00	566,395.42	65.7%
466003 SALES FOR RESALE-ASH	3,550,000	0	3,550,000	2,296,708.22	.00	1,253,291.78	64.7%
466004 SALES FOR RESALE-SCOTT	84,000	0	84,000	59,871.44	.00	24,128.56	71.3%
466005 SALES FOR RESALE-HOBART	455,000	0	455,000	328,267.15	.00	126,732.85	72.1%
466006 SALES FOR RESALE-WRIGHTSTOWN	236,000	0	236,000	197,085.17	.00	38,914.83	83.5%
470000 LATE PAYMENT PENALTIES	145,000	0	145,000	62,472.59	.00	82,527.41	43.1%
471000 TURN ON & SET REVENUE	100,000	0	100,000	60,922.00	.00	39,078.00	60.9%
472000 RENT-CELL TOWERS	66,409	0	66,409	69,968.24	.00	-3,559.24	105.4%
472010 RENT-ADDITIONAL METERS	24,000	0	24,000	12,865.90	.00	11,134.10	53.6%
472020 RENT - LAND	2,437	0	2,437	2,437.50	.00	-.50	100.0%
474000 OTHER WATER REVENUE-MISC	1,918	0	1,918	1,147.50	.00	770.50	59.8%
474010 RETURN ON METER INVEST	106,000	0	106,000	.00	.00	106,000.00	.0%
474020 REBATES	35,000	0	35,000	25,487.60	.00	9,512.40	72.8%
474030 PRIVATE WELL PERMITS	100	0	100	300.00	.00	-200.00	300.0%
474040 SALE OF SCRAP	15,000	0	15,000	12,467.40	.00	2,532.60	83.1%

GREEN BAY WATER

AUGUST 2026 REVENUE BUDGET REPORT

FOR 2026 08

	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
474050 TITLE COMPANY LETTERS	2,000	0	2,000	680.00	.00	1,320.00	34.0%
474060 THAW SERVICE	500	0	500	.00	.00	500.00	.0%
474070 MISSED APPOINTMENT CHARGE	500	0	500	300.00	.00	200.00	60.0%
476000 SEWER REIMB FROM CITY	1,200,000	0	1,200,000	750,000.00	.00	450,000.00	62.5%
476100 STORM REIMB FROM CITY	480,000	0	480,000	310,000.00	.00	170,000.00	64.6%
TOTAL WATER UTILITY	32,414,843	0	32,414,843	21,077,106.28	.00	11,337,736.72	65.0%
GRAND TOTAL	32,414,843	0	32,414,843	21,077,106.28	.00	11,337,736.72	65.0%

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GREEN BAY WATER

AUGUST 2026 EXPENSE BUDGET REPORT

FOR 2026 08

	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
610 WATER UTILITY							
1630 STORES EXPENSE	99,584	0	99,584	59,984.56	.00	39,599.44	60.2%
1840 CLEARING ACCOUNTS	568,703	0	568,703	-263,931.23	.00	832,634.23	-46.4%
4030 DEPRECIATION EXPENSE	5,867,113	0	5,867,113	4,130,204.00	.00	1,736,909.00	70.4%
4050 AMORTIZATION OF OTHER PLANT	131,453	0	131,453	87,635.52	.00	43,817.48	66.7%
4080 TAXES	2,814,326	0	2,814,326	1,746,919.26	.00	1,067,406.74	62.1%
4160 MERCHANDISING & JOBBING EXP	240,473	0	240,473	163,677.16	.00	76,795.84	68.1%
4260 OTHER INCOME DEDUCTIONS	464,321	0	464,321	.00	.00	464,321.00	.0%
4270 INTEREST ON LONG-TERM DEBT	2,107,287	0	2,107,287	1,265,531.28	.00	841,755.72	60.1%
4280 AMORTIZATION OF DEBT DISCOUNT	180,723	0	180,723	1,376.80	.00	179,346.20	.8%
6020 PURCHASED WATER	10,000	0	10,000	4,559.83	.00	5,440.17	45.6%
6130 MAINTENANCE OF INTAKES	620,500	76,200	696,700	645,365.83	38,065.95	13,268.22	98.1%
6160 MAINTENANCE OF SUPPLY MAINS	144,702	0	144,702	34,611.03	.00	110,090.97	23.9%
6200 PUMP OPS SUPERVISION & ENG	111,653	0	111,653	86,759.50	.00	24,893.50	77.7%
6230 FUEL OR POWER FOR PUMPING	1,033,000	0	1,033,000	621,778.53	.00	411,221.47	60.2%
6240 PUMP LABOR & EXPENSES	47,852	0	47,852	20,641.78	.00	27,210.22	43.1%
6260 MISC PUMPING EXPENSE	101,491	0	101,491	73,867.77	2,391.88	25,231.35	75.1%
6300 PUMP MAINT SUPERVISION & ENG	39,105	0	39,105	9,563.27	.00	29,541.73	24.5%
6310 PUMP MAINT OF STRUCTURES	401,065	0	401,065	84,627.78	.00	316,437.22	21.1%
6320 PUMP MAINT OF POWER PROD EQUIP	76,500	0	76,500	45,076.82	.00	31,423.18	58.9%
6330 MAINT OF PUMPING EQUIP	772,551	1,100	773,651	291,507.98	13,677.91	468,465.11	39.4%
6400 TREATMENT OPS SUPERVIS & ENG	94,521	0	94,521	39,401.81	.00	55,119.19	41.7%
6410 CHEMICALS	622,500	0	622,500	413,702.20	.00	208,797.80	66.5%
6420 WATER TREATMENT OPERATIONS EXP	860,194	0	860,194	474,388.09	.00	385,805.91	55.1%
6430 MISC WATER TREATMENT EXP	175,966	0	175,966	113,868.88	487.98	61,609.14	65.0%
6500 TREATMENT MAINT SUPERVIS & ENG	42,884	0	42,884	37,169.48	.00	5,714.52	86.7%
6510 TREATMENT MAINT OF STRUCTURES	44,152	0	44,152	27,806.79	.00	16,345.21	63.0%
6520 MAINT OF TREATMENT EQUIP	239,281	12,913	252,194	173,040.30	6,246.00	72,907.70	71.1%
6600 TRANS & DIST OPS SUP & ENG	317,547	0	317,547	194,863.55	.00	122,683.45	61.4%
6620 TRANS & DIST LINES EXPENSE	254,941	0	254,941	204,743.98	.00	50,197.02	80.3%
6630 METER EXPENSE	277,278	0	277,278	171,245.50	.00	106,032.50	61.8%
6640 CUSTOMER INSTALLATION EXP	397,792	0	397,792	392,673.93	.00	5,118.07	98.7%
6650 MISC TRANS & DIST EXPENSES	555,159	0	555,159	434,038.43	.00	121,120.57	78.2%
6720 MAINT OF DIST RES & STANDPIPES	53,749	0	53,749	7,324.22	.00	46,424.78	13.6%
6730 MAINT OF TRANS & DIST MAINS	1,492,886	0	1,492,886	891,355.61	21,310.00	580,220.39	61.1%
6750 MAINT OF SERVICES	687,387	0	687,387	312,008.70	.00	375,378.30	45.4%
6760 MAINT OF METERS	54,750	0	54,750	39,702.00	.00	15,048.00	72.5%
6770 MAINT OF HYDRANTS	289,083	0	289,083	195,318.28	.00	93,764.72	67.6%
9020 METER READING EXPENSE	77,112	0	77,112	67,184.04	.00	9,927.96	87.1%
9030 CUSTOMER RECORDS & COLLECTION	1,068,983	0	1,068,983	773,919.43	.00	295,063.57	72.4%
9040 UNCOLLECTIBLE ACCOUNTS	10,000	0	10,000	4,544.43	.00	5,455.57	45.4%

GREEN BAY WATER UTILITY

AUGUST 2026 EXPENSE BUDGET REPORT

FOR 2026 08

	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD EXPENDED	ENCUMBRANCES	AVAILABLE BUDGET	PCT USED
9060 CUSTOMER SERVICE & INFORMATION	84,117	0	84,117	60,344.97	.00	23,772.03	71.7%
9200 ADMIN & GENERAL SALARIES	868,159	0	868,159	568,802.38	.00	299,356.62	65.5%
9210 OFFICE SUPPLIES & EXPENSES	93,045	0	93,045	63,399.05	.00	29,645.95	68.1%
9230 OUTSIDE SERVICES EMPLOYED	632,763	0	632,763	109,374.33	.00	523,388.67	17.3%
9240 PROPERTY INSURANCE	132,742	0	132,742	.00	.00	132,742.00	.0%
9250 INJURIES & DAMAGES	52,240	0	52,240	22,339.35	.00	29,900.65	42.8%
9260 EMPLOYEE PENSIONS & BENEFITS	1,377,605	0	1,377,605	842,601.02	.00	535,003.98	61.2%
9280 REGULATORY COMMISSION EXP	0	0	0	2,281.04	.00	-2,281.04	100.0%
9300 MISC GENERAL EXPENSES	55,610	0	55,610	52,071.23	.00	3,538.77	93.6%
9320 MAINT OF GENERAL PLANT	310,745	675	311,420	162,184.98	38,257.50	110,977.52	64.4%
TOTAL WATER UTILITY	27,055,593	90,888	27,146,481	15,961,455.47	120,437.22	11,064,588.31	59.2%
GRAND TOTAL	27,055,593	90,888	27,146,481	15,961,455.47	120,437.22	11,064,588.31	59.2%



Green Bay Water Commission **GENERAL MANAGER UPDATE**

DATE: September 14th, 2026
TO: Green Bay Water Commission
FROM: General Manager Brian Powell, P.E.
RE: General Manager Update

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

1. Update on Village of Pulaski – August 24th
2. WDNR Sanitary Survey Report
3. Workforce Report
 - a. Filter Plant Operator
 - b. Executive Assistant – Pam Beilke



August 13, 2026

PWS ID 40503562
Green Bay Waterworks-MC
Brown County

Mr. Brian Powell, General Manager
Green Bay Water Utility
631 S. Adams Street
P.O. Box 1210
Green Bay, WI 54305-1210

Subject: 2026 Sanitary Survey Report for the Water Supply Serving the Green Bay Water Utility

Dear Mr. Powell:

On July 9 and July 14, 2026, McCrea Baker and I conducted a sanitary survey of your water system. Also present during parts of the inspection were Brooke Lotto from the Department and Doug Martin, Kristin Romanowicz, Jeff Possi, Justin Hewitt, Jamie Phillips, and a few other members of Green Bay Water Utility (Utility) staff. The purpose of a sanitary survey is to evaluate the water system's source, facilities, equipment, operation, maintenance, and management as they relate to providing safe drinking water. The sanitary survey is also an opportunity to update the Department of Natural Resources' (Department) records, provide technical assistance, and identify potential risks that may adversely affect drinking water quality or quantity.

At the completion of the survey, the Utility was briefed on the preliminary findings. This report outlines the final findings. This report also includes existing non-conforming features and recommendations that the Utility should review and address as appropriate. Depending on the type of action you take to correct these items, you may need to obtain prior approval and submit additional plans to the Department.

Required Actions

No required actions are due at this time. Please consider addressing the recommendations and non-conforming features outlined in this report.

Significant Deficiencies

During the sanitary survey, **no (0) significant deficiencies were identified**. Significant deficiencies indicate noncompliance with one or more Wisconsin Administrative Code and/or represent an immediate health risk to consumers.

Deficiencies

During the sanitary survey, **no (0) deficiencies were identified**. Deficiencies are problems in drinking water systems that have the potential to cause serious health risks or represent long-term health risks to consumers. Deficiencies may indicate noncompliance with one or more Wisconsin Administrative Codes.

Recommendations

During the sanitary survey, four (4) recommendations were identified. Recommendations are issues noted in the water system that may hinder your public water system from consistently providing safe drinking water to consumers.

Recommendations
1. It is recommended that an ambient air ozone detector and alarm be installed in the rapid mix room. If an ozone residual is still present beyond the ozone contactors, there is a potential for residual ozone to release into the air in the rapid mix room, which could lead to an unsafe environment for operators.
2. It is recommended that an alarm be provided if the clear well water levels drop below 8 feet. Per the Surface Water Treatment Rule letter, this minimal operational level was established to ensure that the reservoir water level remains above the normal high groundwater levels in the areas surrounding the reservoir and limit any potential groundwater infiltration and uplift forces on the walls of the reservoir. There is currently no existing alarm if the water levels do drop below 8 feet.
3. The Department recommends the Utility develop a policy to either require the owner of private water mains to provide documentation showing that private hydrants are flushed regularly, and the valves are exercised routinely, or Utility staff conduct this work and the property owner pays for this service and the water used under a contract-type arrangement. The Public Service Commission does not allow communities to provide this service to private owners within the budget funded by all water rate payers, yet it is critical that ALL hydrants and valves remain operable for protection of life and property in the event of a fire.
4. The Department recommends that the Utility evaluate and determine the condition of the raw water intake(s) on a regular basis. Conducting routine inspections of these assets to identify damage and quantify sediment or zebra mussel build up both on the interior and exterior can be instrumental in planning for and completing routine maintenance. If significant maintenance, repair, or cleaning is required, approvals from the drinking water program and from other Department programs may be required based on the nature of the work. Contact the Department a minimum of one year in advance of any planned cleaning or maintenance work on the intake piping or structures is recommended to ensure adequate time is available to secure all necessary permits. This includes permitting backflushing activities to remove frazil ice during the winter. For water quality permitting questions, please contact Sawyer Hanson at sawyer.hanson@wisconsin.gov or 608-669-4310. For wastewater permitting questions, please contact your regional representatives and supervisors to initiate the process. Waterways regional representatives and supervisors can be found at the following web link: https://dnr.wisconsin.gov/topic/Waterways/contacts.html

Non-Conforming Features

The following features are not deficiencies, but do not conform to current standards for community systems. These must be upgraded when a public health risk exists (water-borne illness, water quality complaints, positive bacteria sampling, cross connections and potential for contamination can all be considered when determining public health risk) or it falls within a reviewable project per s. NR 811.01, Wis. Adm. Code.

Non-Conforming Features
1. The overflow at the Huron Tower discharges inside of a storm sewer concrete riser which has a small drain daylighting to the ground. It is unknown the distance between the invert of the overflow pipe and the top of the drain hole within the concrete structure – however, it appears to be less than 12-inches. Per NR 811.64(4)(a)1, the overflow pipe of a water storage structure shall terminate downward facing from horizontal, 45-degrees at a minimum of 12 to 24 inches above the final graded ground surface with a free air break over a drainage inlet structure.
2. There are areas within the Utility’s distribution system where existing looped, privately-owned water mains have two connections to the Utility’s water main without properly installed check valves on the piping, as required in s. NR 811.68(3), Wis. Adm. Code. These locations are all properly identified in the Utility’s GIS. If modifications are made to either the Utility’s mains or the private mains, the required check valves must be installed.
3. Not all river crossings greater than fifteen feet have valves and test ports as required in s. NR 811.76(2), Wis. Adm. Code. When future work is done near these crossing, the Utility shall install the appropriate valves and test ports. This work requires prior plan approval.
4. There is an area within the Hobart Pressure Zone where pressure can be as low as 31 psi. If storage or primary pumping facilities in a distribution system cannot maintain a minimum static pressure of 35 psi throughout the distribution system at street level, a boosted pressure zone is required to serve those portions of the system with less than 35 psi, as required in s. NR 811.79, Wis. Adm. Code. This issue is not identified as a deficiency because the issue is well known, documented, has been an issue since the standpipe was constructed, the Utility has not had any complaints regarding water pressure from the residents in this area and the Utility plans to address this issue when the current paint/coating on the Hobart Standpipe exceeds its life.
5. There are several noted non-complying features located at the emergency groundwater wells. When major work is performed at any of these wells, and the following features are present, the Utility must upgrade these. a. Wells with vertical turbine pumps in casings 10-inches and larger are required to be equipped with a well vent that is 2-inches in diameter or larger installed through the well pump casing, well seal, or concrete pump base to ensure adequate venting. In addition, the vent discharge shall be at least 12” above the floor, per s. NR 811.36(1), Wis. Adm. Code. b. Pump bases are required to be a minimum of 12 inches above the floor per s. NR 811.31(1)(a), Wis. Adm. Code. c. Injection quills installed in a horizontal section of pipe shall be installed up into the bottom half of the pipe per s. NR 811.39(7)(f).

Non-Conforming Features

6. The Utility has pressure reducing valve (PRV) vaults in the distribution system that do not meet the requirements found in s. NR 811.25 and 811.84, Wis. Adm. Code, including:
 - a. Sump pump discharge shall terminate at least 24-inches above grade in a downward facing U-bend with a 24-mesh corrosion resistant screen.
 - b. Ventilation piping shall terminate at least 24-inches above grade in a downward facing U-bend with a 24-mesh corrosion resistant screen.
 - c. All access hatches shall terminate a minimum of 24-inches above grade.
7. There are existing non-complying features noted at the storage facilities pertaining to overflows, access hatches, vents, and inlet/outlet discharge lines. The following is a list of some of the requirements from s. NR 811.64, Wis. Adm. Code, that the Utility must upgrade, as applicable, during the next reviewable project. The Department recommends you address them as soon as possible.
 - a. On elevated tanks and standpipes, access hatches to the wet interior shall be framed a minimum of 4-inches above the surface of the roof.
 - b. The overflow pipe of a water storage structure shall terminate downward facing with a minimum of 12 inches above the final graded ground surface with a free air break over a drainage inlet structure, splash pad, or riprap.
 - c. On elevated tanks and standpipes, vents shall terminate in a U-bend or mushroom cap with the opening at least 4-inches above the roof and covered with 4-24 mesh corrosion resistant screen. Mushroom caps shall be provided with an automatic-resetting, pressure-vacuum relief, "frost-proof" mechanism.
 - d. On ground storage reservoirs, vents shall terminate in a U-bend or mushroom cap with the opening at least 24-36 inches above the roof or sod and covered with a 24-mesh corrosion resistant screen.
 - e. All ground storage reservoirs shall be covered with a flexible waterproof membrane with a minimum thickness of 0.060 inches and have a minimum slope of 0.015 ft/ft.
 - f. Elevated tanks with riser pipes greater than 8-inches in diameter shall have protective bars installed over the riser openings inside the tank.

Reminders and Other Follow-Up

1. For those properties that the Utility has opted to provide public education in lieu of low hazard inspections, the Utility should still be on sight to deliver these public education brochures, answer questions, and inspect any common areas, outside hose bibbs, etc.
2. Ensure the surge relief vaults at the Lake Station are checked annually to ensure there is no standing water.
3. The Utility should begin reporting free chlorine residuals from around entire distribution system on the monthly operating reports, rather than only reporting the lowest residuals from the two chlorine analyzers at the emergency wells 7 and 8. These chlorine residuals can be pulled from the distribution system bacti sampling reporting to get a good representation of the entire distribution system.
4. Emergency power is required to be tested monthly and exercised quarterly under load. A log of operation and maintenance records must be maintained and made available upon request by the Department.

5. By 12/31/2026 the Utility is required to deliver the annual notices to consumers served by lead, GRR, and lead status unknown service lines. Notices must be sent in accordance with the most recent service line inventory that the Department has on file. An updated inventory can be submitted through the new Service Line Inventory Submittal Portal (SLISP) by October/November. Please contact skyeanne.tompkins@wisconsin.gov or wisconsin.slisli@jacobs.com for assistance in using SLISP.
6. The Utility must obtain plan approval for all projects that potentially affect the quality or quantity of the water supply. Please follow the plan review process outlined on our website at: <http://dnr.wi.gov/topic/drinkingwater/planreview.html>.
7. Following all water storage facility inspections, the Utility shall submit a complete Department inspection report (Form 3300-248) to me per s. NR 810.14(4), Wis. Adm. Code. Supplemental reports, photos or videos shall also be provided.
8. On an annual basis, the Utility must conduct and document inspections of the screening on the vents and overflows, watertight seals on the inspection hatches on each tower, standpipe and ground storage reservoir and make repairs as necessary, in accordance with s. NR 810.14(1), Wis. Adm. Code. Documentation of this inspection can be a notation in your daily logbook, monthly report, receipt by a private contractor, photos or any other method to show the date the work was completed.

System Summary

The water supply system is owned by the City of Green Bay (City) and operated by the Green Bay Water Utility (Utility). The water supply system contains two raw water intakes, two shore wells, six low lift pumps delivering raw water to the filtration plant, three ozone contact tanks, one rapid mix basin, six flocculation basins, five sedimentation basins, 12 dual media filters, three clear wells, two sludge lagoons, three elevated storage tanks, one standpipe, one ground storage reservoir, eight emergency groundwater wells, three booster stations and 14 pressure reducing stations defining seven pressure zones. The Utility currently serves four wholesale customers (Village of Hobart, Town of Scott, Village of Ashwaubenon, and Village of Wrightstown). The Village of Pulaski will be the fifth wholesale customer in 2026.

Raw Water Intakes: One primary 6,000-foot intake supplies water from Lake Michigan to the shore well. This intake was installed in 1956. A second, 3,000-foot intake, was previously used as a backup, but following the backflushing of these intakes in 2026, has been brought online to operate with the north intake. Each intake has nine inlet cones at the endpoint. Chlorine is added at the entrance of the intakes for zebra mussel control.

Shore Wells: The lake station is located on the shore of Lake Michigan and includes two shore wells, bar screens, low lift pumps, two diesel-fueled generators, and a gas chlorine feed system.

The north shore well building includes an air system for valve operation and five vertical-turbine pumps with 800 HP motors and capacities of 9 MGD /6300 gpm, four of which have soft starts and one with a VFD. The south shore well building includes one split-case centrifugal pump with a soft start and a capacity of 9.5 MGD.

The chlorine room at the Lake Station had approved modifications to prevent chlorine gas from being carried via piping outside of the actual chlorine building. The current building contains a new chlorine room with new gas feeders and ejectors, automatic cylinder valve actuators, with emergency shut off valve controllers on each of the two one-ton cylinders of chlorine gas, and other required features such as panic exit hardware, glass viewing windows, an eyewash station, etc. This chlorine gas here is used for zebra mussel control.

Raw Water Transmission Mains: There are two transmission mains from the lake station to the filter plant. The original main is a 42-inch line that was constructed in 1955 and has a capacity of 24 MGD when pumping directly from the lake to the plant. The second transmission main was installed in 2005. This main is 54-inch diameter and runs parallel to the 42-inch line. Since 2018, in response to issues related to corrosion control, the Utility

scours excess turbidity from the piping, annually, by increasing the flow to 3.5 fps in the 54-inch line and 5 fps in the 42-inch line. Normal flow velocity is 1 fps.

Raw Water Booster Station: A raw water booster station is located approximately halfway between the lake station and the filtration plant. This station includes a 1 MG reservoir and two-20,850 gpm horizontal centrifugal booster pumps that are offline. Since the installation of the 54-inch transmission main in 2005, the station has not been needed to meet higher demands. Historically the plan was to use the station if the 54-inch transmission main was out of service during peak demand, which would increase the capacity of the 42-inch line to 42 MGD; however, the station hasn't been maintained and is planned to be abandoned in the near future. Department staff no longer inspect this facility during sanitary surveys.

Ozone (42 MGD): Ozone was originally designed in the mid-1990's to provide primary disinfection to the raw water in anticipation of new EPA rules. The addition of ozone is currently recognized by the Department for taste and odor control only and is operated at the highest level that will not impact the formation of bromate. The facilities are designed to provide an average ozone dose of 3.5 mg/L and a maximum dose of 4.5 mg/L; however, the plant is operated at 0.5 to 1.7 mg/L with the higher dose in the summer. Hydraulic contact time is designed to provide 40 minutes at 42 MGD.

Liquid oxygen is used for the feed gas for ozone generation. There are three (2 active, 1 standby), medium-frequency ozone generators. Space is provided for a fourth. Each has a capacity of 800 lbs/day at a constant ozone-in-oxygen concentration of 10 percent by weight.

At the filter plant, the discharge from the 42-inch and 54-inch raw-water transmission mains flows into an influent box with an overflow. The raw water then flows into the influent channel and through 30-inch lines to each of three ozone contactor trains. Each train consists of an over and under diffusion basin followed by a horizontal serpentine contact basin.

Sodium bisulfite is provided for quenching excess ozone and is applied just prior to the weir at the end of each contactor at a dose of 2.2 times the excess ozone based on the residual recorded at the effluent channel.

Two, ozone-destruct blowers maintain a minimum vacuum in the contactors of three inches. The ozone off gas is taken off the last diffuser basin and run through a demister before going to one of two thermal catalytic off gas destruct units. The destruct units vent to the roof. The plant has not experienced any froth or foam problems and no spray system for froth and foam reduction exists. A spray system can be retrofitted, if ever needed.

Elevated Ozone Cooling Water Tank: This 150,000-gallon tank was previously used as the wash water tank, but in 2005 when the new wash water tank was constructed, this tank was repurposed to store water for cooling the ozone generators, house water for cleaning and carrier water for sodium hypo system. The source of water is filter effluent prior to chlorine and fluoride addition. The spent cooling water is returned to the raw water influent channel downstream of the raw water meter. This water may also be used for filter backwash if necessary. This tank is not typically inspected by the Utility or the Department.

Rapid Mix (42 MGD): Each ozone contactor has a 42-inch, effluent line which flows into a common 60-inch raw water, influent line to the rapid mix basin. This singular basin may be a point of vulnerability. The Utility will address this if/when the plant is expanded. Two, Water Champ submersible rapid mix units are in the basin; one is used as a back-up. The units are oriented horizontally and counter-flow at the end of the influent pipe.

The primary coagulant is PolyAluminum HydroxyChloride (Hyperlon 1050A) and the feed point is the suction inlet of the Water Champ unit. A secondary coagulant feed line was installed in 1997 to the 60-inch raw water feed line but hasn't been used.

The coagulant is also added after settling, before the filters and to the filter backwash water flowing to the cistern. The amount of coagulant used at all three locations is recorded as a daily total on the monthly report.

The coagulant is stored in two fiberglass bulk tanks and fed from two fiberglass day tanks. Control of the feeders is automatic through a double-feed, back loop. The bulk tank is stored in a room with a containment area. The day tank room also has a dedicated containment area and the floor drain within this area is sealed.

Flocculation/Slow Mix: An influent trough feeds the six flocculation basins, each with three stages and six mixers. The openings into and out of the basins and between the stages are arranged for an over and under flow pattern. The flocculators have a downward-pumping, 72-inch diameter, axial impeller on a vertical shaft that is driven by a gear reducer and drive motor controlled by an adjustable frequency controller.

Sedimentation: Water from the flocculation basins is discharged into a trough where the water flows through a 60-inch pipe which feeds either three, parallel conventional sedimentation basins or two basins containing plate settlers. Sixty percent of the water flows to the sedimentation basins and 40 percent flows to the plate settlers.

The three, conventional sedimentation basins provide a detention time of 192 minutes at 9.3 MGD per basin. A baffle, to distribute the water evenly, is present at the inlet of each basin. The basins are not equipped with any other baffles. Each basin is drained and taken out of service in the spring and fall for sludge removal. Sludge is manually removed and discharged through mud valves in the basin floor out to the sludge lagoons, west of the plant.

The two sedimentation basins containing plate settlers provide a detention time of 44 minutes at 7 MGD per basin. The plate settlers contain 18 plate pack units, each with 68 or 70 plates, installed in three rows of three units per basin. The plates are each 5 feet wide by 10 feet long by 0.09 inches thick and are installed at an inclined angle of 55 degrees from horizontal and 2 inches apart. The flow enters the plate packs through openings on each side, near the bottom, and overflows at the top, through the v-notch weirs, to an effluent trough. While the plate settlers are equipped with Spyder sludge collection systems, the on-site lagoons are not able to handle routine discharges.

Water from the sedimentation basins and the plate settlers flows over the weirs to a 42-inch settled-water trough. The water is distributed from this trough through 24- and 36-inch lines to the filters.

Filtration: Twelve, dual-media filters are present with dimensions of 29 feet by 30 feet resulting in a surface area of 870 square feet. At 42 MGD, the filtration rate is 2.79 gpm/ft² with all 12 filters in operation and 3.05 gpm/ft² with 1 filter out of service. PolyAluminum HydroxyChloride is added as a filter aid/coagulant.

The underdrains for the filters are PWI polystyrene inserts. The filter media, from top to bottom, is as follows:

Media	Depth (in.)	Effective Size (mm)	Uniformity Coefficient	Specific Gravity	L/D
Anthracite	20	0.7 to 0.85	<1.6	1.7	655
Sand	12	0.45 to 0.55	<1.6	2.65	609
Torpedo Sand	4	0.8 to 2.0	<1.7	2.65	73
Total	36				1337

Backwash / Wash Water: Backwashes are initiated when the effluent turbidity exceeds 0.1 NTU, particle counts in the 2-5-micron range exceed 50, 84 hours of operation (winter), or the head loss exceeds 5-6 feet (summer). The backwash cycle begins with a surface wash. A coagulant is added to the backwash water to enhance settling. Following backwash, a filter-to-waste cycle goes into effect for up to 15 minutes. This water flows to the wash water recycle basin. Since the filter plant is located remotely from sanitary sewer lines, the Utility maintains two sludge lagoons to the west of the filtration plant. The decant water from the lagoons is transferred to the wash water recycle basin and the sludge is periodically removed. The back wash recycle basins receive backwash, filter to waste, and decant water from the lagoons. Three, 500 gpm submersible wastewater pumps move the settled water to the head of the plant into the ozone distribution channel as recycled water. As seen in the image below, there is a meter (represented by a star) measuring recycled water pumped to the head of the treatment plant and a meter on the filter-to-waste line. The programmable logic controller is set so that the plant flow rate must be above 14 MGD before the second pump can operate in order to limit the recycle rate to 10 percent of the total flow rate. The third pump is intended as a backup. The basin is manually cleaned four times a year with the waste sent to the lagoon. See the image below for more details on the backwash and wash water process at the filter plant.

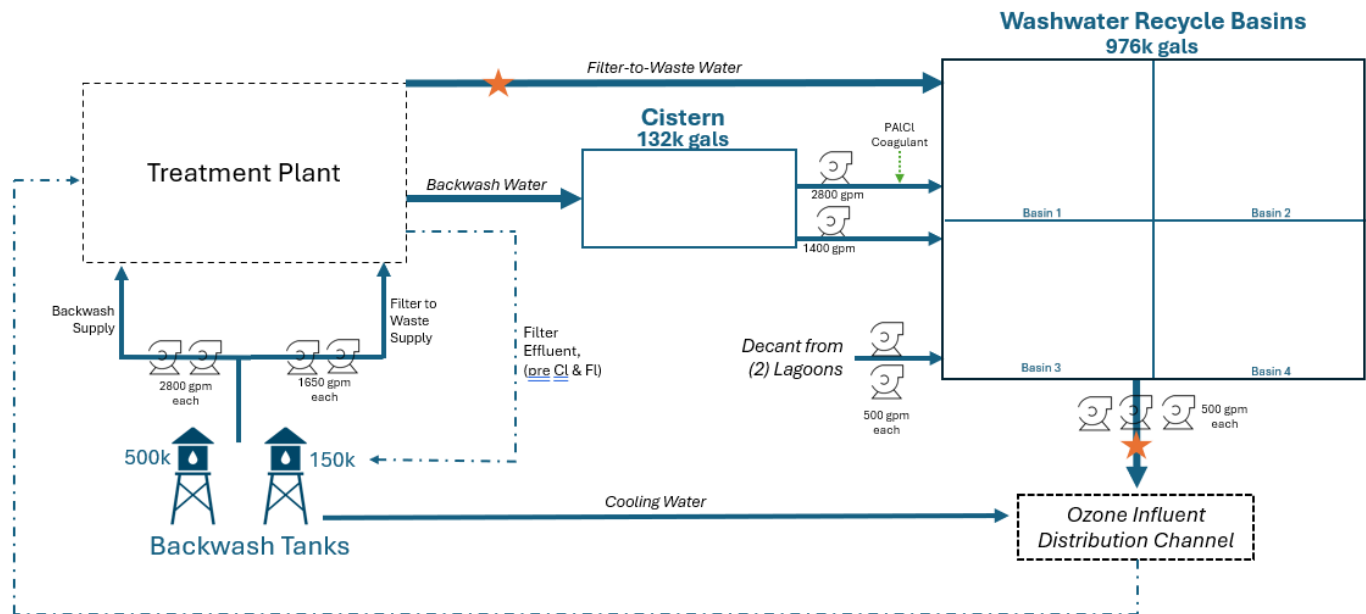


Image 1. Filter Plant Backwash and Wash Water Process Flow Diagram

Finished Water Chemical Addition: Liquid sodium hypochlorite is used as a disinfectant and is continuously added to the 48-inch, north and south combined filter effluent channels. It can also be added at the east and west reservoir meter vaults and, if the ozone is out, at the rapid mix. Carbon dioxide is added to the sodium hypochlorite carrier water to reduce the pH to prevent inorganic deposits in the injection piping. A standby chlorine feed line is provided on the 60-inch raw water line at the filter plant and an additional feed point is located on the raw water discharge at the lake station where gas chlorine is available.

Fluorosilicic acid, for dental benefits, is continuously added to the 48-inch, north and south combined filter effluent channels a dose that results in an EP level of 0.7 mg/L. Primary control of the fluoride feed system is tied to the raw water flow rate. Secondary control is tied to a set point alarm from a continuous fluoride analyzer that will shut down the fluoride feeders if the residual reaches the high level set point.

Finished Water Reservoirs: The 42-inch north combined filter effluent line discharges into the 4 MG reservoir. The 42-inch south combined filter effluent line discharges into the two, 2 MG reservoirs. The water flows in parallel but not equally through the three reservoirs.

The reservoir access hatches act as vents and overflows and have been constructed to handle the upward pressure during overflow events. When the clear wells were drained and inspected in 2013 seepage was noted and the Utility subsequently repaired the exterior of the reservoirs. A dewatering system now exists around the south and east perimeter of the clear wells in order to lower the water table below the reservoir floor during drain inspections. Note: the finished water reservoirs are not used for CT; in 2013, the Department required 4-log inactivation for viruses, downstream of the clear wells, as an acceptable means of addressing the fact that the clear wells are not 24-inches above the water table.

Water flows from the three reservoirs by gravity to the distribution system. The pressure in the buried lines from the reservoirs starts at 5-10 psi and increases to 45-60 psi at the Grandview station. The 4-log virus inactivation is met by chlorine CT in the transmission main between the filter plant and Grandview station.

Flushing and Potable Water Systems Within the Filter Plant: A flushing, non-potable water system exists in the building for the purposes of supplying water to wash down hoses and hose bibs. This water is supplied off the existing wash water tank and is protected by an RPZ.

The potable water system for the plant is supplied from a connection to the 36-inch South 2 MG Clearwell bypass line. The detention time in the 36-inch line and the 4-inch supply line to the pumps provides a minimum CT of 82 based on a pumping rate of 80 gpm and a chlorine residual of 0.5 ppm which results in a 4- log inactivation of viruses for the onsite potable water supply. The CT values are calculated by SCADA but are not reported to the Department.

Emergency Groundwater Wells: The Utility maintains eight groundwater wells in emergency status. Except for Well 2, these wells exceed the standard for one or more of the following: arsenic, radium 226+228, gross alpha, and the secondary health standard for fluoride. These emergency wells may not be used to provide water to the system except in an emergency.

An emergency well abandonment agreement was signed by the Utility on July 10, 2006 and has been regularly renewed during each sanitary survey date. As part of the agreement, wells in excess of 70 years old shall be inspected using a video camera for the entire well depth at least once every 15 years. The latest inspection dates for the emergency wells are shown in the table below.

Well	Year Constructed	Last Inspection
2	1956	2016
3	1964	2026
5	1937	2015
6	1932	2017
7	1942	2025
8	1952	2011
9	1948	2024
10	1951	2018

It was noted that Emergency Well 2 is next on the schedule to be inspected. During this time, the pump/motor capacity and the structural integrity of the building will be inspected to determine a long-term plan for this emergency well.

Distribution System: The distribution system is composed of 514 miles of water main ranging from 0.75-inch to 36-inches in diameter. According to the 2025 Master Plan Study, about 20% of the water main is 6-inch or less . The Utility continues to replace these small diameter mains whenever practical. Many of these are one-block long, supply lines that serve multiple homes. All areas served by the smaller main can provide fire protection from nearby larger water mains. A water main prioritization analysis and KANEW analysis was completed as part of the Utility's Master Plan Update from January 2025. Recommendations were made based on these analyses regarding water main replacement based on the inventory, estimated lifespan, and risk of failure.

All dead-end mains are provided with appropriate flushing devices at their termination. The Utility previously conducted two-year cycles of uni-directional flushing (UDF) program to successfully remove biofilms and tubercles within the distribution system. All hydrants are now flushed at least once annually. Fixes take place immediately and the Fire Department is notified as needed to tag the hydrants that require repair. About one third to half of the valves are exercised annually.

The Utility's last ISO fire flow study took place in 2023 and shows all hydrants can flow a minimum of 500 gpm at a residual pressure of 20 psi. The Utility was classified with a Class 1 ISO rating.

There are several areas where privately-owned water mains are connected to the Utility's mains in more than one location. Except for a few locations, each service has a check valve to prevent a flow-through situation. All the known areas are identified in the Utility's GIS system. In addition, there are many areas of private water main that contain hydrants and valves. The Utility is encouraged to develop an official program to ensure routine maintenance is conducted on these systems.

All bulk water is sold from either one of the seasonal (April-November) set ups located throughout the City or from one of the two permanent stations. All locations are metered and protected by RPZs.

Consecutive Systems: Green Bay is a wholesaler to the Villages of Ashwaubenon, Wrightstown, Pulaski, Hobart Service Area 1, and the Town of Scott. Ashwaubenon has two connections with the Green Bay water supply. A separate 36-inch transmission line comes into the City of Green Bay from the filter plant. This pipe periodically reduces in size and eventually tee's off with one of the 24-inch lines continuing to Ashwaubenon's Mike Vann Booster station and the other line reduces to a 16-inch line and continues to Ashwaubenon's Argonne Station. Meters at Argonne and Mike Vann are used for billing purposes. Currently all water flows through the Mike Van station.

Wrightstown has a connection to Green Bay's water system through the Village of Ashwaubenon. The connection point is an above-ground building with a meter and a gas chlorination system adjacent to Ashwaubenon's Glory Road Tower which is fed directly from the Mike Vann Booster station. The pressure from Green Bay fills Wrightstown's towers.

Hobart's Service Area 1 is connected at an above-ground booster station containing metering and gas chlorination system located on the northwest side of Green Bay off the Hobart Pressure Zone. Hobart Service Areas 2 and 3 also receive Green Bay water, but through the Ashwaubenon distribution system.

Scott is connected to Green Bay's system at two locations. The first was added in 2006 and is off a 12-inch line at a below-ground meter vault along Bay Settlement Road on the northeast side of Green Bay from the Grandview Pressure Zone, which has adequate pressure to fill Scott's tower. This connection station does not have the capability to boost chlorine, but the station has a chlorine analyzer. Scott's second connection was added in 2018 and is located off Green Bay's John Street zone, north on Van Lanen Road. This station includes chlorine boosting with an analyzer and pressure boosting. There are three Green Bay customers that receive their water through the Scott distribution system.

The Village of Pulaski will be Green Bay's newest consecutive system. The Village of Pulaski will be receiving purchased Green Bay Water through a connection to Hobart Service Area 1 starting in August 2026. The extent of Green Bay's ownership with this new connection is the flow meter entering Pulaski's new booster station for billing/tracking purposes.

Pressure Zones: The distribution system is separated into seven pressure zones. UW-Green Bay lies within its own private pressure zone. Except for the Hobart zone, normal pressure ranges within each zone are 35-94 psi. The pressure in the Hobart zone ranges from 31-94. All zones are controlled by pressure reducing valves (PRVs) to manage pressures.

The Grandview Pressure Zone includes a 1 MG reservoir and associated booster station and a 0.75 MG elevated storage tank. Flow into the Grandview Zone is monitored by the filter plant meters. The booster station is operated during the high demand months of summer. Gas chlorine is available on site to boost the chlorine residual leaving the reservoir, if needed. There are two free chlorine analyzers at the Grandview Station. One pulls off the 36-inch transmission main. This value is used to determine the daily CT values. The second analyzer pulls off the 18-inch line that leaves the reservoir and fills the Huron tower. Typically, the free chlorine level is maintained at 0.7-0.8 mg/L; however, if the analyzer reads less than 0.4 mg/L free chlorine, then gas chlorine is added. The reservoir is manually turned over weekly during the winter months.

The Mount Mary Pressure Zone typically receives water from the Grandview Zone through a PRV. It can also be supplied from the Bader Pressure Zone by the St. Anthony Drive Booster Station if needed. The booster station includes a 300 gpm and a 700-gpm horizontal centrifugal booster pump. The 50,000-gallon Mount Mary elevated storage tank is also in this zone. The Utility is planning on demolishing the Mount Mary Tank in the future. There are several non-conforming features at the Mount Mary Tank and it has limited storage capacity to be worth maintaining.

The Bader Street Pressure Zone receives water from the 36-inch transmission mains through five PRVs. This zone includes emergency wells 2 (54-57) and 3 (Eastman).

The Alpine Drive Pressure Zone receives water from the dual 36-inch transmission mains through PRVs.

The John Street Pressure Zone is the largest pressure zone and receives water from the 36-inch transmission main through three PRVs (two as standby). This zone includes emergency wells 5 (Cass St), well 6 (Mason St), well 9 (Bond St), and well 10 (Military Ave), and the 2 MG Quincy St. elevated storage tank.

The Seventh Street Pressure Zone is primarily supplied by the Seventh St. PRVs located at the Ninth St. Booster Station. The Ninth Street Booster Station includes three 3.4 MGD horizontal centrifugal booster pumps. During emergencies, this zone can also be supplied by the Hobart Pressure Zone through a PRV station. This zone also has emergency well 7 (Seventh St.). The booster station is used to fill the Hobart standpipe.

The Hobart Pressure Zone primarily receives water from two valves directly from the 36/24-inch Express Line which either goes through the Ninth Street Booster Station booster pumps or an altitude valve. The zone includes the 2 MG Hobart standpipe and emergency well 8 (Highland). Water can also enter the zone through an altitude valve which comes off the line that feeds Ashwaubenon's Argonne Station. These two connections alternate when the Hobart Tower low level is reached. The pressure in this zone is limited by the height of the standpipe; however, the Utility has not received any pressure-related complaints from the customers in this area and plans to replace the standpipe when it is determined the paint/coating needs replacing.

Storage Facilities: The Utility operates the following storage facilities:

Name (Date Constructed)	Size (gallons)	Last Inspected	Type	Interior Coating	Exterior Painting
Grandview Reservoir (1993)	1,000,000	2023 2017	Drain ROV	n/a	n/a
Huron Ave Tower (1992)	750,000	2025 2024	Drain ROV	2025	2025
Mount Mary Tower (1957)	50,000	2024 2019	Drain ROV	Will be removed before next painting	
Quincy St. Tower (1998)	2,000,000	2022 2017	Drain ROV	2012	2012
Hobart Standpipe (1981)	2,000,000	2024 2019	Drain ROV	Will be removed before next painting	
Clearwell North (1955)	2,000,000	2024 2018	Drain Dive	n/a	n/a
Clearwell South (1963)	2,000,000	2024 2018	Drain Dive	n/a	n/a
Clearwell West (1974)	4,000,000	2024 2018	Drain Dive	n/a	n/a

The Utility has 8 MG of total storage at the filter plant. In addition, the distribution system contains three elevated storage tanks and one standpipe. Because the Hobart standpipe's effective storage capacity is actually closer to 1 MG, there is about 3.8 MG of gravity storage in the distribution system. It should also be noted that the Bader Pressure Zone and the Alpine Pressure Zone have no storage available. Boosted storage includes one ground storage reservoir with a capacity of 1 MG.

Auxiliary Power: The raw water lift station currently has two diesel-fueled engine generators with the capacity to operate two raw water pumps to meet current demands. A third diesel-fueled generator is planned to be installed to meet future average day demands and the maximum day demand. Auxiliary power is also provided for the filtration plant, by a diesel-fueled generator which is run under load monthly. The ozone system at the

filtration plant has a separate auxiliary generator. This system is not mandatory treatment. The existing emergency power is capable of meeting average day demands. Auxiliary power is provided for the Grandview Station by a diesel-fueled generator, which is able to run the entire station. There is no auxiliary power provided for the emergency groundwater wells.

Water Quality Monitoring

The most recent inorganic, synthetic organic, volatile organic and radionuclide analyses from the entry point water quality sample tap indicates that the water meets all applicable drinking water standards. This sample tap is located in the meter vault on the 36-inch line leaving the clear well reservoirs. The Grandview Station is considered the last entry point prior to water use and the chlorine residual at this location is used to calculate the detention time for CT to ensure adequate treatment.

Distribution system monitoring consists of routine bacteriological, free chlorine and fluoride residuals, lead and copper and disinfection-by-product (DBP) sampling. The Utility complies with all applicable drinking water standards.

Fluoride: Fluoride levels are monitored through an ion-specific continuous analyzer located on the clearwell effluent east and west lines. Additionally, monthly distribution split samples are monitored and show good consistency between the lab and field measurements. Fluoride concentrations are maintained around 0.7 mg/L.

Bacteriological: The Utility is required to collect 100 bacteriological samples from the distribution system every month. The Utility currently collects about 25 samples per week, rotating through 25 different sites. Free chlorine residuals are always determined at the time of the sample collection. Bacti analyses are done in-house. Emergency wells are sampled for every 90 days.

Chlorine: The free chlorine residual is continuously monitored at the lake station, at the clear well effluent lines, at the Grandview Station, and at emergency wells 7 and 8. Previously, the daily low distribution system free chlorine residuals were reported on the monthly operating reports from these two emergency wells. The Utility will begin reporting free chlorine residuals throughout the system on the monthly operating reports based on the free chlorine residuals taken from bacti sampling.

DBPs: The Utility performs State 2 DBP Rule monitoring quarterly at four locations. These results meet all applicable drinking water standards.

Lead and Copper: The Utility is currently on triennial monitoring of lead and copper. The Utility is required to take 50 lead and copper samples during the monitoring period this year. The last calculated 90th percentile results are from 2023 which show a 90th percentile of 2.5 ug/L for lead and 500 ug/L for copper.

Other: The Utility samples for PFAS contaminants in 2023 and 2025 at EP 81. The Utility will be required to take another PFAS in October 2026 to include the south intake's water. The Utility participated in UCMR 5 in 2023 and had no detections to report.

Cryptosporidium monitoring under the second round of Long Term 2 Enhanced Surface Water Treatment Rule resulted in a Bin 1 assignment. The Utility conducts all maintenance, calibration and verification of calibration for monitoring equipment in the filter plant and throughout the distribution system in accordance with the Surface Water Treatment Rule and all subsequent revisions to the Rule and Standard Methods for drinking water testing.

Water quality complaints are tracked in a Utility database which includes how the complaint was resolved and the results of any sampling that was conducted.

Required Reports, Records, and Utility Programs

Document record retention requirements for municipal supply systems can be found in NR 809.82 Wis. Adm. Code. It is recommended that material inventory records regarding lead and copper be kept longer than the required 12 years.

Materials Inventory: The Utility maintains an inventory of all utility-owned and customer-owned service lines and submitted an updated copy to the DNR Lead and Copper Program in October 2025. The 2025 consumer notices for lead, unknown, and galvanized requiring replacement service lines were determined to be consistent with federal requirements. The next round of annual notices will be due by 12/31/2026.

Meters: Meter testing is done for all meters up to 8-inches. Small meters are on a 20-year meter replacement program. Large meters are tested annually. All other meters are tested by a contractor. The Utility's meter replacement and testing meets the requirements of chapter PSC 185, Wisconsin Administrative Code.

Ordinances: The City adopted an updated cross-connection control ordinance on May 21, 2002, and last updated it in July 2024. The Utility has a written cross-connection control plan that was also updated in 2024. The Utility has decided to provide public education in lieu of low hazard inspections in bathrooms and kitchens at multi-family properties that are master metered. The Utility should still be on sight to deliver these public education brochures, answer questions, and inspect any outside hose bibbs, etc. In general, the Utility staff inspect all single family and duplex residential properties when meters are changed on a 20-year frequency. The Utility staff also inspects public authority municipal buildings every 2 years. Otherwise, all commercial and industrial owners must hire an inspector and provide the Utility with the required paperwork every 2-6 years, depending on the property type.

The City adopted a private well abandonment ordinance in 1991 and this was updated in 2024. The ordinance requires all wells on premises served by the municipal water system to be permitted or abandoned. Permits are good for five years. Upon renewal, a well driller must complete a well inspection, collect a bacti sample and conduct a cross-connection inspection of all existing wells. There are currently 52 permitted wells and over 180 well abandonment records.

The City has a wellhead protection plan approved by the DNR on August 1, 2012 and ordinance adopted February 4, 2014 and updated on March 17, 2026.

Emergency Response Plan: The Utility maintains an Emergency Operations Plan (EOP), dated March 17, 2011 and updated in 2026 an Emergency Chlorination Plan updated in 2023, and has an Emergency Testing Cooler available at the filter plant.

Certified Operator

The Utility presently employs 10 certified operators. Jonathon Peters is the Operator-In-Charge for Groundwater and Distribution and Jeff Possi is the Operator-In-Charge for Surface Water Treatment. All certified operators receive continuing education, and every manned shift has a fully certified operator on duty.

Water System Security

All access hatches and doors at the lake station, filter plant, clear wells, booster stations, wells, towers, and reservoirs are provided with locks, door guards and entry alarms. Hatches to all water storage reservoirs are keyed differently than the doors. In addition to power and communication failures, the Utility's SCADA system includes a number of additional alarms including flooding, temperature, smoke detectors/fire alarms, inlet and outlet pressure at PRVs and boosters, pressures at towers, chlorine leak detection, high and low chlorine levels at chlorine analyzers, pump bearing temperatures, low fuel on generators, and pump failures at the wells.

There are also several security cameras. The filter plant also has an internal security system, which helps to protect their workers during the night shift.

Capacity Development Evaluation

This sanitary survey serves as an evaluation of the capabilities of your water system and the Department has determined that Green Bay Water has adequate technical, managerial, and financial capacity to provide safe drinking water because the ability to plan for, achieve, and maintain compliance with applicable drinking water standards has been demonstrated.

According to data reported to PSC, the average day demand in 2025 was about 20.5 MGD and the max day was 28.8 MGD due to summer demand.

In the last five years, the Utility has reported non-revenue water numbers ranging from 17-21% and water loss numbers ranging from 16-20%. In 2025, it was reported that there were 192 main breaks and 52 service line breaks, which is standard for the Utility. Historically, the Utility uses a satellite leak detection to take images of the entire water system on an annual basis. Additionally, there are instances where bulk water sales have led to theft of water, and the Utility will not reissue a permit to violators and has installed MTU water meters in problem areas. Despite these two key factors in the Utility's non-revenue water, it was believed that the raw water filter meters had the biggest impact on the non-revenue and water loss numbers. New raw water filter meters were installed in early 2026 and the non-revenue and water loss numbers have shown significant drops (estimated about a 8-9% drop at the time of the survey).

With respect to the Utility's financial capacity, an analysis of the cost recovery ratio was conducted from the most recent PSC annual report. A cost recovery ratio greater than 1.0 indicates that utility revenue covered utility expenses during the prior year. A ratio less than 1.0 indicates that expenses exceeded revenue. The most 2025 PSC report shows a cost recovery ratio of 1.35. The Utility has been consistent with simplified and full rate cases, with the most recent full rate case being in 2024, and a simplified rate case in 2025.

System Summary Information

A water system summary is attached below. **Please review this, along with the narrative above, for accuracy and contact me if any changes need to be made.**

The next sanitary survey of your system is scheduled to take place in 2029. You will be contacted prior to the survey to schedule a date that is convenient for you. If you have any questions, you can reach me by phone at (920) 391-9526 or by e-mail at alyssa.cahoon@wisconsin.gov.

Sincerely,



Alyssa Cahoon, EIT
Water Supply Engineer

Cc: McCrea Baker, DNR
JaNelle Merry, DNR
Doug Martin, Green Bay

Water System Summary Information

GREEN BAY WATERWORKS – 40503562

631 S ADAMS ST, GREEN BAY, WI 53405-1210

Population: 107,369

Certified Operators

Name	Lic. #	Expires	Certifications	OIC Role
Richard C Ganzel	25036	6/1/2029	DT, G1, S1	N
Logan D Hardwick	38516	8/1/2029	D1, GT, S1	N
Justin M Hewitt	36744	11/1/2027	DT	N
James A Johnson	32681	7/1/2028	D1, S1	N
Joseph L Johnson	36481	1/1/2027	DT, GT, LT, S1	N
John D Lindstrom	38294	6/1/2028	D1, S1	N
Jonathan G Peters	38081	5/1/2028	D1, G1, ST	Y
Jeffrey A Possi	34634	5/1/2027	D1, GT, IT, LT, VT, ZT, S1	Y
Daniel P Szafranski	35169	5/1/2029	D1, G1, ST	N
Zachary Wagner	37293	5/1/2029	D1, G1	N

Affiliations

Name	Affiliation	Email	Phone
Skyeane Tompkins	DNR_PBCU_EXPERT	skyeane.tompkins@wisconsin.gov	608-512-7896 (Business)
Alyssa Cahoon	DNR_REP	alyssa.cahoon@wisconsin.gov	920-391-9526 (Business)
Jeff Possi	EMERGENCY	Jeff.Possi@greenbaywi.gov	920-845-2031 (Business) 920-448-3483 (Emergency)
Green Bay Water Utility- General Mgr Brian Powell	LEGAL_OWN	brian.powell@greenbaywi.gov	920-448-3480 (Business) 920-621-0468 (Cellular)
Green Bay Water Utility- General Mgr Brian Powell	OWNER	brian.powell@greenbaywi.gov	920-448-3480 (Business) 920-621-0468 (Cellular)
Green Bay Water Utility- General Mgr Brian Powell	PLAN_CON	brian.powell@greenbaywi.gov	920-448-3480 (Business) 920-621-0468 (Cellular)
Jeff Possi	SAMPLER	Jeff.Possi@greenbaywi.gov	920-845-2031 (Business) 920-448-3483 (Emergency)
Green Bay, City Of - Clerk, Celestine Jeffreys	PLAN_CON	Clerkinquiries@greenbaywi.gov	920-448-3010 (Business) 920-448-3016 (Fax)

Entry Points and Sources of Water (basic data)

ID	Name	WUWN	Status	Type	Source	Date Constructed	Water Bearing Formation	Depth	Cased	Grouted
1	N RAW WATER INTAKE		Active	SOURCE OF WATER	SW Source					
11	S RAW WATER INTAKE		Inactive	SOURCE OF WATER	SW Source					
2	EM WELL 2 - HWY 54 57	BF189	Active	ENTRY PT/SOURCE	GW Source	01/01/1956	Sand and Gravel	126	66	40
3	EM WELL 3 Eastman	BF190	Active	ENTRY PT/SOURCE	GW Source	11/01/1964	Sandstone/Dolomite	943	311.5	
5	EM WELL 5 Cass	BF192	Active	ENTRY PT/SOURCE	GW Source	01/07/1937	Sandstone/Dolomite	918	310.9	
6	EM WELL 6 Mason	BF193	Active	ENTRY PT/SOURCE	GW Source	01/01/1932	Sandstone/Dolomite	905	198	100
7	EM WELL 7 Seventh	BF194	Active	ENTRY PT/SOURCE	GW Source	01/01/1953	Sandstone/Dolomite	860	250.5	250.5

ID	Name	WUWN	Status	Type	Source	Date Constructed	Water Bearing Formation	Depth	Cased	Grouted
8	EM WELL 8 Highland	BF195	Active	ENTRY PT/SOURCE	GW Source	01/01/1952	Sandstone/Dolomite	777	235	235
9	EM WELL 9 Bond	BF196	Active	ENTRY PT/SOURCE	GW Source	01/06/1948	Sandstone/Dolomite	807	260	260
10	EM WELL 10 Military	BF197	Active	ENTRY PT/SOURCE	GW Source	01/01/1951	Sandstone/Dolomite	815	269.5	269.5
81	LAKE MICHIGAN		Active	ENTRY POINT	Permanent Surface Water Entry Point					

Booster Stations

ID/Location	Type	Firm Pumping Capacity (gpm)	Aux. Power?
BS at St Anthony Drive	ABOVE GROUND	600	No
BS at Ninth St	ABOVE GROUND	2360	No

System Interconnects

ID/Location	Type	Metered?	Chemical Injection Capable?
Interconnection with Ashwaubenon - Mike Vann Park	ABOVE GROUND	Yes	Yes
Interconnection with Ashwaubenon - Shady	ABOVE GROUND	Yes	Yes
Interconnection with Scott – Bay Settlement Road Meter Pit (2005)	BURIED	Yes	No
Interconnection with Scott – Van Lanen Road (2018)	ABOVE GROUND	Yes	Yes
Interconnection with Hobart SA1 - CTH J	ABOVE GROUND	Yes	Yes

Treatment Summary Data

Source ID	Description	Objective(s)	Pump Model	Cap.	Stroke %	Speed %	Sol. Tank Cap.	Comments
1	Gaseous Cl, Pre	Organics	Advance	500 ppd		78		Chlorine injected at the intake structure for zebra mussel control
81	Ozonation, Pre	Organics						
81	Hypochlorination, Pre	Disinfection	Prominent GALa-0713 Prominent GALa-0232	2.9 gph 8.4 gph			2400 480	
81	Rapid Mix	Particulate						
81	Coagulation	In/organics Removal	ProMinent Gamma 5b 0230PP					polyaluminum, hydroxychloride
81	Flocculation	Particulate						
81	Sedimentation	Particulate						
81	Filtration, Rapid Sand	Particulate						
81	Fluoridation	Other	ProMinent gamma/L 420	108 gpd 216 gpd				
81	Hypochlorination, Post	Disinfection	Prominent GALa-0713 Prominent GALa-0232	2.9 gph 8.4 gph			2400 480	

Bacteriological Sampling History

Year	Distribution Safe	Distribution Unsafe	Confirmed Unsafe	Missed Samples	Raw Safe	Raw Unsafe	Fecal Positive?
2026	650				16		N
2025	1199	1			31		N
2024	1212				30		N
2023	1201	1			32		N
2022	1203				32		N
2021	1211	1			32		N

Chemical Sampling History

Year	Sample Group	Source ID	Samples Taken	Missed Samples	MCL Violations
2026	BROMATE	81	7		
2026	DBP		8		
2026	FLUORIDE		7		
2026	PBCU		21		
2026	SOC	81	1		
2026	TOC_FINISHED	81	7		
2025	BROMATE	81	12		
2025	DBP		16		
2025	FLUORIDE		12		
2025	IOC	81	2		
2025	SOC	81	1		
2025	TOC_FINISHED	81	12		
2025	VOC	81	1		
2024	BROMATE	81	16		
2024	DBP		16		
2024	FLUORIDE		12		
2024	IOC	81	1		
2024	TOC_FINISHED	81	13		

Sample Group	Last Sampled
BACTI	2026
BROMATE	2026
DBP	2026
FLUORIDE	2026
HAA5	2009
IOC	2025
NITRATE	2015
PBCU	2026
PBCU_RULE	2021
PFAS	2025
RAD	2020
SOC	2026
TOC_FINISHED	2026
TTHM	2009
VOC	2025

General Reminders – This section is included to serve as a quick reference for some of the more commonly encountered deadlines and code requirements. It is not intended to be all inclusive.

Description	Frequency
1. Cross Connection Inspection Annual Reports	Annually by March 1st
2. Consumer Confidence Report distribution to customers	Annually by June 30 th
3. Consumer Confidence Report and Certification to DNR	Annually by June 30 th
4. DNR posts CCR information on website	Approximately March 1st
5. Electronic Monthly Operational Reports (EMOR)	By 10 th of the following month
6. Customer Notice of Lead and Copper Results in Drinking Water – this informs the customer of levels found	Within 30 days of utility receiving results
7. PBCU customer notice form and certification form to DNR	Within 3 months of monitoring end date
8. Customer Notices for LSL, GRR, and Unknown May Be Lead service lines	Annually by December 31 st or within 30 days of an inventory update
9. Customer notice and certification for LSL/GRR/UNK-LG to DNR	Annually by July 1 st of following year
10. Notify DNR of pressure loss in >25% of system	Within 1 working day
11. Professional storage facility inspection	Every 5 years
12. Professional storage facility inspection involving full drain	Every 10 years
13. Documented general storage facility inspection (hatches, gaskets, vents, overflow and screens)	Annually
14. Auxiliary power exercising (documented in logbook)	Monthly & Quarterly under full load
15. Hydrant exercising	At least every 2 years
16. Distribution system valve exercising	Every 2 to 5 years
17. Well pump – removal, inspection and service	Schedule required (10-year recommended)