

VILLAGE OF EPHRAIM

FOUNDED 1853



Wastewater Committee Agenda

Monday, October 5th, 9:00 AM

Village Hall, 9996 Water Street

NOTE: This Meeting of the Village Wastewater Committee will also be held via teleconferencing. It will be available to the public to attend in person or by computer, phone, tablet, or dial-in. Connection information is included below in this notice.

1. Call to order
2. Changes in Agenda
3. Previous minutes – 9/14/2026
4. Visitors' comments
5. Plant managers' report
6. Discussion regarding old blower # 2 rebuild.
7. Discussion and recommendation regarding 2027 Budget.
8. Discussion and updates regarding REU structure.
9. Visitors' comments
10. New business for next meeting
11. Adjournment

WW Meeting

Oct 5, 2026, 9:00 – 11:00 AM (America/Chicago)

Please join my meeting from your computer, tablet or smartphone.

<https://meet.goto.com/201829485>

You can also dial in using your phone.

Access Code: 201-829-485

United States: [+1 \(571\) 317-3122](tel:+15713173122)

**It is possible that a quorum of the Village Board or other Village Committees may be present at the meeting. However, no action will be taken by any other Board or Committee unless specifically noticed.*

	Date <u>10/2/2026</u>
<u>Andrea Collak, Clerk</u>	<u>X</u> Village Administrative Office
	<u>X</u> Visitors' Center
	<u>X</u> Post Office
<u>Kim Roberts, Deputy Clerk</u>	<u>X</u> Website: ephraim.wi.gov
	<u>X</u> Emailed to WDOR/Peninsula Pulse

VILLAGE OF EPHRAIM

FOUNDED 1853



Wastewater Committee Minutes

Monday, September 21, 2026, 9:00 AM

Present: Karen McMurtry- Chair, Bruce Nelson, Jim Peterman

Online: Dennis Jewell, Rick Hoyerman

Staff: Brad Rasmusson – Wastewater Manager/Operator in Charge, Brent Bristol – Administrator, Andrea Collak – Clerk/Treasurer

1. **Call to order:** The meeting was called to order by Chair - McMurtry and a quorum was present for this meeting.
2. **Changes in Agenda:** None
3. **Previous minutes – Minutes from August 3, 2026**

Peterman moved, Nelson seconded to approve August 3, 2026, meeting minutes as amended, all ayes, and the motion carried.

Nelson pointed out spelling errors in item #7 and wording changes in paragraph 4 of item #7.

4. **Visitors' comments:** None

5. Ephraim Plant Manager Report:

EFF samples sent to Northern Lake Services for ammonia testing:

Ph testing: Five times per week as required.

TSS, BOD, Po4, labs with lab cleanup: Twice per week as required.

Eff E-coli test, this must be done May-October once per week while running disinfection.

- Painted metal service doors and trim on plant and electrical boxes on receiving station.
- Replaced overhead door opener switch for vehicle room.
- Purchased 4 new suction hoses for the pumper truck.
- Worked on landscaping around plant and receiving station.
- New roof was installed on receiving station by Northern Metal Roofing, they will be coming back to finish the metal flashing and roof drains.
- Received a quote for the rebuild of blower #2.
- Working on getting quotes for north end manhole repairs and main lift.

Ephraim Well Water Testing: Year to Date

Number of Water Tests:	93
In-House Bacteria:	82
Clean Water Testing:	11

Ephraim Septage Service: Year to Date

Holding Tank Pump Outs:	12
Septic Pump Outs/Inspections:	5
Emergency Call Ins:	16

Rasmusson noted that CMOM report was finalized and sent to Department of Natural Resources (DNR) for approval. DNR approved the report and is planning on using it as an example for others. Deputy Clerk - Kim Roberts was commended for completing the report.

Rasmusson praised Roberts for the hard work and dedication she put into this task.

6. Discussion and recommendation regarding 10235 Water St sewer connection

Rasmusson reported that the reason for the connection permit for 10235 Water Street is that the property lines were moved since the first permit in 2024. They now need to cross the highway and make a new connection which will involve closing the highway and making the new connection to the gravity main that is near lift #2 force main.

Rasmusson added that he requested that they have pipes and repair couplings on-site just in case the force main gets struck during the process. DeGroot will be doing the work.

McMurtry moved, Nelson seconded to approve sewer connection for 10235 Water Street, all ayes, and the motion carried.

7. Discussion and consideration for 2027 Budget

- Accounts 57401-100 through 57401-105 Rasmusson added the same percentage increases from the year before.
- 57401-211 Property Insurance was raised by \$32.72 to make an even \$8,200.
- 57401-306 Phone was put back to \$2,500 and can even be lowered due to switching to Cellcom.
- 57401-309 Internet was lowered by \$300 as Starlink lowered prices a little.
- 57401-311 Vehicle Maintenance was raised by \$500. The WW F-350 has some rust that should be delt with before it gets worse.
- 57401-320 Training/Conferences lowered to \$1,500 to help the budget in other areas.
- 57401-337 Auditing Expenses. Rasmusson would like to raise this account by \$400 based on previous years and amount already paid for this year.
- 57401-340 Vehicle Insurance was raised by \$1.41 to make an even number.
- 57402-210 Other Contractual Services account was raised by \$1,000 because of the increased permit required PFAS testing.
- 57401-389 Safety Expenses. This account was not changed because the gas detectors were not purchased yet. Bristol suggested purchasing the gas detectors this year rather than budgeting for them again next year.
- 57403-303 Electricity, which also includes fuel for back-up generator. Rasmusson would like to raise the account by \$2,000 based on previous years.
- 57403-384 Collection System Maintenance. Lowered by \$3,000 because there will be a new account Collection System Inspections for sewer main camera work.

- 57403-383 Collection System Inspections. This is a new account created for sewer televising. WW have used the remainder of the Collection System Maintenance budget for this work in the past but has not been making the recommended 20% or 7,300 feet by the DNR.

Price is \$0.620 per foot x 7,300 feet = \$4,526.00 + \$850.00 Mobilization = \$5,376.00. Thus, the new account was set to \$5,400.00

Billing

Most of the accounts are multiplied by 7% per auditor's recommendations and then rounded to the closest figure.

The water testing cost was left at \$30. Rasmusson noted that enough profit is made at the current rate.

There was a short discussion regarding \$60,000 budgeted for Other Improvement Outlay (Manhole Rehabilitation) 57403-830 and no amount budgeted for Equipment Outlay (Money to Replacement Fund). Bristol suggested moving \$50,000 out of that amount to Equipment Outlay if only one manhole will be restored next year and leaving \$10,000 to fix the manhole.

Consensus of the Committee was to re-visit and finalize the 2027 budget at the next meeting.

8. Visitors' comments: None

9. New business for the next meeting:

Finalizing the 2027 budget, update on REUs, and discussion and consideration regarding blower #2.

The next meeting was set for **October 5, 2026.**

9. Adjournment

McMurtry moved, Nelson seconded to adjourn the meeting, all ayes, and the motion carried.
--

Recorded by

Andrea Collak - Clerk/Treasurer



October 5th, 2026
Ephraim WW, WWT, SS
Manager OIC Report

EFF samples sent to Northern Lake Services for ammonia testing:

Ph testing: Five times per week as required.

TSS, BOD, Po4, labs with lab cleanup: Twice per week as required.

Eff E-coli test, this must be done May-October once per week while running disinfection.

- Changed air filter on lift 2 generator
- Met with two gas detector salesmen.
- Finished all the septic inspections currently on the list.
- Made our own crust buster for agitating septic tanks.

Ephraim Well Water Testing

Year to Date

In-House Bacteria:	133	944
Clean Water Testing:	36	139
Total water test:	169	1083

Ephraim Septage Service:

Holding Tank Pump Outs: 10 61

Septic Pump Outs / Inspections: 6 23

Emergency Call Ins:

Weather:

Precip:	2.13	25.12
Max Temp:	83	89
Min Temp:	46	-17

Respectfully submitted,

Brad Rasmusson

Village of Ephraim
Wastewater Manager

Quote 154546

Buyer: ||
Date: 2026-08-10



VACUUM, PUMP &
COMPRESSOR, INC.

From	VACUUM, PUMP, & COMPRESSOR INC. 907 N. MILITARY AVE GREEN BAY WI 54303	Bill To	EPHRAIM WASTEWATER TREATMENT P WASTEWATER TREATMENT PLANT PO BOX 138 EPHRAIM, WI 54211 UNITED STATES	Ship To	EPHRAIM WASTEWATER TREATMENT P WASTEWATER TREATMENT PLANT 10285 TOWNLINE DRIVE EPHRAIM, WI 54211 UNITED STATES
Order Type	Scheduled	FOB/Incoterms	S - Shipment	Terms	Net 30
P.O. #	BRAD	Ship Type	Partial	Ship Via	Service
Carrier Account #		Tool/Asset ID		Customer Drawing Approval	No

#	Part #	Cust Part #	Qty	Unit Price	Ext. Price
1	REPAIRBLOWER		1	\$4,960.00	\$4,960.00
Description: REPAIR OF BLOWER					
Line Comment: REPAIR OF GAFMBPA S/N S142639- REPAIR INCLUDES BEARING, LIP SEALS, SHIMS, GASKETS, MACHINING TO RESTORE BEARING FIT ON HEADPLATE, LABOR, PAINT					
Freight:					\$0.00
Tax:					\$0.00
Total:					\$4,960.00

Items quoted as 'stock' are subject to prior sale. All prices subject to change without notice.
This quote is valid for 30 days unless otherwise stated.
All sales are subject to the standard terms and conditions of sale for VACUUM, PUMP, & COMPRESSOR INC..

Invoice 154462.1-1

Invoice Date: 07/17/26

Due Date: 08/16/26



VACUUM, PUMP &
COMPRESSOR, INC.

BILL TO

EPHRAIM WASTEWATER TREATMENT P
WASTEWATER TREATMENT PLANT
PO BOX 138
EPHRAIM, WI 54211

SHIP TO

EPHRAIM WASTEWATER TREATMENT P
WASTEWATER TREATMENT PLANT
10285 TOWNLINE DRIVE
EPHRAIM, WI 54211

REMIT TO

VACUUM, PUMP, & COMPRESSOR INC.
907 N. MILITARY AVE
GREEN BAY WI 54303

P.O. # BRAD RASMUSAN

FOB/Incoterms S - Shipment

Terms Net 30

Ship Via Service

Carrier Account #

#	Part #	Qty Shipped	Qty Ordered	Qty Open	Unit Price	Ext. Price
1	GAFMBTA	1	1	0	\$8,584.00	\$8,584.00
Description: SUTORBILT BLOWER;6MP BHC						
Line Comment: S/N S751276						
2	SERVICE	8	8	0	\$159.00	\$1,272.00
Description: SERVICE;						
Line Comment: REMOVE FAILED BLOWER, INSTALL NEW. RETURN TO VPC WITH FAILED FOR REPAIR EVALUATION						
3	SERVICE	8	8	0	\$159.00	\$1,272.00
Description: SERVICE;						
4	MILEAGE	160	160	0	\$1.20	\$192.00
Description: MILEAGE;						
5	BX90	4	4	0	\$0.00	\$0.00
Description: BX90 V-BELT;						
6	VPC-SBL-XD-1GAL	1	1	0	\$98.43	\$98.43
Description: LUBRICANT VPC-SBL-XD;1 GALLON JUG						
7	REDRUB6	1	1	0	\$5.00	\$5.00
Description: 6" RED RUBBER;FLANGE GASKET						
Comments:					Freight:	\$136.98
Thank you for your business.					Tax:	\$0.00
					Total:	\$11,560.41

Thank you for your business.

Please email ACH remittances to brandi@vpc-inc.com

2027 Village of Ephraim Budget

Activity Description	Code	Description	Item. Breakdown						2022	2023	2024	2025	2026	Proposed 2027 Budget	Increase (Decrease)	2026 as of 8/31/2026	2025 Actual	2024 Actual	2023 Actual	2022 Actual
	610-30	INCOME																		
Wastewater Fund	41900	Misc Nonoperating Income/Tax							\$ 128,059	\$ 128,059.00	\$ 128,059.00	\$ 128,059.00	\$ 131,120.00	\$ -	\$ (131,120.00)	\$ 131,120.66	\$ 128,059.00	\$ 128,059.00	\$ 128,138.93	\$ 128,059.00
Wastewater Fund	46410	Sewer Charges							\$ 333,000	\$ 352,027.00	\$ 376,669.00	\$ 403,035.00	\$ 460,308.00	\$ 492,529.56	\$ 32,221.56	\$ 230,754.00	\$ 417,141.92	\$ 376,847.28	\$ 352,027.52	\$ 249,352.00
Wastewater Fund	46411	Holding Tank/Septic Charges							\$ 24,000	\$ 24,000.00	\$ 24,000.00	\$ 24,000.00	\$ 24,000.00	\$ 24,000.00	\$ -	\$ 17,900.84	\$ 64,751.16	\$ 26,989.39	\$ 20,014.11	\$ 15,770.00
Wastewater Fund	44900	Connect/HT Permit Fees							\$ -	\$ -					\$ -	\$ 14,157.00	\$ 3,900.00	\$ 19,500.00	\$ -	\$ -
Wastewater Fund	45190	0.045 Late Charge - Sewered Cus							\$ 1,500	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ -	\$ 111.39	\$ 113.49	\$ 134.99	\$ 129.65	\$ -
Wastewater Fund	46730	Misc Rentals/Services	Grinder pump outs						\$ 1,000	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wastewater Fund	48410	Water Test Labor Income	Pd from wellwater testing						\$ 9,000	\$ 9,000.00	\$ 9,000.00	\$ 9,000.00	\$ 12,000.00	\$ 12,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,000.00
Wastewater Fund	48400	Misc Income/Lawsuit Settlement	Inc. Interst on Investments						\$ 1,400	\$ 1,400.00	\$ 1,400.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ -	\$ -	\$ 24,117.51	\$ 31,485.06	\$ 7,025.00	\$ 4,724.00
Wastewater Fund	49200	Transfers In - Other Funds - Wastewater							\$ 3,500	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00	\$ -	\$ -	\$ -			
		Total Revenue							\$ 501,459	\$ 520,486.00	\$ 545,128.00	\$ 590,094.00	\$ 653,428.00	\$ 554,529.56	\$ (98,898.44)	\$ 394,043.89	\$ 638,083.08	\$ 583,015.72	\$ 532,893.96	\$ 406,905.00
		Total Revenue O&M							\$ 373,400	\$ 392,427.00	\$ 417,069.00	\$ 462,035.00	\$ 522,308.00	\$ 554,529.56	\$ 32,221.56					
															\$ -					
	610-30-	EXPENSE													\$ -					
Wastewater Admin	57401-100	Salaries							\$ 130,050	\$ 146,855.53	\$ 148,201.38	\$ 157,354.92	\$ 167,576.70	\$ 177,631.30	\$ 10,054.60	\$ 119,074.31	\$ 166,167.02	\$ 162,985.24	\$ 159,383.20	\$ 143,163.72
Wastewater Admin	57401-101	SS/Med							\$ 9,949	\$ 11,234.45	\$ 11,337.41	\$ 12,037.65	\$ 12,475.37	\$ 12,600.12	\$ 124.75	\$ 8,835.39	\$ 11,595.92	\$ 11,117.37	\$ 11,241.87	\$ 10,909.34
Wastewater Admin	57401-102	Retirement							\$ 8,778	\$ 9,986.18	\$ 10,077.69	\$ 10,700.13	\$ 11,089.22	\$ 11,200.11	\$ 110.89	\$ 8,432.59	\$ 11,597.97	\$ 11,197.05	\$ 10,573.98	\$ 8,942.77
Wastewater Admin	57401-103	Health Insurance							\$ 37,780	\$ 39,883.76	\$ 41,140.31	\$ 43,986.72	\$ 45,031.78	\$ 45,482.10	\$ 450.32	\$ 26,265.17	\$ 44,316.63	\$ 45,236.50	\$ 42,019.67	\$ 37,712.45
Wastewater Admin	57401-104	Disability Insurance							\$ 2,000	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ -	\$ 1,037.33	\$ 1,778.28	\$ 1,778.28	\$ 2,043.62	\$ 1,766.60
Wastewater Admin	57401-105	Workers Compensation							\$ 8,414	\$ 9,610.63	\$ 9,024.86	\$ 4,690.85	\$ 4,853.47	\$ 4,902.00	\$ 48.53	\$ 2,867.00	\$ 4,865.00	\$ 4,992.80	\$ 9,711.00	\$ 9,063.00
Wastewater Admin	57401-107	Supplemental Insurance							\$ -	\$ -			\$ -		\$ -		\$ -			\$ -
Wastewater Admin	57401-109	Overtime Wages							\$ -	\$ -			\$ -		\$ -		\$ -			\$ -
Wastewater Admin	57401-110	Personnel Services							\$ -	\$ -			\$ -		\$ -		\$ -			\$ -
Wastewater Admin	57401-210	Legal Fees							\$ 1,000	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wastewater Admin	57401-211	Property Insurance							\$ 3,941	\$ 6,800.00	\$ 7,468.66	\$ 7,500.00	\$ 8,167.28	\$ 8,200.00	\$ 32.72	\$ 8,139.00	\$ 7,963.00	\$ 7,334.00	\$ 6,832.00	\$ 6,286.75
Wastewater Admin	57401-306	Phone							\$ 3,000	\$ 3,000.00	\$ 3,600.00	\$ 4,000.00	\$ 2,500.00	\$ 500.00	\$ (2,000.00)	\$ 3,663.60	\$ 5,423.25	\$ 5,107.70	\$ 4,059.90	\$ 3,432.88
Wastewater Admin	57401-309	Internet							\$ -	\$ -			\$ 1,500.00	\$ 1,200.00	\$ (300.00)	\$ 562.50	\$ 330.00	\$ -		\$ -
Wastewater Admin	57401-310	Vehicle Fuel	All three vehicles						\$ 1,500	\$ 1,500.00	\$ 2,500.00	\$ 2,500.00	\$ 3,000.00	\$ 3,000.00	\$ -	\$ 1,580.72	\$ 1,764.20	\$ 2,806.20	\$ 2,751.38	\$ 3,226.73
Wastewater Admin	57401-311	Vehicle Maintenance	Inc. Pumper Truck Maint						\$ 4,500	\$ 4,500.00	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00	\$ 4,500.00	\$ 500.00	\$ 2,132.10	\$ 5,842.54	\$ 4,053.28	\$ 3,980.65	\$ 2,980.05
Wastewater Admin	57401-312	Cellphones							\$ 600	\$ 600.00	\$ 600.00	\$ 600.00	\$ 1,000.00	\$ 1,000.00	\$ -	\$ 758.07	\$ 1,172.68	\$ 1,299.34	\$ 1,295.25	\$ 540.00
Wastewater Admin	57401-320	Training/Conferences							\$ 4,000	\$ 4,000.00	\$ 8,000.00	\$ 4,000.00	\$ 4,000.00	\$ 2,500.00	\$ (1,500.00)	\$ 726.09	\$ 383.52	\$ 6,799.95	\$ 1,027.69	\$ 1,744.83
Wastewater Admin	57401-331	Postage							\$ 500	\$ 500.00	\$ 500.00	\$ 500.00	\$ 400.00	\$ 400.00	\$ -	\$ 2.00	\$ -	\$ 84.35	\$ 9.90	\$ 246.33
Wastewater Admin	57401-333	Office Supplies/Expenses							\$ -	\$ -	\$ 250.00	\$ 250.00	\$ 250.00	\$ 250.00	\$ -	\$ 221.00	\$ 78.26	\$ 77.50	\$ 58.40	\$ 449.00
Wastewater Admin	57401-334	Computer Supplies/Expenses	3825						\$ 2,000	\$ 2,000.00	\$ 1,500.00	\$ 1,500.00	\$ 2,000.00	\$ 2,000.00	\$ -	\$ 1,026.83	\$ 4,874.15	\$ 1,776.15	\$ 1,275.01	\$ 158.40
Wastewater Admin	57401-335	Professional Dues/Expenses							\$ 4,000	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00	\$ -	\$ 3,064.44	\$ 1,178.67	\$ 2,436.57	\$ 5,227.53	\$ 2,726.37
Wastewater Admin	57401-337	Auditing Expenses							\$ 6,500	\$ 6,500.00	\$ 5,000.00	\$ 6,500.00	\$ 6,900.00	\$ 6,900.00	\$ -	\$ 6,005.74	\$ 6,797.40	\$ 6,358.08	\$ 7,860.00	\$ 4,138.37
Wastewater Admin	57401-340	Vehicle Insurance							\$ 1,500	\$ 1,572.89	\$ 1,620.35	\$ 1,620.35	\$ 1,698.59	\$ 1,700.00	\$ 1.41	\$ 1,221.00	\$ 1,520.00	\$ 1,430.28	\$ 1,594.00	\$ 1,560.00
Wastewater Admin	57401-343	Contingency							\$ 1,500	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,000.00	\$ 1,000.00	\$ -	\$ 360.66	\$ 186.27	\$ 140.88	\$ 232.77	\$ 201.98
Wastewater Admin	57401-344	Uniforms							\$ 450	\$ 450.00	\$ 450.00	\$ 450.00	\$ 450.00	\$ 450.00	\$ -	\$ 157.76	\$ 214.11	\$ -	\$ 209.57	\$ 111.15
Wastewater Admin	57401-387	Grounds Maintenance							\$ 500	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ -	\$ 156.93	\$ 39,295.34	\$ 480.32	\$ 605.89	\$ 324.62
Wastewater Admin	57401-389	Safety Expenses							\$ 1,000	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 4,000.00	\$ 4,000.00	\$ -	\$ 421.41	\$ 488.57	\$ 935.79	\$ 1,899.12	\$ 1,002.09
Wastewater Operatio	57402-210	Other Contractual Services							\$ 2,000	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 3,000.00	\$ 1,000.00	\$ 2,727.36	\$ 1,120.82	\$ (3,029.00)	\$ 4,034.25	\$ 2,151.49

Wastewater (610-30)

2027 Village of Ephraim Budget

Activity Description	Code	Description	Item. Breakdown						2022	2023	2024	2025	2026	Proposed 2027 Budget	Increase (Decrease)	2026 as of 8/31/2026	2025 Actual	2024 Actual	2023 Actual	2022 Actual
Wastewater Operatio	57402-303	Electricity / Generator fuel	Inc. Backup Generator Fuel						\$ 24,000	\$ 24,000.00	\$ 27,000.00	\$ 30,000.00	\$ 30,000.00	\$ 32,000.00	\$ 2,000.00	\$ 18,592.08	\$ 31,090.38	\$ 27,001.75	\$ 30,214.63	\$ 25,152.20
Wastewater Operatio	57402-304	LP Gas							\$ 3,000	\$ 3,000.00	\$ 1,500.00	\$ 2,500.00	\$ 2,500.00	\$ 3,000.00	\$ 500.00	\$ 2,841.85	\$ 2,968.83	\$ 27,001.75	\$ 2,707.00	\$ 438.09
Wastewater Operatio	57402-351	Hardware/Tools	Inc. Other Operating Supplies						\$ 1,300	\$ 1,300.00	\$ 1,300.00	\$ 1,300.00	\$ 1,300.00	\$ 1,300.00	\$ -	\$ 657.92	\$ 945.02	\$ 856.28	\$ 1,512.14	\$ 402.48
Wastewater Operatio	57402-380	Chemicals Plant							\$ 8,000	\$ 8,000.00	\$ 9,000.00	\$ 9,500.00	\$ 9,500.00	\$ 9,500.00	\$ -	\$ 4,325.32	\$ 8,437.09	\$ 8,071.96	\$ 8,342.44	\$ 13,510.21
Wastewater Operatio	57402-381	Chemicals Lab							\$ 2,000	\$ 2,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ -	\$ 1,206.41	\$ 2,831.92	\$ 1,894.83	\$ 1,695.02	\$ 3,048.88
Wastewater Operatio	57402-382	Lab Equipment & Repair							\$ 2,000	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ -	\$ 2,794.43	\$ 1,170.24	\$ 5,474.09	\$ 1,958.35	\$ 797.00
Wastewater Operatio	57402-383	Sludge Expense							\$ 12,000	\$ 16,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ -	\$ 10,133.61	\$ 21,110.77	\$ 26,448.70	\$ 16,210.83	\$ 18,660.71
Wastewater Operatio	57402-385	Plant Equipment & Repair							\$ 7,500	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ -	\$ 4,561.42	\$ 8,467.85	\$ 17,095.10	\$ 8,413.71	\$ 17,159.29
Wastewater Operatio	57402-386	Odor Control							\$ 2,600	\$ 2,600.00	\$ 2,600.00	\$ 2,600.00	\$ 2,600.00	\$ 2,600.00	\$ -	\$ 209.90	\$ 80.00	\$ 4,233.31	\$ 1,696.31	\$ 1,350.47
Wastewater Operatio	57402-390	UV Plant Disinfection							\$ 4,500	\$ 4,500.00	\$ 4,500.00	\$ 4,500.00	\$ 4,500.00	\$ 4,000.00	\$ (500.00)	\$ -	\$ -	\$ 3,698.40	\$ 49.76	\$ -
Wastewater Operatio	57402-810	Equipment Outlay	Plant Improvememts						\$ 7,500	\$ 7,500.00	\$ 7,500.00	\$ 7,500.00	\$ 7,500.00	\$ 7,500.00	\$ -	\$ -	\$ 800.02	\$ 20,807.20	\$ 14,730.00	\$ 1,780.00
Wastewater Collectio	57403-303	Electricity	Inc. Backup Generator Fuel						\$ 7,200	\$ 7,200.00	\$ 7,200.00	\$ 7,200.00	\$ 7,500.00	\$ 8,000.00	\$ 500.00	\$ 5,710.25	\$ 8,534.42	\$ 7,500.35	\$ 7,238.72	\$ 7,363.76
Wastewater Collectio	57403-304	LP Gas Lift 1 generator							\$ 800	\$ 800.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ -	\$ 80.10	\$ -	\$ -	\$ -	\$ 1,620.62
Wastewater Collectio	57403-383	Collection System Inspections	New account for televising											\$ 5,400.00	\$ 5,400.00					
Wastewater Collectio	57403-384	Collection System Maint							\$ 7,500	\$ 7,500.00	\$ 12,500.00	\$ 12,500.00	\$ 13,000.00	\$ 10,000.00	\$ (3,000.00)	\$ 13,414.10	\$ 11,982.52	\$ 11,926.08	\$ 20,937.38	\$ 53,507.37
Wastewater Collectio	57403-810	Equipment Outlay							\$ -	\$ -			\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wastewater Collectio	57403-830	Other Improvement Outlay	Manhole rehab						\$ -	\$ -			\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wastewater Replacen	57404-810	Equipment Outlay	Money to Replacement Fund						\$ 48,037	\$ 35,033.56	\$ 10,698.33	\$ 73,712.18	\$ 116,515.60	\$ 135,313.93	\$ 18,798.33	\$ 52,345.50	\$ 10,700.48	\$ 10,098.74	\$ 890.00	\$ 4,043.56
Wastewater Replacen	57404-820	Bldg Improvement Outlay							\$ -	\$ -			\$ -		\$ -			\$ -	\$ -	\$ 1,303.83
Wastewater Replacen	57404-830	Other Improvement Outlay							\$ -	\$ -			\$ -		\$ -		\$ -	\$ -	\$ 113.36	\$ -
															\$ -					
		Total Expense							\$ 373,400	\$ 392,427.00	\$ 387,068.99	\$ 461,502.80	\$ 522,308.01	\$ 554,529.56	\$ 32,221.55	\$ 316,312	\$ 428,073	\$ 447,507	\$ 394,636	\$ 392,977
			Subtotal without replacemet:						\$ 373,400	\$ 392,427.00										
										\$ 357,393.44										

2027 Budget Notes

- Accounts 57401-100 through 57401-105 I added the same percentage increases from the year before.
- 57401–211 property insurance raised \$32.72 to make an even \$8,200.
- 57401–306 phone lowered to \$500 because new cellcom landline is less than \$40 per month.
- 57401–309 Internet lowered \$300 Starlink lowered prices a little.
- 57401-311 Vehicle Maintenance raised \$500 the 1 ton has some rust that should be delt with before it gets worse.
- 57401-320 Training / Conferences lowered \$1,500 to help the budget in other areas.
- 57401–337 auditing expenses raise this account \$400 based off previous years and amount already paid for this year.
- 57401–340 vehicle insurance raised \$1.41 to make an even number.
- 57402-210 Other contractual services raised \$ 1,000 because of the increased permit required PFAS testing.
- 57401–389 safety expenses did not change this account because we haven't purchased gas detectors yet.
- 57403–303 electricity, which also includes fuel for back up generator raise the account \$2,000 based off previous years.
- 57403–384 collection system maintenance. Lowered \$3000 because the new account for sewer main camera work.
- 57403-383 Collection System Inspections this is a new account created for sewer televising. We have used the remainder of the collection maintenance budget for this work in the past, but we are not making the recommended by the DNR 20% or 7,300 feet. Price is \$0.620 per foot X 7300 feet = \$4,526.00 + \$850.00 Mobilization = \$5,376.00 set the new account to \$5,400.00

Billing

Most of the accounts are multiplied by 7% per the accountant's recommendations Then rounded to a close figure.

The water testing cost we left alone looks to be making enough profit at the current rate. Our cost is \$12.39 per bacti test.

Account	2024	2025	2026	X 7%	2026 x 7%	X 10%	2026 X 10%	Suggested 2027
Municipal Sewer Rates	\$124.00	\$136.00	\$150.00	\$10.50	\$160.50	\$15.00	\$165.00	\$160.50
Resident pump out	\$101.00	\$111.00	\$122.00	\$8.54	\$130.54	\$12.20	\$134.20	\$130.50
Weekend emergency HT pump out	\$233.00	\$156.00	\$122.00	\$8.54	\$130.54	\$12.20	\$134.20	\$130.50
Septic system inspection	\$132.00	\$145.00	\$160.00	\$11.20	\$171.20	\$16.00	\$176.00	\$170.00
Truck Charge	\$132.00	\$145.00	\$160.00	\$11.20	\$171.20	\$16.00	\$176.00	\$170.00
Grinder Station pump out	\$158.00	\$174.00	\$191.00	\$13.37	\$204.37	\$19.10	\$210.10	\$200.00
Grinder pump out after hours	\$315.00	\$347.00	\$382.00	\$26.74	\$408.74	\$38.20	\$420.20	\$400.00
Location/ excavation fee	\$105.00	\$250.00	\$275.00	\$19.25	\$294.25	\$27.50	\$302.50	\$295.00
3 year septic inspection 11-1 to 4-1	\$208.00	\$229.00	\$252.00	\$17.64	\$269.64	\$25.20	\$277.20	\$270.00
Hauler Holding Tank per 1000 Gal	\$18.00	\$20.00	\$22.00	\$1.54	\$23.54	\$2.20	\$24.20	\$23.50
Hauler Septic per 1000 Gal	\$127.00	\$150.00	\$165.00	\$11.55	\$176.55	\$16.50	\$181.50	\$175.00
Hauler discount 10000+ gal 11-1 to 4-1	\$16.00	\$18.00	\$20.00	\$1.40	\$21.40	\$2.00	\$22.00	\$21.50
Water Test Bacti in house	\$30.00	\$30.00	\$30.00	\$2.10	\$32.10	\$3.00	\$33.00	\$30.00
Water test copies	\$15.00	\$15.00	\$15.00	\$1.05	\$16.05	\$1.50	\$16.50	\$15.00
Scheduled emergency water test	\$150.00	\$150.00	\$150.00	\$10.50	\$160.50	\$15.00	\$165.00	\$150.00
Nitrate test sent out	\$60.00	\$60.00	\$60.00	\$4.20	\$64.20	\$6.00	\$66.00	\$60.00
Storm sewer connection	\$120.00	\$132.00	\$150.00	\$10.50	\$160.50	\$15.00	\$165.00	\$160.50
Sani sewer connection	\$3,900.00	\$4,290.00	\$4,719.00	\$330.33	\$5,049.33	\$471.90	\$5,190.90	\$5,050.00

Commercial REUS based on Property Use Types	REU FACTOR	REF CODE
AMUSEMENT PROPERTIES (Useable area)	0.20/1,000 SQ FT	
APARTMENT BUILDING	factor/UNIT <i>dependent on # of bedrooms</i>	
CHURCHES	0.45/1,000 SQ FT	
FIRE STATIONS (VOLUNTEER)	1.0/ PREMISE	
GOVERNMENT OFFICE	0.40/1,000 SQ FT	
Food Service - Restaurant (Tier 1)		
<i>Bakery, Coffee Shop, and all other food service</i>	1.6/1,000 SQ FT	
Food Service - Restaurant (Tier 3) (FS3)		
<i>Full Service Restaurant</i>	2.0/1,000 SQ FT	
FOOD TRUCK - FACTOR FOR BATHROOM ACCESS IN PARKED SPACE	0.10/100 SQ FT (Impact fee-placeholder)	
Commercial Transient Lodging (based on beds/bedrooms)		
1 BED/BEDROOM UNITS - NO KITCHENETTE	0.50/ROOM	
2+ NO KITCHENETTE	0.60/ROOM	
1-BED/BEDROOM W/KITCHENETTE	0.70/ROOM	
2+ BED/BEDROOM W/KITCHENETTE	0.80/ROOM	
1-BED/BEDROOM UNITS W/KITCHEN	0.95/ROOM	
2+ BED/BEDROOM UNITS W/KITCHEN	1.2/ROOM	
Commercial Transient Lodging: Jacuzzi, spa, or hot tub, each	1.0/EACH	
Commercial Transient Lodging: In room Jacuzzi, spa, jetted tub, or whirlpool, each	.25/EACH	
Commercial Transient Lodging: Swimming Pool (indoor)	0.5/EACH	
Commercial Transient Lodging: Coin Laundry	.53/WASHING MACHINE	
AII COMMERCIAL: ONSITE LAUNDRY	1.56/WASHING MACHINE	
ALL COMMERCIAL: ONSITE KITCHEN	0.26/ 100 SQ FT	
ALL COMMERCIAL: ADDITIONAL PUBLIC BATHROOMS	? (placeholder)	
ALL COMMERCIAL: SHOWER	.27/unit fixture	
RESIDENTIAL HOME /EMPLOYEE HOUSING ON COMMERCIAL PARCEL	<i>Per bedroom, residential rate structure</i>	
MARINAS W/ PUMPOUT	1+0.10/SLIP	
MARINAS WITHOUT PUMPOUT	1+0.05/SLIP	
MULTI USE	APPLICATION OF THE SUMMATION OF ALL APPLICABLE USE FACTORS	
OFFICE SPACE	0.5/1,000 SQ FT	
RETAIL SPACE	0.55/1,000 SQ FT	
SPA	1.5/1,000 SQ FT	

Commercial Rate Structure Narrative

Why a separate rate structure for Commercial Customers?

A commercial rate structure ensures cost recovery proportional to wastewater volume and strength from commercial customers.

What was the starting point for the Commercial Rate Structure?

0.5 REU/1,000-1,500 square feet was used as a starting point, although research shows many utilities use 1.0 REU/1,000 square feet as a baseline starting point. This starting point is relatively low for high-demand uses but more applicable for **low-flow commercial uses** such as offices and retail. However, there are some property uses, such as Commercial Transient Lodging, where square footage was not utilized, and a per-unit approach was used.

Why do utilities use the REU/ Square footage method?

- **Consistency:** Provides a uniform way to size sewer infrastructure and bill customers based on building size rather than variable fixture counts.
- **Fairness:** Ensures that larger commercial buildings pay proportionally more for sewer capacity.
- **Simplicity:** Easy to apply without detailed flow data or meters.

What square footage is used in the calculation?

Where square footage is used in the calculation of REUs, it shall mean the entire square footage inside the building used for the business use (including storage) as well as any areas outside that contribute to business activities (outdoor dining). In some cases, there is a unit factor for additional items that contribute to discharge within the sewer system, to which that square footage does not apply, such as pools, hot tubs (Jacuzzi, spas, jetted tubs), coin washing machines, showers, commercial transient units, marina slips, and commercial washing machines.

Considerations in adjusting the REU per square foot unit factor:

From the starting point of 0.5/1,000 square feet, factors were adjusted up or down based on averages using data collected from other communities. Consideration is given in the adjustments of factors of higher-strength discharge because it carries higher loads of [BOD](#) (Biochemical Oxygen Demand), TSS (Total Suspended Solids), FOG (Fats, Oils & Grease), and nitrogen than typical domestic waste, requiring extra treatment capacity and cost recovery. Busy commercial businesses often produce these higher loads due to:

- High organic loading from cooking, food prep, and cleaning.
- FOG content from animal fats, oils, and greases.
- Variable flows and concentrations that can upset treatment processes.

Without metering, a commercial sewer rate based on square footage is a cost-effective way to allocate sewer costs fairly. In a review of wastewater ordinances within the State of Wisconsin as well as nationally, this method of assigning REUs for Commercial properties is found to be used widely with municipal sewer systems.

At least three examples were sought for each use REU classification unit factors from other municipalities to create an average to apply to the rate structure. In a few cases, there were not three examples of commercial use rates. Placeholders REU factors were utilized to start a discussion. For all use classifications, any additional uses for a commercial property would be calculated separately and then totaled to create an REU assignment for the property.