

**CITY OF MAYVILLE**

**WATER UTILITY  
&  
WASTEWATER UTILITY**

**April 9, 2024**

The meeting was called to order at 4:00 p.m. by Commissioner Bushke with the following roll call:

Members Present: Commissioners Engel, Pasbrig, and Bushke and Alderperson Lodahl

Members Absent: Alderperson Frings

Others Present: Courtney Steger, Nichole DeBaker, Tim Gutjahr.

**CITIZEN COMMENTS**

Michael Bachhumber of N10103 County Road YY discussed the option of adding sewer and water additions to Tower Drive.

**CONSENT AGENDA**

Motion by Alderperson Lodahl, second by Commissioner Pasbrig to approve the consent agendas for February 6, 2024. Motion passed 4-0.

**DISCUSSION AND POSSIBLE ACTION REGARDING POSSIBLE SEWER AND WATER ADDITIONS TO TOWER DRIVE PARCELS 251-1216-2423-041 AND 251-1216-2423-042.**

Discussion held regarding sewer and water additions.

No Action taken, will do more research.

**WATER REPORT**

- We had a main break on Dayton St on 2/14. Pumpage indicates it had been leaking directly to storm for a few weeks and steadily increasing. DPW had found the excess in the storm and we were able to pinpoint the location from there.
- We've completed about 100 meter changes to date this year.
- In speaking with USG, we've been able to get 2023 well maintenance work orders and are in the process of completing the maintenance items. Iron filter contracts will be next.
- The PSC has issued initial rate case preliminary numbers for review.
- Town & Country Engineering had started surveying the remainder of the well buildings for rehabilitation.
- Approvals for tower painting have gone to the DNR for review. We continue to work with Dodge County to ensure 911 operations continue smoothly and they are taking full advantage of this opportunity to modify and update equipment.
- We had a backwash pipe split at well 3. Valving contributing to this line does not work either to keep it from running. We are looking at temporary welding options currently rather than extremely costly pipe replacement.
- Well 4 progress will be slow until mid-April awaiting shipments.
- The annual PSC report and audit preparations are currently underway.

**WASTEWATER REPORT**

- Make Up Air units continue to fail throughout the plant. We are working with Trane and MSA for cost effective solutions in the interim for repairs.
- The land use agreement proceeding approved by this commission will go to Common Council on 3/11/24 at 7 p.m.
- We received a notice of noncompliance for chlorides from the DNR. Slightly high chloride results from snow melt in January contributed to this. We are working with a large industry as well to meet these numbers June- September.
- The Ram/plow combo was delivered from Ewald and auction items have been sent to WI Surplus for partial funding. This auction is currently live.
- We have a new Mayville High student in a work study program. Our current students will be making their way to the workforce and college. We've had a significant amount of interest in the field and

work study program since collaborating with the high school. We meet 3/25 to discuss becoming a continuous career partner with high school and work study program.

- Today we met with MSA for a 30% design completion meeting. We expect a full plan set at the end of July and bidding in fall of 2024. In the meantime, we plan to make site visits to other plants for product demonstrations and opinions from operators.

**ADJOURNMENT**

Motion by Commissioner Pasbrig, second by Alderperson Lodahl to adjourn at 4:55 p.m. Motion passed unanimously.

Nichole DeBaker, Utility Accountant

Vendor Name	Description	Invoice Number	Invoice Date	Amount Paid	Voided
<b>61-17005-00-000-183 PRELIMINARY SURVEY</b>					
MSA PROFESSIONAL SERVICES IN	FACILITIES PLANNING	R00052025.00	02/28/2024	57,535.37	
Total 61-17005-00-000-183 PRELIMINARY SURVEY:				57,535.37	
<b>61-53610-65-314-840 BILL/COLLECT/ACCT-SUPPLIES OFF</b>					
MULTI MEDIA CHANNELS LLC	WATER AGENDA	185861	02/26/2024	14.56	
Total 61-53610-65-314-840 BILL/COLLECT/ACCT-SUPPLIES OFF:				14.56	
<b>61-53610-66-302-856 MISC GEN MEMBERSHIP DUES</b>					
WISCONSIN DEPT OF NATURAL RE	CC WASTEWATER DNR RENEWAL	DNR RENEWAL 2024	03/01/2024	45.00	
Total 61-53610-66-302-856 MISC GEN MEMBERSHIP DUES:				45.00	
<b>61-53610-66-303-856 MISC GEN REGISTRATION FEES</b>					
CLARK, COREY	REIMBURSEMENT DMV WW	697715224026	01/26/2024	15.30	
Total 61-53610-66-303-856 MISC GEN REGISTRATION FEES:				15.30	
<b>61-53610-66-306-856 MISC GEN TRAVEL EMPLOYEE</b>					
KELLEY, MIKE	TRAVEL REIMBURSEMENT	TRAVEL REIMBURSEM	02/22/2024	42.08	
Total 61-53610-66-306-856 MISC GEN TRAVEL EMPLOYEE:				42.08	
<b>61-53610-66-314-851 OFFICE-SUPPLIES OFFICE</b>					
AMAZON CAPITAL SERVICES	UTILITIES SUPPLIES	13QC-M7RG-64GW	02/26/2024	35.00	
AMAZON CAPITAL SERVICES	UTILITIES SUPPLIES	1PPR-XKHJ-4HW7	02/21/2024	10.36	
Total 61-53610-66-314-851 OFFICE-SUPPLIES OFFICE:				45.36	
<b>61-53610-66-317-852 OUTSIDE SERV OTH PROFESSIONAL</b>					
WISEGUY IT LLC	IT Professional Services	1193	01/15/2024	302.50	
WISEGUY IT LLC	IT Professional Services	1238	01/31/2024	165.00	
WISEGUY IT LLC	IT Professional Services	1238	01/31/2024	165.00	
Total 61-53610-66-317-852 OUTSIDE SERV OTH PROFESSIONAL:				632.50	
<b>61-53610-66-327-851 OFFICE - SUPPLIES EQUIPMENT</b>					
BADGER METER INC	BECON MBL HOSTING SERV UNIT WW	80153762	02/28/2024	99.00	
Total 61-53610-66-327-851 OFFICE - SUPPLIES EQUIPMENT:				99.00	
<b>61-53610-67-319-827 OTH OPER CONTRACTED SLUDGE</b>					
BADGER STATE WASTE LLC	SLUDGE HAULING	4268	03/07/2024	16,628.40	
Total 61-53610-67-319-827 OTH OPER CONTRACTED SLUDGE:				16,628.40	
<b>61-53610-67-325-827 OTH OPER - SUPPLIES OPERATING</b>					
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	2930/1	02/26/2024	23.89	
Total 61-53610-67-325-827 OTH OPER - SUPPLIES OPERATING:				23.89	
<b>61-53610-67-331-828 TRANSPORT SUPPLIES VEHICLES</b>					
COMPLETE H-D SPECIALIST LLC	CHECK ENGINE LIGHT	21308	02/20/2024	175.73	
NAPAAUTO PARTS DIV OF MPEC -	UTILITY SUPPLIES	335-286044	02/14/2024	20.99	
NAPAAUTO PARTS DIV OF MPEC -	UTILITY SUPPLIES	335-286513	02/21/2024	11.99	

Vendor Name	Description	Invoice Number	Invoice Date	Amount Paid	Voided
Total 61-53610-67-331-828 TRANSPORT SUPPLIES VEHICLES:				208.71	
<b>61-53610-67-364-824 OPERATING EXPENSE-PHOS REM CH</b>					
NEO WATER TREATMENT LLC	RE-300	IN000624	02/22/2024	40,354.05	
Total 61-53610-67-364-824 OPERATING EXPENSE-PHOS REM CH:				40,354.05	
<b>61-53610-68-317-834 MAINT GEN PLANT PROF SERV</b>					
TRANE	REPAIRS	314349906	02/23/2024	1,334.53	
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	2872/1	02/22/2024	43.04	
Total 61-53610-68-317-834 MAINT GEN PLANT PROF SERV:				1,377.57	
<b>61-53610-68-321-834 MAINT GEN PLANT JANITOR SUPPLY</b>					
O'REILLY AUTO PARTS	SUPPLIES - UTILITIES	5059-338911	02/20/2024	20.97	
Total 61-53610-68-321-834 MAINT GEN PLANT JANITOR SUPPLY:				20.97	
<b>61-53610-68-325-834 MAINT GEN PLANT OPER SUPPLY</b>					
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	2564/1	02/02/2024	3.41	
SUNSET HILL SCREEN PRINTING L	UTILITY SAFETY CLOTHING	245	02/29/2024	582.50	
CLARK, COREY	BOOT REIMBURSEMENT WW	2024 BOOT REIMBURS	02/28/2024	75.00	
Total 61-53610-68-325-834 MAINT GEN PLANT OPER SUPPLY:				660.91	
<b>61-53610-68-327-833 MAINT TREAT/DISP EQUIP-SUPPLY</b>					
AMAZON CAPITAL SERVICES	UTILITIES SUPPLIES	1PPR-XKHJ-4HW7	02/21/2024	24.99	
Total 61-53610-68-327-833 MAINT TREAT/DISP EQUIP-SUPPLY:				24.99	
<b>61-53610-69-317-827 LAB PROFESSIONAL SERV</b>					
NORTH CENTRAL LABORATORIES	WW LAB SUPPLIES	500503	03/05/2024	516.30	
NBS CALIBRATIONS	LAB CALIBRATIONS ANNUAL	139628	02/02/2024	185.00	
Total 61-53610-69-317-827 LAB PROFESSIONAL SERV:				701.30	
Grand Totals:				118,429.96	

Vendor Name	Description	Invoice Number	Invoice Date	Amount Paid	Voided
<b>60-17005-00-000-183 PRELIMINARY SURVEY</b>					
MADDEN LAW GROUP	SEWER FACILITIES PLANNING	14285	02/21/2024	421.00	
TOWN & COUNTRY ENGINEERING I	WELL #2, 3 & 5	26436	03/07/2024	15,219.70	
Total 60-17005-00-000-183 PRELIMINARY SURVEY:				15,640.70	
<b>60-18005-00-100-107 CONSTRUCTION WORK IN PROGRESS</b>					
TOWN & COUNTRY ENGINEERING I	WELL #4 TASK ORDER #2	26435	03/07/2024	2,557.50	
CD SMITH CONSTRUCTION	Well #4 SDWLP- Payment #9	PAYMENT REQUEST 9	03/01/2024	51,733.88	
Total 60-18005-00-100-107 CONSTRUCTION WORK IN PROGRESS:				54,291.38	
<b>60-53800-62-317-625 PUMP-MAINT PLANT-OTHER PROF</b>					
SELLNOW ELECTRIC LLC	WELL #5 CHEMICAL PUMPS	680	01/09/2024	195.00	
Total 60-53800-62-317-625 PUMP-MAINT PLANT-OTHER PROF:				195.00	
<b>60-53800-63-325-632 TREAT-OPER-SUPPLIES</b>					
NORTH CENTRAL LABORATORIES	IRON TESTS	500115	02/26/2024	153.44	
Total 60-53800-63-325-632 TREAT-OPER-SUPPLIES:				153.44	
<b>60-53800-63-364-631 TREAT-CHEM-CHLORINE</b>					
MARTELLE WATER TREATMENT IN	CHLORINE	26641	02/22/2024	1,320.62	
Total 60-53800-63-364-631 TREAT-CHEM-CHLORINE:				1,320.62	
<b>60-53800-64-319-641 TRANS-OPER-CONTRACTED SERVICES</b>					
HYDRO CORP	CC INSPECTIONS RES	76649-IN	02/29/2024	699.00	
HYDRO CORP	CC INSPECTIONS COMM	76858-IN	02/29/2024	1,084.00	
Total 60-53800-64-319-641 TRANS-OPER-CONTRACTED SERVICES:				1,783.00	
<b>60-53800-64-410-651 TRANS-MAINT MAINS-REPAIRS</b>					
TOWN & COUNTRY UNDERGROUN	DAYTON/CLARK MAIN BREAK	54513-IN	02/20/2024	5,398.80	
Total 60-53800-64-410-651 TRANS-MAINT MAINS-REPAIRS:				5,398.80	
<b>60-53800-66-302-930 ADM/GEN-MEMBERSHIPS</b>					
WISCONSIN DEPT OF NATURAL RE	TG WATER DNR RENEWAL	DNR RENEWAL 2024	03/01/2024	45.00	
WISCONSIN DEPT OF NATURAL RE	CC WATER DNR RENEWAL	DNR RENEWAL 2024	03/01/2024	45.00	
Total 60-53800-66-302-930 ADM/GEN-MEMBERSHIPS:				90.00	
<b>60-53800-66-303-930 ADM/GEN-REGISTRATION FEES</b>					
CLARK, COREY	REIMBURSEMENT DMV W	697715224026	01/26/2024	15.30	
Total 60-53800-66-303-930 ADM/GEN-REGISTRATION FEES:				15.30	
<b>60-53800-66-306-930 ADM/GEN-TRAVEL EMPLOYEE</b>					
KELLEY, MIKE	TRAVEL REIMBURSEMENT	TRAVEL REIMBURSEM	02/22/2024	42.07	
Total 60-53800-66-306-930 ADM/GEN-TRAVEL EMPLOYEE:				42.07	
<b>60-53800-66-310-930 ADM/GEN-PUBLICATION NOTICES</b>					
MULTI MEDIA CHANNELS LLC	WATER AGENDA	185861	02/26/2024	14.56	

Vendor Name	Description	Invoice Number	Invoice Date	Amount Paid	Voided
Total 60-53800-66-310-930 ADM/GEN-PUBLICATION NOTICES:				14.56	
<b>60-53800-66-314-921 ADM/GEN-OFFICE SUPPLIES</b>					
AMAZON CAPITAL SERVICES	UTILITIES SUPPLIES	13QC-M7RG-64GW	02/26/2024	34.99	
Total 60-53800-66-314-921 ADM/GEN-OFFICE SUPPLIES:				34.99	
<b>60-53800-66-319-923 ADM/GEN-CONTRACTED SERVICES</b>					
WISEGUY IT LLC	IT Professional Services	1193	01/15/2024	302.50	
Total 60-53800-66-319-923 ADM/GEN-CONTRACTED SERVICES:				302.50	
<b>60-53800-66-319-935 ADM/GEN-MAINT GEN-CONTRACTED</b>					
TRANE	REPAIRS	314349906	02/23/2024	1,334.52	
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	2872/1	02/22/2024	43.05	
Total 60-53800-66-319-935 ADM/GEN-MAINT GEN-CONTRACTED:				1,377.57	
<b>60-53800-66-321-935 ADM/GEN-JANITORIAL SUPPLIES</b>					
O'REILLY AUTO PARTS	SUPPLIES - UTILITIES	5059-338911	02/20/2024	20.98	
O'REILLY AUTO PARTS	SUPPLIES - UTILITIES	5059-339701	02/28/2024	17.53	
AMAZON CAPITAL SERVICES	UTILITIES SUPPLIES	1PPR-XKHJ-4HW7	02/21/2024	10.37	
Total 60-53800-66-321-935 ADM/GEN-JANITORIAL SUPPLIES:				48.88	
<b>60-53800-66-325-935 ADM/GEN-MAINT GEN-SUPPLIES</b>					
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	2870/1	02/22/2024	15.18	
SUNSET HILL SCREEN PRINTING L	UTILITY SAFETY CLOTHING	245	02/29/2024	582.50	
AMAZON CAPITAL SERVICES	UTILITIES SUPPLIES	1PPR-XKHJ-4HW7	02/21/2024	19.68	
CLARK, COREY	BOOT REIMBURSEMENT W	2024 BOOT REIMBURS	02/28/2024	75.00	
Total 60-53800-66-325-935 ADM/GEN-MAINT GEN-SUPPLIES:				692.36	
<b>60-53800-66-327-921 ADM/GEN-OFFICE SUPPLIES-EQUIP</b>					
BADGER METER INC	BECON MBL HOSTING SERV UNIT W	80153762	02/28/2024	99.00	
Total 60-53800-66-327-921 ADM/GEN-OFFICE SUPPLIES-EQUIP:				99.00	
<b>60-53800-66-331-933 ADM/GEN-SUPPLIES VEHICLES</b>					
NAPAAUTO PARTS DIV OF MPEC -	UTILITY SUPPLIES	335-286513	02/21/2024	12.00	
Total 60-53800-66-331-933 ADM/GEN-SUPPLIES VEHICLES:				12.00	
Grand Totals:				81,512.17	

# CITY OF MAYVILLE

## SUMMARY OF CASH POSITION BY FUND AS OF FEBRUARY 29, 2024

	THIS MONTH	LAST MONTH	CHANGE
<b>(60) WATER FUND</b>			
TREASURER'S CHECKING	2,337,461.55	2,420,766.68	( 83,305.13)
INVESTMENTS-AMERICAN 15 MO CD	.00	.00	.00
INVESTMENTS-WU CD	.00	.00	.00
INVESTMENTS-DEBT SERVICE RESER	.00	.00	.00
INVESTMENTS-DS RESERVE MSB	.00	.00	.00
INVESTMENTS-DS RESERVE MSB MM	.00	.00	.00
INVESTMENTS-STATE FUNDS #14	.00	.00	.00
INVESTMENTS-STATE FUNDS #2	.00	.00	.00
INVESTMENTS-BANKONE ASSET MGMT	.00	.00	.00
TSB-WATER UTILITY MONEY MARKET	679,511.41	676,616.38	2,895.03
INVESTMENTS-STATE FUNDS #4	.00	.00	.00
INVESTMENTS-RESERVED	.00	.00	.00
TSB-WATER REDEMPTION MONEY MAR	65,559.21	65,279.90	279.31
TSB-WATER IMPACT FEES MONEY MA	1,220.22	1,215.02	5.20
M&I WATER REDEMPTION CD	.00	.00	.00
FBB-WATER UTILITY CD	.00	.00	.00
FBB-WATER DEPRECIATION CD	.00	.00	.00
TSB-WATER DEPRECIATION MM	206,850.86	205,969.58	881.28
M&I-WATER CD	.00	.00	.00
MSB-WATER UTILITY CD	.00	.00	.00
PETTY CASH & CHANGE BOX	175.00	175.00	.00
CASH RECEIPTS CLEARING	1,250.20	1,250.20	.00
ADVANCE TO WASTEWATER UTILITY	.00	.00	.00
<b>TOTAL (60) WATER FUND</b>	<b>3,292,028.45</b>	<b>3,371,272.76</b>	<b>( 79,244.31)</b>
<b>(61) SEWER FUND</b>			
TREASURER'S CHECKING	598,644.93	696,062.61	( 97,417.68)
INVESTMENTS-BANKONE ASSET MGMT	.00	.00	.00
TSB-SEWER REPLACEMENT MM	1,242,219.19	1,236,926.77	5,292.42
INVESTMENTS-STATE FUNDS #10	.00	.00	.00
INVESTMENTS-STATE FUNDS #3	.00	.00	.00
TSB-SEWER RESERVE MONEY MARKET	1,175.99	1,170.98	5.01
INVESTMENTS-STATE FUNDS #5	.00	.00	.00
SEWER UTILITY RESERVE CD	.00	.00	.00
TSB-SEWER UTILITY MONEY MARKET	359,978.53	358,444.86	1,533.67
FBB-SEWER UTILITY CD	.00	.00	.00
FBB-SEWER DEPRECIATION CD	.00	.00	.00
INVESTMENTS-STATE FUNDS #9	.00	.00	.00
FBB-SEWER REDEMPTION CD	.00	.00	.00
FBB-SEWER CONNECTIONS CD	.00	.00	.00
TSB-SEWER DEPRECIATION MM	.00	.00	.00
TSB-SEWER REDEMPTION MONEY MM	67,781.43	67,492.65	288.78
TSB-SEWER CONNECTIONS MM	177,222.06	176,467.01	755.05
PETTY CASH & CHANGE BOX	175.00	175.00	.00
<b>TOTAL (61) SEWER FUND</b>	<b>2,447,197.13</b>	<b>2,536,739.88</b>	<b>( 89,542.75)</b>
<b>TOTAL CASH - ALL FUNDS</b>	<b>5,739,225.58</b>	<b>5,908,012.64</b>	<b>( 168,787.06)</b>



CITY OF MAYVILLE  
 REVENUES WITH COMPARISON TO BUDGET  
 FOR THE 2 MONTHS ENDING FEBRUARY 29, 2024

(60) WATER FUND

	PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEARNED	PCNT
<b>SOURCE 42</b>					
60-42100-00-000-000 CAPITAL CONTRIBUTIONS	16,300.44	53,886.11	.00	( 53,886.11)	.0
TOTAL SOURCE 42	16,300.44	53,886.11	.00	( 53,886.11)	.0
<b>PUBLIC CHARGES FOR SERVICES</b>					
60-46450-65-001-470 FORFEITURES & PENALTIES	445.41	814.20	4,922.00	4,107.80	16.5
60-46450-65-011-461 RESIDENTIAL - METERED	35,049.94	75,098.12	488,387.00	413,288.88	15.4
60-46450-65-012-461 COMMERCIAL - METERED	5,580.19	11,921.65	81,147.00	69,225.35	14.7
60-46450-65-013-461 INDUSTRIAL - METERED	10,919.41	22,256.00	277,061.00	254,805.00	8.0
60-46450-65-014-462 FIRE PROTECTION - PRIVATE	3,017.99	6,035.98	36,437.00	30,401.02	16.6
60-46450-65-015-461 RESIDENTIAL MULTIFAM - METERED	3,898.57	8,364.16	45,316.00	36,951.84	18.5
60-46450-65-015-463 FIRE PROTECTION - PUBLIC	30,827.73	61,672.43	369,316.00	307,643.57	16.7
60-46450-65-016-464 PUBLIC AUTHORITY - METERED	1,409.13	2,951.34	15,304.00	12,352.66	19.3
60-46450-65-017-474 METER TURN-ON CHARGE	.00	.00	5,462.00	5,462.00	.0
60-46450-65-018-474 MISC-REAL ESTATE CLOSING FEE	30.00	75.00	870.00	795.00	8.6
<b>TOTAL PUBLIC CHARGES FOR SERVI</b>	<b>91,178.37</b>	<b>189,188.88</b>	<b>1,324,222.00</b>	<b>1,135,033.12</b>	<b>14.3</b>
<b>INTEREST INCOME &amp; MISC</b>					
60-48110-66-000-419 INTEREST-INVESTMENTS	4,060.82	8,381.94	24,250.00	15,868.06	34.6
60-48900-66-000-421 GEN ADMIN - MISC NON OPER CC	.00	.00	4,650.00	4,650.00	.0
<b>TOTAL INTEREST INCOME &amp; MISC</b>	<b>4,060.82</b>	<b>8,381.94</b>	<b>28,900.00</b>	<b>20,518.06</b>	<b>29.0</b>
<b>TOTAL FUND REVENUE</b>	<b>111,539.63</b>	<b>251,456.93</b>	<b>1,353,122.00</b>	<b>1,101,665.07</b>	<b>18.6</b>

CITY OF MAYVILLE  
 EXPENDITURES WITH COMPARISON TO BUDGET  
 FOR THE 2 MONTHS ENDING FEBRUARY 29, 2024

(60) WATER FUND

	PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
60-53800-61-102-600	1,916.63	3,594.06	25,171.00	21,576.94	14.3
60-53800-61-102-605	460.00	1,117.82	11,143.00	10,025.18	10.0
60-53800-61-103-600	341.00	687.67	4,999.00	4,311.33	13.8
60-53800-61-103-605	.00	71.78	.00	( 71.78)	.0
60-53800-61-319-605	.00	.00	1,500.00	1,500.00	.0
60-53800-61-325-605	201.00	201.00	300.00	99.00	67.0
<b>TOTAL SOURCE OF SUPPLY</b>	<b>2,918.63</b>	<b>5,672.33</b>	<b>43,113.00</b>	<b>37,440.67</b>	<b>13.2</b>
60-53800-62-102-620	761.49	975.44	13,138.00	12,162.56	7.4
60-53800-62-102-625	.00	.00	1,072.00	1,072.00	.0
60-53800-62-317-625	2,214.30	2,214.30	58,940.00	56,725.70	3.8
60-53800-62-323-622	11,793.27	11,793.27	68,689.00	56,895.73	17.2
60-53800-62-324-622	2,530.65	2,530.65	10,769.00	8,238.35	23.5
<b>TOTAL PUMPING EXPENSE</b>	<b>17,299.71</b>	<b>17,513.66</b>	<b>152,608.00</b>	<b>135,094.34</b>	<b>11.5</b>
60-53800-63-102-630	838.25	1,344.11	13,763.00	12,418.89	9.8
60-53800-63-102-635	.00	.00	1,424.00	1,424.00	.0
60-53800-63-103-630	.00	.00	267.00	267.00	.0
60-53800-63-317-635	1,188.24	1,188.24	13,325.00	12,136.76	8.9
60-53800-63-325-632	64.65	64.65	1,200.00	1,135.35	5.4
60-53800-63-327-635	.00	.00	3,200.00	3,200.00	.0
60-53800-63-364-631	879.66	1,499.81	15,624.00	14,124.19	9.6
60-53800-63-371-631	1,008.20	1,008.20	4,642.00	3,633.80	21.7
<b>TOTAL WATER TREATMENT</b>	<b>3,979.00</b>	<b>5,105.01</b>	<b>53,445.00</b>	<b>48,339.99</b>	<b>9.6</b>

CITY OF MAYVILLE  
 EXPENDITURES WITH COMPARISON TO BUDGET  
 FOR THE 2 MONTHS ENDING FEBRUARY 29, 2024

(60) WATER FUND

	PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
60-53800-64-102-640	3,119.80	4,382.47	35,865.00	31,482.53	12.2
60-53800-64-102-650	.00	.00	809.00	809.00	.0
60-53800-64-102-651	261.37	261.37	3,832.00	3,570.63	6.8
60-53800-64-102-652	355.55	435.20	1,898.00	1,462.80	22.9
60-53800-64-102-653	1,300.35	1,772.36	7,516.00	5,743.64	23.6
60-53800-64-102-654	.00	.00	586.00	586.00	.0
60-53800-64-103-640	.00	.00	184.00	184.00	.0
60-53800-64-103-650	.00	.00	141.00	141.00	.0
60-53800-64-103-651	.00	.00	1,114.00	1,114.00	.0
60-53800-64-103-652	.00	110.85	250.00	139.15	44.3
60-53800-64-107-640	492.50	901.00	6,890.00	5,989.00	13.1
60-53800-64-319-641	1,783.00	1,783.00	24,496.00	22,713.00	7.3
60-53800-64-322-641	1,463.61	2,879.72	15,365.00	12,485.28	18.7
60-53800-64-325-641	.00	.00	1,350.00	1,350.00	.0
60-53800-64-410-651	.00	.00	85,375.00	85,375.00	.0
60-53800-64-411-652	.00	.00	30,000.00	30,000.00	.0
60-53800-64-412-653	.00	.00	3,714.00	3,714.00	.0
60-53800-64-413-654	.00	.00	25,000.00	25,000.00	.0
TOTAL TRANS & DISTRIBTN	8,776.18	12,525.97	244,385.00	231,859.03	5.1
60-53800-65-102-901	.00	79.32	375.00	295.68	21.2
60-53800-65-102-902	1,105.03	1,959.75	14,786.00	12,826.25	13.3
60-53800-65-103-902	.00	.00	31.00	31.00	.0
60-53800-65-305-903	1,349.35	1,702.57	5,200.00	3,497.43	32.7
60-53800-65-314-903	.00	.00	1,500.00	1,500.00	.0
TOTAL CUSTOMER ACCT EXP	2,454.38	3,741.64	21,892.00	18,150.36	17.1

CITY OF MAYVILLE  
EXPENDITURES WITH COMPARISON TO BUDGET  
FOR THE 2 MONTHS ENDING FEBRUARY 29, 2024

(60) WATER FUND

	PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
60-53800-66-101-920	2,912.84	5,097.67	42,180.00	37,082.33	12.1
60-53800-66-102-920	1,105.03	1,959.75	14,788.00	12,826.25	13.3
60-53800-66-102-930	491.28	839.25	6,576.00	5,736.75	12.8
60-53800-66-102-933	.00	.00	311.00	311.00	.0
60-53800-66-102-935	569.95	838.92	8,187.00	7,348.08	10.3
60-53800-66-201-408	1,225.83	2,083.42	14,500.00	12,416.58	14.4
60-53800-66-203-926	1,065.04	2,104.29	12,500.00	10,395.71	16.8
60-53800-66-204-926	4,192.84	8,251.94	66,343.00	58,091.06	12.4
60-53800-66-205-926	35.57	69.45	535.00	465.55	13.0
60-53800-66-208-926	230.93	453.72	3,074.00	2,620.28	14.8
60-53800-66-209-926	.00	.00	150.00	150.00	.0
60-53800-66-210-926	33.65	66.09	448.00	381.91	14.8
60-53800-66-211-926	759.94	759.94	3,656.00	2,896.06	20.8
60-53800-66-212-930	.00	826.00	920.00	94.00	89.8
60-53800-66-213-926	71.39	1,023.25	6,378.00	5,354.75	16.0
60-53800-66-214-926	47.59	712.65	4,308.00	3,595.35	16.5
60-53800-66-218-926	57.41	110.56	782.00	671.44	14.1
60-53800-66-280-926	.00	.00	182.00	182.00	.0
60-53800-66-302-930	.00	480.00	948.00	468.00	50.6
60-53800-66-303-930	22.50	22.50	1,200.00	1,177.50	1.9
60-53800-66-304-921	.00	.00	710.00	710.00	.0
60-53800-66-305-921	.00	.00	518.00	518.00	.0
60-53800-66-306-930	.00	.00	100.00	100.00	.0
60-53800-66-310-930	12.62	41.09	1,500.00	1,458.91	2.7
60-53800-66-313-403	.00	.00	274,121.00	274,121.00	.0
60-53800-66-313-404	.00	.00	29,250.00	29,250.00	.0
60-53800-66-314-921	233.70	233.70	1,350.00	1,116.30	17.3
60-53800-66-315-923	.00	.00	1,200.00	1,200.00	.0
60-53800-66-316-923	24.51	24.51	21,000.00	20,975.49	.1
60-53800-66-317-923	.00	99.95	1,500.00	1,400.05	6.7
60-53800-66-317-930	30.50	126.50	2,300.00	2,173.50	5.5
60-53800-66-319-923	26.25	26.25	1,200.00	1,173.75	2.2
60-53800-66-319-935	.00	.00	5,200.00	5,200.00	.0
60-53800-66-321-935	260.86	276.69	2,300.00	2,023.31	12.0
60-53800-66-325-935	337.37	351.27	3,100.00	2,748.73	11.3

CITY OF MAYVILLE  
 EXPENDITURES WITH COMPARISON TO BUDGET  
 FOR THE 2 MONTHS ENDING FEBRUARY 29, 2024

(60) WATER FUND

	PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
60-53800-66-327-921	113.51	121.67	7,000.00	6,878.33	1.7
60-53800-66-331-933	570.97	570.97	2,500.00	1,929.03	22.8
60-53800-66-334-924	1,647.65	1,647.65	9,516.00	7,868.35	17.3
60-53800-66-335-933	375.14	375.14	2,150.00	1,774.86	17.5
60-53800-66-336-924	470.64	470.64	2,448.00	1,977.36	19.2
60-53800-66-341-428	.00	.00	7,500.00	7,500.00	.0
60-53800-66-353-427	.00	.00	36,465.00	36,465.00	.0
60-53800-66-386-933	242.94	242.94	3,458.00	3,215.06	7.0
60-53800-66-387-924	1,454.24	1,454.24	8,618.00	7,163.76	16.9
60-53800-66-392-408	.00	.00	200,000.00	200,000.00	.0
60-53800-66-902-935	.00	.00	6,500.00	6,500.00	.0
TOTAL ADMIN & GENERAL	18,622.69	31,762.61	819,468.00	787,705.39	3.9
TOTAL FUND EXPENDITURES	54,050.59	76,321.22	1,334,911.00	1,258,589.78	5.7
NET REVENUE OVER EXPENDITURES	57,489.04	175,135.71	18,211.00	( 156,924.71)	961.7

CITY OF MAYVILLE  
 REVENUES WITH COMPARISON TO BUDGET  
 FOR THE 2 MONTHS ENDING FEBRUARY 29, 2024

(61) SEWER FUND

	PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEARNED	PCNT
<b>PUBLIC CHARGES FOR SERVICES</b>					
61-46410-65-011-631	569.54	1,018.74	7,400.00	6,381.26	13.8
61-46410-65-021-622	55,069.81	117,879.88	748,154.00	630,274.12	15.8
61-46410-65-022-622	15,986.00	34,951.18	217,478.00	182,526.82	16.1
61-46410-65-023-622	27,181.56	63,532.71	461,333.00	397,800.29	13.8
61-46410-65-024-622	3,036.04	7,359.98	33,292.00	25,932.02	22.1
61-46410-65-025-624	4,128.76	8,877.84	71,548.00	62,670.16	12.4
61-46410-65-026-635	.00	.00	1,142.00	1,142.00	.0
61-46410-65-027-635	.00	.00	23,659.00	23,659.00	.0
<b>TOTAL PUBLIC CHARGES FOR SERVI</b>	<b>105,971.71</b>	<b>233,620.33</b>	<b>1,564,006.00</b>	<b>1,330,385.67</b>	<b>14.9</b>
<b>INTEREST INCOME &amp; MISC</b>					
61-48110-66-000-419	7,874.93	16,254.63	72,107.00	55,852.37	22.5
<b>TOTAL INTEREST INCOME &amp; MISC</b>	<b>7,874.93</b>	<b>16,254.63</b>	<b>72,107.00</b>	<b>55,852.37</b>	<b>22.5</b>
<b>TOTAL FUND REVENUE</b>	<b>113,846.64</b>	<b>249,874.96</b>	<b>1,636,113.00</b>	<b>1,386,238.04</b>	<b>15.3</b>

CITY OF MAYVILLE  
 EXPENDITURES WITH COMPARISON TO BUDGET  
 FOR THE 2 MONTHS ENDING FEBRUARY 29, 2024

(61) SEWER FUND

	PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
61-53610-65-102-840	1,105.03	1,959.75	14,786.00	12,826.25	13.3
BILL/COLLECT/ACCTG -WAGES					
61-53610-65-102-842	675.93	1,064.67	9,040.00	7,975.33	11.8
METER READING-WAGES					
61-53610-65-305-840	1,344.34	1,697.56	5,200.00	3,502.44	32.7
BILL/COLLECT/ACCTG-POSTAGE					
61-53610-65-314-840	12.62	41.10	1,500.00	1,458.90	2.7
BILL/COLLECT/ACCT-SUPPLIES OFF					
TOTAL CUSTOMER ACCT EXP	3,137.92	4,763.08	30,526.00	25,762.92	15.6

CITY OF MAYVILLE  
EXPENDITURES WITH COMPARISON TO BUDGET  
FOR THE 2 MONTHS ENDING FEBRUARY 29, 2024

(61) SEWER FUND

	PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
61-53610-66-101-850	2,912.82	5,097.66	42,180.00	37,082.34	12.1
61-53610-66-102-850	1,105.00	1,959.70	14,817.00	12,857.30	13.2
61-53610-66-102-856	1,381.57	1,859.61	14,360.00	12,500.39	13.0
61-53610-66-201-854	1,465.88	2,653.96	20,794.00	18,140.04	12.8
61-53610-66-203-854	1,293.55	2,664.27	17,000.00	14,335.73	15.7
61-53610-66-204-854	1,265.04	4,251.22	62,000.00	57,748.78	6.9
61-53610-66-205-854	12.93	27.55	526.00	498.45	5.2
61-53610-66-206-856	.00	.00	900.00	900.00	.0
61-53610-66-208-854	175.40	358.94	3,096.00	2,737.06	11.6
61-53610-66-209-854	.00	.00	150.00	150.00	.0
61-53610-66-210-854	32.06	59.46	542.00	482.54	11.0
61-53610-66-211-854	31.38	245.06	5,600.00	5,354.94	4.4
61-53610-66-212-856	.00	826.00	920.00	94.00	89.8
61-53610-66-213-854	262.99	690.35	9,250.00	8,559.65	7.5
61-53610-66-214-854	460.22	2,171.19	8,200.00	6,028.81	26.5
61-53610-66-218-854	71.88	148.02	950.00	801.98	15.6
61-53610-66-280-854	.00	.00	182.00	182.00	.0
61-53610-66-302-856	.00	.00	300.00	300.00	.0
61-53610-66-303-856	22.50	22.50	725.00	702.50	3.1
61-53610-66-304-851	.00	.00	710.00	710.00	.0
61-53610-66-305-851	.63	.63	250.00	249.37	.3
61-53610-66-306-856	.00	.00	120.00	120.00	.0
61-53610-66-310-851	.00	.00	200.00	200.00	.0
61-53610-66-313-403	.00	.00	475,000.00	475,000.00	.0
61-53610-66-314-851	219.04	254.74	1,350.00	1,095.26	18.9
61-53610-66-315-852	.00	.00	750.00	750.00	.0
61-53610-66-316-852	.00	.00	21,000.00	21,000.00	.0
61-53610-66-317-852	26.25	26.25	24,500.00	24,473.75	.1
61-53610-66-317-856	30.50	122.50	200.00	77.50	61.3
61-53610-66-327-851	113.53	121.70	9,290.00	9,168.30	1.3
61-53610-66-334-853	2,905.37	2,905.37	14,250.00	11,344.63	20.4
61-53610-66-335-853	743.24	743.24	4,292.00	3,548.76	17.3
61-53610-66-336-853	470.64	470.64	2,500.00	2,029.36	18.8
61-53610-66-352-852	.00	.00	1,200.00	1,200.00	.0
61-53610-66-353-427	.00	.00	36,005.00	36,005.00	.0



CITY OF MAYVILLE  
 EXPENDITURES WITH COMPARISON TO BUDGET  
 FOR THE 2 MONTHS ENDING FEBRUARY 29, 2024

(61) SEWER FUND

	PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
61-53610-66-387-854	1,454.24	1,454.24	9,314.00	7,859.76	15.6
61-53610-66-902-852	.00	.00	6,500.00	6,500.00	.0
TOTAL ADMIN & GENERAL EXP	16,456.66	29,134.80	809,923.00	780,788.20	3.6
61-53610-67-102-820	2,975.61	5,761.35	15,508.00	9,746.65	37.2
61-53610-67-102-828	189.01	213.66	903.00	689.34	23.7
61-53610-67-103-820	532.09	1,016.79	8,009.00	6,992.21	12.7
61-53610-67-107-820	492.50	901.00	6,890.00	5,989.00	13.1
61-53610-67-303-827	.00	.00	4,700.00	4,700.00	.0
61-53610-67-317-827	.00	.00	1,500.00	1,500.00	.0
61-53610-67-319-827	16,717.80	16,717.80	204,120.00	187,402.20	8.2
61-53610-67-322-827	368.95	736.52	4,600.00	3,863.48	16.0
61-53610-67-323-822	13,201.61	13,201.61	153,178.00	139,976.39	8.6
61-53610-67-324-827	9,442.52	9,442.52	53,360.00	43,917.48	17.7
61-53610-67-325-827	794.35	794.35	10,950.00	10,155.65	7.3
61-53610-67-331-828	493.97	493.97	2,600.00	2,106.03	19.0
61-53610-67-364-824	.00	.00	81,996.00	81,996.00	.0
61-53610-67-386-828	203.08	327.23	3,100.00	2,772.77	10.6
TOTAL OPERATING EXPENSE	45,411.49	49,606.80	551,414.00	501,807.20	9.0

CITY OF MAYVILLE  
EXPENDITURES WITH COMPARISON TO BUDGET  
FOR THE 2 MONTHS ENDING FEBRUARY 29, 2024

(61) SEWER FUND

	PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
61-53610-68-102-831	80.13	80.13	15,248.00	15,167.87	.5
61-53610-68-102-832	630.75	940.27	11,789.00	10,848.73	8.0
61-53610-68-102-833	1,563.49	2,422.33	39,235.00	36,812.67	6.2
61-53610-68-102-834	867.79	1,987.17	14,374.00	12,386.83	13.8
61-53610-68-103-831	.00	.00	190.00	190.00	.0
61-53610-68-103-832	.00	474.10	836.00	361.90	56.7
61-53610-68-103-833	.00	.00	263.00	263.00	.0
61-53610-68-317-831	.00	235.00	.00	( 235.00)	.0
61-53610-68-317-832	2,131.28	2,131.28	16,000.00	13,868.72	13.3
61-53610-68-317-834	2,719.13	2,719.13	15,583.00	12,863.87	17.5
61-53610-68-319-833	845.58	1,477.11	12,492.00	11,014.89	11.8
61-53610-68-321-834	268.78	292.53	2,500.00	2,207.47	11.7
61-53610-68-325-831	.00	.00	6,000.00	6,000.00	.0
61-53610-68-325-834	155.99	155.99	4,623.00	4,467.01	3.4
61-53610-68-327-833	.00	.00	5,400.00	5,400.00	.0
61-53610-68-359-832	254.42	309.84	3,500.00	3,190.16	8.9
61-53610-68-412-835	.00	.00	1,500.00	1,500.00	.0
61-53610-68-414-831	.00	.00	13,400.00	13,400.00	.0
<b>TOTAL MAINTENANCE EXPENSE</b>	<b>9,517.34</b>	<b>13,224.88</b>	<b>162,933.00</b>	<b>149,708.12</b>	<b>8.1</b>
61-53610-69-102-820	4,409.49	6,929.24	61,953.00	55,023.76	11.2
61-53610-69-103-820	15.69	51.05	571.00	519.95	8.9
61-53610-69-317-827	494.12	494.12	7,800.00	7,305.88	6.3
61-53610-69-383-827	338.09	338.09	6,600.00	6,261.91	5.1
<b>TOTAL LAB EXPENSES</b>	<b>5,257.39</b>	<b>7,812.50</b>	<b>76,924.00</b>	<b>69,111.50</b>	<b>10.2</b>
<b>TOTAL FUND EXPENDITURES</b>	<b>79,780.80</b>	<b>104,542.06</b>	<b>1,631,720.00</b>	<b>1,527,177.94</b>	<b>6.4</b>
<b>NET REVENUE OVER EXPENDITURES</b>	<b>34,065.84</b>	<b>145,332.90</b>	<b>4,393.00</b>	<b>( 140,939.90)</b>	<b>3308.3</b>

CITY OF MAYVILLE  
 REVENUES WITH COMPARISON TO BUDGET  
 FOR THE 2 MONTHS ENDING FEBRUARY 29, 2024

(60) WATER FUND

	PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEARNED	PCNT
<u>SOURCE 42</u>					
60-42100-00-000-000 CAPITAL CONTRIBUTIONS	16,300.44	53,886.11	.00	( 53,886.11)	.0
TOTAL SOURCE 42	16,300.44	53,886.11	.00	( 53,886.11)	.0
<u>PUBLIC CHARGES FOR SERVICES</u>					
60-46450-65-001-470 FORFEITURES & PENALTIES	445.41	814.20	4,922.00	4,107.80	16.5
60-46450-65-011-461 RESIDENTIAL - METERED	35,049.94	75,098.12	488,387.00	413,288.88	15.4
60-46450-65-012-461 COMMERCIAL - METERED	5,580.19	11,921.65	81,147.00	69,225.35	14.7
60-46450-65-013-461 INDUSTRIAL - METERED	10,919.41	22,256.00	277,061.00	254,805.00	8.0
60-46450-65-014-462 FIRE PROTECTION - PRIVATE	3,017.99	6,035.98	36,437.00	30,401.02	16.6
60-46450-65-015-461 RESIDENTIAL MULTIFAM - METERED	3,898.57	8,364.16	45,316.00	36,951.84	18.5
60-46450-65-015-463 FIRE PROTECTION - PUBLIC	30,827.73	61,672.43	369,316.00	307,643.57	16.7
60-46450-65-016-464 PUBLIC AUTHORITY - METERED	1,409.13	2,951.34	15,304.00	12,352.66	19.3
60-46450-65-017-474 METER TURN-ON CHARGE	.00	.00	5,462.00	5,462.00	.0
60-46450-65-018-474 MISC-REAL ESTATE CLOSING FEE	30.00	75.00	870.00	795.00	8.6
TOTAL PUBLIC CHARGES FOR SERVI	91,178.37	189,188.88	1,324,222.00	1,135,033.12	14.3
<u>INTEREST INCOME &amp; MISC</u>					
60-48110-66-000-419 INTEREST-INVESTMENTS	4,060.82	8,381.94	24,250.00	15,868.06	34.6
60-48900-66-000-421 GEN ADMIN - MISC NON OPER CC	.00	.00	4,650.00	4,650.00	.0
TOTAL INTEREST INCOME & MISC	4,060.82	8,381.94	28,900.00	20,518.06	29.0
TOTAL FUND REVENUE	111,539.63	251,456.93	1,353,122.00	1,101,665.07	18.6

CITY OF MAYVILLE  
 EXPENDITURES WITH COMPARISON TO BUDGET  
 FOR THE 2 MONTHS ENDING FEBRUARY 29, 2024

(60) WATER FUND

	PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
60-53800-61-102-600	1,916.63	3,594.06	25,171.00	21,576.94	14.3
60-53800-61-102-605	460.00	1,117.82	11,143.00	10,025.18	10.0
60-53800-61-103-600	341.00	687.67	4,999.00	4,311.33	13.8
60-53800-61-103-605	.00	71.78	.00	( 71.78)	.0
60-53800-61-319-605	.00	.00	1,500.00	1,500.00	.0
60-53800-61-325-605	201.00	201.00	300.00	99.00	67.0
TOTAL SOURCE OF SUPPLY	2,918.63	5,672.33	43,113.00	37,440.67	13.2
60-53800-62-102-620	761.49	975.44	13,138.00	12,162.56	7.4
60-53800-62-102-625	.00	.00	1,072.00	1,072.00	.0
60-53800-62-317-625	2,214.30	2,214.30	58,940.00	56,725.70	3.8
60-53800-62-323-622	11,793.27	11,793.27	68,689.00	56,895.73	17.2
60-53800-62-324-622	2,530.65	2,530.65	10,769.00	8,238.35	23.5
TOTAL PUMPING EXPENSE	17,299.71	17,513.66	152,608.00	135,094.34	11.5
60-53800-63-102-630	838.25	1,344.11	13,763.00	12,418.89	9.8
60-53800-63-102-635	.00	.00	1,424.00	1,424.00	.0
60-53800-63-103-630	.00	.00	267.00	267.00	.0
60-53800-63-317-635	1,188.24	1,188.24	13,325.00	12,136.76	8.9
60-53800-63-325-632	64.65	64.65	1,200.00	1,135.35	5.4
60-53800-63-327-635	.00	.00	3,200.00	3,200.00	.0
60-53800-63-364-631	879.66	1,499.81	15,624.00	14,124.19	9.6
60-53800-63-371-631	1,008.20	1,008.20	4,642.00	3,633.80	21.7
TOTAL WATER TREATMENT	3,979.00	5,105.01	53,445.00	48,339.99	9.6

CITY OF MAYVILLE  
 EXPENDITURES WITH COMPARISON TO BUDGET  
 FOR THE 2 MONTHS ENDING FEBRUARY 29, 2024

(60) WATER FUND

	PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
60-53800-64-102-640	3,119.80	4,382.47	35,865.00	31,482.53	12.2
60-53800-64-102-650	.00	.00	809.00	809.00	.0
60-53800-64-102-651	261.37	261.37	3,832.00	3,570.63	6.8
60-53800-64-102-652	355.55	435.20	1,898.00	1,462.80	22.9
60-53800-64-102-653	1,300.35	1,772.36	7,516.00	5,743.64	23.6
60-53800-64-102-654	.00	.00	586.00	586.00	.0
60-53800-64-103-640	.00	.00	184.00	184.00	.0
60-53800-64-103-650	.00	.00	141.00	141.00	.0
60-53800-64-103-651	.00	.00	1,114.00	1,114.00	.0
60-53800-64-103-652	.00	110.85	250.00	139.15	44.3
60-53800-64-107-640	492.50	901.00	6,890.00	5,989.00	13.1
60-53800-64-319-641	1,783.00	1,783.00	24,496.00	22,713.00	7.3
60-53800-64-322-641	1,463.61	2,879.72	15,365.00	12,485.28	18.7
60-53800-64-325-641	.00	.00	1,350.00	1,350.00	.0
60-53800-64-410-651	.00	.00	85,375.00	85,375.00	.0
60-53800-64-411-652	.00	.00	30,000.00	30,000.00	.0
60-53800-64-412-653	.00	.00	3,714.00	3,714.00	.0
60-53800-64-413-654	.00	.00	25,000.00	25,000.00	.0
TOTAL TRANS & DISTRIBTN	8,776.18	12,525.97	244,385.00	231,859.03	5.1
60-53800-65-102-901	.00	79.32	375.00	295.68	21.2
60-53800-65-102-902	1,105.03	1,959.75	14,786.00	12,826.25	13.3
60-53800-65-103-902	.00	.00	31.00	31.00	.0
60-53800-65-305-903	1,349.35	1,702.57	5,200.00	3,497.43	32.7
60-53800-65-314-903	.00	.00	1,500.00	1,500.00	.0
TOTAL CUSTOMER ACCT EXP	2,454.38	3,741.64	21,892.00	18,150.36	17.1

CITY OF MAYVILLE  
 EXPENDITURES WITH COMPARISON TO BUDGET  
 FOR THE 2 MONTHS ENDING FEBRUARY 29, 2024

(60) WATER FUND

	PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
60-53800-66-101-920	2,912.84	5,097.67	42,180.00	37,082.33	12.1
60-53800-66-102-920	1,105.03	1,959.75	14,786.00	12,826.25	13.3
60-53800-66-102-930	491.28	839.25	6,576.00	5,736.75	12.8
60-53800-66-102-933	.00	.00	311.00	311.00	.0
60-53800-66-102-935	569.95	838.92	8,187.00	7,348.08	10.3
60-53800-66-201-408	1,225.83	2,083.42	14,500.00	12,416.58	14.4
60-53800-66-203-926	1,065.04	2,104.29	12,500.00	10,395.71	16.8
60-53800-66-204-926	4,192.84	8,251.94	66,343.00	58,091.06	12.4
60-53800-66-205-926	35.57	69.45	535.00	465.55	13.0
60-53800-66-208-926	230.93	453.72	3,074.00	2,620.28	14.8
60-53800-66-209-926	.00	.00	150.00	150.00	.0
60-53800-66-210-926	33.65	66.09	448.00	381.91	14.8
60-53800-66-211-926	759.94	759.94	3,656.00	2,896.06	20.8
60-53800-66-212-930	.00	826.00	920.00	94.00	89.8
60-53800-66-213-926	71.39	1,023.25	6,378.00	5,354.75	16.0
60-53800-66-214-926	47.59	712.65	4,308.00	3,595.35	16.5
60-53800-66-218-926	57.41	110.56	782.00	671.44	14.1
60-53800-66-280-926	.00	.00	182.00	182.00	.0
60-53800-66-302-930	.00	480.00	948.00	468.00	50.6
60-53800-66-303-930	22.50	22.50	1,200.00	1,177.50	1.9
60-53800-66-304-921	.00	.00	710.00	710.00	.0
60-53800-66-305-921	.00	.00	518.00	518.00	.0
60-53800-66-306-930	.00	.00	100.00	100.00	.0
60-53800-66-310-930	12.62	41.09	1,500.00	1,458.91	2.7
60-53800-66-313-403	.00	.00	274,121.00	274,121.00	.0
60-53800-66-313-404	.00	.00	29,250.00	29,250.00	.0
60-53800-66-314-921	233.70	233.70	1,350.00	1,116.30	17.3
60-53800-66-315-923	.00	.00	1,200.00	1,200.00	.0
60-53800-66-316-923	24.51	24.51	21,000.00	20,975.49	.1
60-53800-66-317-923	.00	99.95	1,500.00	1,400.05	6.7
60-53800-66-317-930	30.50	126.50	2,300.00	2,173.50	5.5
60-53800-66-319-923	26.25	26.25	1,200.00	1,173.75	2.2
60-53800-66-319-935	.00	.00	5,200.00	5,200.00	.0
60-53800-66-321-935	260.86	276.69	2,300.00	2,023.31	12.0
60-53800-66-325-935	337.37	351.27	3,100.00	2,748.73	11.3

CITY OF MAYVILLE  
 EXPENDITURES WITH COMPARISON TO BUDGET  
 FOR THE 2 MONTHS ENDING FEBRUARY 29, 2024

(60) WATER FUND

	PERIOD ACTUA	YTD ACTUAL	BUDGET	UNEXPENDED	PCNT
60-53800-66-327-921	113.51	121.67	7,000.00	6,878.33	1.7
60-53800-66-331-933	570.97	570.97	2,500.00	1,929.03	22.8
60-53800-66-334-924	1,647.65	1,647.65	9,516.00	7,868.35	17.3
60-53800-66-335-933	375.14	375.14	2,150.00	1,774.86	17.5
60-53800-66-336-924	470.64	470.64	2,448.00	1,977.36	19.2
60-53800-66-341-428	.00	.00	7,500.00	7,500.00	.0
60-53800-66-353-427	.00	.00	36,465.00	36,465.00	.0
60-53800-66-386-933	242.94	242.94	3,458.00	3,215.06	7.0
60-53800-66-387-924	1,454.24	1,454.24	8,618.00	7,163.76	16.9
60-53800-66-392-408	.00	.00	200,000.00	200,000.00	.0
60-53800-66-902-935	.00	.00	6,500.00	6,500.00	.0
TOTAL ADMIN & GENERAL	18,622.69	31,762.61	819,468.00	787,705.39	3.9
TOTAL FUND EXPENDITURES	54,050.59	76,321.22	1,334,911.00	1,258,589.78	5.7
NET REVENUE OVER EXPENDITURES	57,489.04	175,135.71	18,211.00	( 156,924.71)	961.7

**CITY OF MAYVILLE**

**SUMMARY OF CASH POSITION BY FUND  
AS OF FEBRUARY 29, 2024**

	THIS MONTH	LAST MONTH	CHANGE
<b>(60) WATER FUND</b>			
TREASURER'S CHECKING	2,337,461.55	2,420,766.68	( 83,305.13)
INVESTMENTS-AMERICAN 15 MO CD	.00	.00	.00
INVESTMENTS-WU CD	.00	.00	.00
INVESTMENTS-DEBT SERVICE RESER	.00	.00	.00
INVESTMENTS-DS RESERVE MSB	.00	.00	.00
INVESTMENTS-DS RESERVE MSB MM	.00	.00	.00
INVESTMENTS-STATE FUNDS #14	.00	.00	.00
INVESTMENTS-STATE FUNDS #2	.00	.00	.00
INVESTMENTS-BANKONE ASSET MGMT	.00	.00	.00
TSB-WATER UTILITY MONEY MARKET	679,511.41	676,616.38	2,895.03
INVESTMENTS-STATE FUNDS #4	.00	.00	.00
INVESTMENTS-RESERVED	.00	.00	.00
TSB-WATER REDEMPTION MONEY MAR	65,559.21	65,279.90	279.31
TSB-WATER IMPACT FEES MONEY MA	1,220.22	1,215.02	5.20
M&I WATER REDEMPTION CD	.00	.00	.00
FBB-WATER UTILITY CD	.00	.00	.00
FBB-WATER DEPRECIATION CD	.00	.00	.00
TSB-WATER DEPRECIATION MM	206,850.86	205,969.58	881.28
M&I-WATER CD	.00	.00	.00
MSB-WATER UTILITY CD	.00	.00	.00
PETTY CASH & CHANGE BOX	175.00	175.00	.00
CASH RECEIPTS CLEARING	1,250.20	1,250.20	.00
ADVANCE TO WASTEWATER UTILITY	.00	.00	.00
<b>TOTAL (60) WATER FUND</b>	<b>3,292,028.45</b>	<b>3,371,272.76</b>	<b>( 79,244.31)</b>
<b>(61) SEWER FUND</b>			
TREASURER'S CHECKING	598,644.93	696,062.61	( 97,417.68)
INVESTMENTS-BANKONE ASSET MGMT	.00	.00	.00
TSB-SEWER REPLACEMENT MM	1,242,219.19	1,236,926.77	5,292.42
INVESTMENTS-STATE FUNDS #10	.00	.00	.00
INVESTMENTS-STATE FUNDS #3	.00	.00	.00
TSB-SEWER RESERVE MONEY MARKET	1,175.99	1,170.98	5.01
INVESTMENTS-STATE FUNDS #5	.00	.00	.00
SEWER UTILITY RESERVE CD	.00	.00	.00
TSB-SEWER UTILITY MONEY MARKET	359,978.53	358,444.86	1,533.67
FBB-SEWER UTILITY CD	.00	.00	.00
FBB-SEWER DEPRECIATION CD	.00	.00	.00
INVESTMENTS-STATE FUNDS #9	.00	.00	.00
FBB-SEWER REDEMPTION CD	.00	.00	.00
FBB-SEWER CONNECTIONS CD	.00	.00	.00
TSB-SEWER DEPRECIATION MM	.00	.00	.00
TSB-SEWER REDEMPTION MONEY MM	67,781.43	67,492.65	288.78
TSB-SEWER CONNECTIONS MM	177,222.06	176,467.01	755.05
PETTY CASH & CHANGE BOX	175.00	175.00	.00
<b>TOTAL (61) SEWER FUND</b>	<b>2,447,197.13</b>	<b>2,536,739.88</b>	<b>( 89,542.75)</b>
<b>TOTAL CASH - ALL FUNDS</b>	<b>5,739,225.58</b>	<b>5,908,012.64</b>	<b>( 168,787.06)</b>



Vendor Name	Description	Invoice Number	Invoice Date	Amount Paid	Voided
<b>61-17005-00-000-183 PRELIMINARY SURVEY</b>					
MSA PROFESSIONAL SERVICES IN	FACILITIES PLANNING	R00052025.00	02/28/2024	57,535.37	
Total 61-17005-00-000-183 PRELIMINARY SURVEY:				57,535.37	
<b>61-53610-65-314-840 BILL/COLLECT/ACCT-SUPPLIES OFF</b>					
MULTI MEDIA CHANNELS LLC	WATER AGENDA	185861	02/26/2024	14.56	
Total 61-53610-65-314-840 BILL/COLLECT/ACCT-SUPPLIES OFF:				14.56	
<b>61-53610-66-302-856 MISC GEN MEMBERSHIP DUES</b>					
WISCONSIN DEPT OF NATURAL RE	CC WASTEWATER DNR RENEWAL	DNR RENEWAL 2024	03/01/2024	45.00	
Total 61-53610-66-302-856 MISC GEN MEMBERSHIP DUES:				45.00	
<b>61-53610-66-303-856 MISC GEN REGISTRATION FEES</b>					
CLARK, COREY	REIMBURSEMENT DMV WW	697715224026	01/26/2024	15.30	
Total 61-53610-66-303-856 MISC GEN REGISTRATION FEES:				15.30	
<b>61-53610-66-306-856 MISC GEN TRAVEL EMPLOYEE</b>					
KELLEY, MIKE	TRAVEL REIMBURSEMENT	TRAVEL REIMBURSEM	02/22/2024	42.08	
Total 61-53610-66-306-856 MISC GEN TRAVEL EMPLOYEE:				42.08	
<b>61-53610-66-314-851 OFFICE-SUPPLIES OFFICE</b>					
AMAZON CAPITAL SERVICES	UTILITIES SUPPLIES	13QC-M7RG-64GW	02/26/2024	35.00	
AMAZON CAPITAL SERVICES	UTILITIES SUPPLIES	1PPR-XKHJ-4HW7	02/21/2024	10.36	
Total 61-53610-66-314-851 OFFICE-SUPPLIES OFFICE:				45.36	
<b>61-53610-66-317-852 OUTSIDE SERV OTH PROFESSIONAL</b>					
WISEGUY IT LLC	IT Professional Services	1193	01/15/2024	302.50	
WISEGUY IT LLC	IT Professional Services	1238	01/31/2024	165.00	
WISEGUY IT LLC	IT Professional Services	1238	01/31/2024	165.00	
Total 61-53610-66-317-852 OUTSIDE SERV OTH PROFESSIONAL:				632.50	
<b>61-53610-66-327-851 OFFICE - SUPPLIES EQUIPMENT</b>					
BADGER METER INC	BECON MBL HOSTING SERV UNIT WW	80153762	02/28/2024	99.00	
Total 61-53610-66-327-851 OFFICE - SUPPLIES EQUIPMENT:				99.00	
<b>61-53610-67-319-827 OTH OPER CONTRACTED SLUDGE</b>					
BADGER STATE WASTE LLC	SLUDGE HAULING	4268	03/07/2024	16,628.40	
Total 61-53610-67-319-827 OTH OPER CONTRACTED SLUDGE:				16,628.40	
<b>61-53610-67-325-827 OTH OPER - SUPPLIES OPERATING</b>					
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	2930/1	02/26/2024	23.89	
Total 61-53610-67-325-827 OTH OPER - SUPPLIES OPERATING:				23.89	
<b>61-53610-67-331-828 TRANSPORT SUPPLIES VEHICLES</b>					
COMPLETE H-D SPECIALIST LLC	CHECK ENGINE LIGHT	21308	02/20/2024	175.73	
NAPA AUTO PARTS DIV OF MPEC -	UTILITY SUPPLIES	335-286044	02/14/2024	20.99	
NAPA AUTO PARTS DIV OF MPEC -	UTILITY SUPPLIES	335-286513	02/21/2024	11.99	

Vendor Name	Description	Invoice Number	Invoice Date	Amount Paid	Voided
Total 61-53610-67-331-828 TRANSPORT SUPPLIES VEHICLES:				208.71	
<b>61-53610-67-364-824 OPERATING EXPENSE-PHOS REM CH</b>					
NEO WATER TREATMENT LLC	RE-300	IN000624	02/22/2024	40,354.05	
Total 61-53610-67-364-824 OPERATING EXPENSE-PHOS REM CH:				40,354.05	
<b>61-53610-68-317-834 MAINT GEN PLANT PROF SERV</b>					
TRANE	REPAIRS	314349906	02/23/2024	1,334.53	
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	2872/1	02/22/2024	43.04	
Total 61-53610-68-317-834 MAINT GEN PLANT PROF SERV:				1,377.57	
<b>61-53610-68-321-834 MAINT GEN PLANT JANITOR SUPPLY</b>					
O'REILLY AUTO PARTS	SUPPLIES - UTILITIES	5059-338911	02/20/2024	20.97	
Total 61-53610-68-321-834 MAINT GEN PLANT JANITOR SUPPLY:				20.97	
<b>61-53610-68-325-834 MAINT GEN PLANT OPER SUPPLY</b>					
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	2564/1	02/02/2024	3.41	
SUNSET HILL SCREEN PRINTING L	UTILITY SAFETY CLOTHING	245	02/29/2024	582.50	
CLARK, COREY	BOOT REIMBURSEMENT WW	2024 BOOT REIMBURS	02/28/2024	75.00	
Total 61-53610-68-325-834 MAINT GEN PLANT OPER SUPPLY:				660.91	
<b>61-53610-68-327-833 MAINT TREAT/DISP EQUIP-SUPPLY</b>					
AMAZON CAPITAL SERVICES	UTILITIES SUPPLIES	1PPR-XKHJ-4HW7	02/21/2024	24.99	
Total 61-53610-68-327-833 MAINT TREAT/DISP EQUIP-SUPPLY:				24.99	
<b>61-53610-69-317-827 LAB PROFESSIONAL SERV</b>					
NORTH CENTRAL LABORATORIES	WW LAB SUPPLIES	500503	03/05/2024	516.30	
NBS CALIBRATIONS	LAB CALIBRATIONS ANNUAL	139628	02/02/2024	185.00	
Total 61-53610-69-317-827 LAB PROFESSIONAL SERV:				701.30	
<b>Grand Totals:</b>				<b>118,429.96</b>	

Vendor Name	Description	Invoice Number	Invoice Date	Amount Paid	Voided
<b>60-17005-00-000-183 PRELIMINARY SURVEY</b>					
MADDEN LAW GROUP	SEWER FACILITIES PLANNING	14285	02/21/2024	421.00	
TOWN & COUNTRY ENGINEERING I	WELL #2, 3 & 5	26436	03/07/2024	15,219.70	
Total 60-17005-00-000-183 PRELIMINARY SURVEY:				15,640.70	
<b>60-18005-00-100-107 CONSTRUCTION WORK IN PROGRESS</b>					
TOWN & COUNTRY ENGINEERING I	WELL #4 TASK ORDER #2	26435	03/07/2024	2,557.50	
CD SMITH CONSTRUCTION	Well #4 SDWLP- Payment #9	PAYMENT REQUEST 9	03/01/2024	51,733.88	
Total 60-18005-00-100-107 CONSTRUCTION WORK IN PROGRESS:				54,291.38	
<b>60-53800-62-317-625 PUMP-MAINT PLANT-OTHER PROF</b>					
SELLNOW ELECTRIC LLC	WELL #5 CHEMICAL PUMPS	680	01/09/2024	195.00	
Total 60-53800-62-317-625 PUMP-MAINT PLANT-OTHER PROF:				195.00	
<b>60-53800-63-325-632 TREAT-OPER-SUPPLIES</b>					
NORTH CENTRAL LABORATORIES	IRON TESTS	500115	02/26/2024	153.44	
Total 60-53800-63-325-632 TREAT-OPER-SUPPLIES:				153.44	
<b>60-53800-63-364-631 TREAT-CHEM-CHLORINE</b>					
MARTELLE WATER TREATMENT IN	CHLORINE	26641	02/22/2024	1,320.62	
Total 60-53800-63-364-631 TREAT-CHEM-CHLORINE:				1,320.62	
<b>60-53800-64-319-641 TRANS-OPER-CONTRACTED SERVICES</b>					
HYDRO CORP	CC INSPECTIONS RES	76649-IN	02/29/2024	699.00	
HYDRO CORP	CC INSPECTIONS COMM	76858-IN	02/29/2024	1,084.00	
Total 60-53800-64-319-641 TRANS-OPER-CONTRACTED SERVICES:				1,783.00	
<b>60-53800-64-410-651 TRANS-MAINT MAINS-REPAIRS</b>					
TOWN & COUNTRY UNDERGROUN	DAYTON/CLARK MAIN BREAK	54513-IN	02/20/2024	5,398.80	
Total 60-53800-64-410-651 TRANS-MAINT MAINS-REPAIRS:				5,398.80	
<b>60-53800-66-302-930 ADM/GEN-MEMBERSHIPS</b>					
WISCONSIN DEPT OF NATURAL RE	TG WATER DNR RENEWAL	DNR RENEWAL 2024	03/01/2024	45.00	
WISCONSIN DEPT OF NATURAL RE	CC WATER DNR RENEWAL	DNR RENEWAL 2024	03/01/2024	45.00	
Total 60-53800-66-302-930 ADM/GEN-MEMBERSHIPS:				90.00	
<b>60-53800-66-303-930 ADM/GEN-REGISTRATION FEES</b>					
CLARK, COREY	REIMBURSEMENT DMV W	697715224026	01/26/2024	15.30	
Total 60-53800-66-303-930 ADM/GEN-REGISTRATION FEES:				15.30	
<b>60-53800-66-306-930 ADM/GEN-TRAVEL EMPLOYEE</b>					
KELLEY, MIKE	TRAVEL REIMBURSEMENT	TRAVEL REIMBURSEM	02/22/2024	42.07	
Total 60-53800-66-306-930 ADM/GEN-TRAVEL EMPLOYEE:				42.07	
<b>60-53800-66-310-930 ADM/GEN-PUBLICATION NOTICES</b>					
MULTI MEDIA CHANNELS LLC	WATER AGENDA	185861	02/26/2024	14.56	

Vendor Name	Description	Invoice Number	Invoice Date	Amount Paid	Voided
Total 60-53800-66-310-930 ADM/GEN-PUBLICATION NOTICES:				14.56	
<b>60-53800-66-314-921 ADM/GEN-OFFICE SUPPLIES</b>					
AMAZON CAPITAL SERVICES	UTILITIES SUPPLIES	13QC-M7RG-64GW	02/26/2024	34.99	
Total 60-53800-66-314-921 ADM/GEN-OFFICE SUPPLIES:				34.99	
<b>60-53800-66-319-923 ADM/GEN-CONTRACTED SERVICES</b>					
WISEGUY IT LLC	IT Professional Services	1193	01/15/2024	302.50	
Total 60-53800-66-319-923 ADM/GEN-CONTRACTED SERVICES:				302.50	
<b>60-53800-66-319-935 ADM/GEN-MAINT GEN-CONTRACTED</b>					
TRANE	REPAIRS	314349906	02/23/2024	1,334.52	
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	2872/1	02/22/2024	43.05	
Total 60-53800-66-319-935 ADM/GEN-MAINT GEN-CONTRACTED:				1,377.57	
<b>60-53800-66-321-935 ADM/GEN-JANITORIAL SUPPLIES</b>					
O'REILLY AUTO PARTS	SUPPLIES - UTILITIES	5059-338911	02/20/2024	20.98	
O'REILLY AUTO PARTS	SUPPLIES - UTILITIES	5059-339701	02/28/2024	17.53	
AMAZON CAPITAL SERVICES	UTILITIES SUPPLIES	1PPR-XKHJ-4HW7	02/21/2024	10.37	
Total 60-53800-66-321-935 ADM/GEN-JANITORIAL SUPPLIES:				48.88	
<b>60-53800-66-325-935 ADM/GEN-MAINT GEN-SUPPLIES</b>					
MAYVILLE ACE HARDWARE	SUPPLIES - UTILITIES	2870/1	02/22/2024	15.18	
SUNSET HILL SCREEN PRINTING L	UTILITY SAFETY CLOTHING	245	02/29/2024	582.50	
AMAZON CAPITAL SERVICES	UTILITIES SUPPLIES	1PPR-XKHJ-4HW7	02/21/2024	19.68	
CLARK, COREY	BOOT REIMBURSEMENT W	2024 BOOT REIMBURS	02/28/2024	75.00	
Total 60-53800-66-325-935 ADM/GEN-MAINT GEN-SUPPLIES:				692.36	
<b>60-53800-66-327-921 ADM/GEN-OFFICE SUPPLIES-EQUIP</b>					
BADGER METER INC	BECON MBL HOSTING SERV UNIT W	80153762	02/28/2024	99.00	
Total 60-53800-66-327-921 ADM/GEN-OFFICE SUPPLIES-EQUIP:				99.00	
<b>60-53800-66-331-933 ADM/GEN-SUPPLIES VEHICLES</b>					
NAPA AUTO PARTS DIV OF MPEC -	UTILITY SUPPLIES	335-286513	02/21/2024	12.00	
Total 60-53800-66-331-933 ADM/GEN-SUPPLIES VEHICLES:				12.00	
Grand Totals:				81,512.17	



**WATER & WASTEWATER COMMISSION  
REGULAR MEETING AGENDA  
Tuesday, April 9, 2024- 4:00 PM  
City Hall**

**AGENDA**

**(A Quorum of Council Members May be Present)**

- A. Call to Order and Roll Call
- B. Citizens Comments  
*Citizen Comments are to be kept to a maximum of five minutes per speaker unless the chairperson allows an extension of time. Each citizen is to make comments at the podium after stating name and address. Each citizen may comment only one time per public hearing / meeting.*
- C. Discussion and possible action regarding possible sewer and water additions to Tower Drive parcels 251-1216-2423-041 and 251-1216-2423-042.
- D. Discussion and possible action regarding long range cash flow projection for water & sewer presented by Lisa Trebatoski of Ehlers Public Finance Advisors.
- E. Discussion and possible action regarding Shore Lane parcel 251-1216-2341-078 drainage remediation agreement upon sale of property.
- F. Discussion and possible action regarding approving MSA design intent on NFPA classifications.
- G. Discussion and possible action for listing surplus items.
- H. Approve Consent Agenda.
  - a. Minutes of March 5, 2024 Commission Meeting
  - b. Water Utility Bills
  - c. Wastewater Utility Bills
- I. Water Report.
  - a. Well & Distribution System Report/Discussion
- J. Wastewater Report.
  - a. Sewer System Report/Discussion
- K. Convene into Closed Session Pursuant to Section 19.85 (1) ( c ), considering employment, promotion, compensation, or performance evaluation data of any public employee over which the governmental body has jurisdiction or exercises responsibility.
  - a. Discussion regarding donation of employee sick pay.
  - b. Reconvene Into Open Session with Possible Action.
- L. Adjournment.

Next scheduled meeting is May 7, 2024; 4:00 PM at Mayville City Hall.

NOTE: Persons with disabilities requiring special accommodations for attendance at the meeting should contact City Hall at least one (1) business day prior to the meeting This agenda was posted and made available to the news media in compliance with the open meeting law.

Burt Bushke  
Commission President

NOTE: Persons with disabilities requiring special accommodations for attendance at the meeting should contact City Hall at least one (1) business day prior to the meeting. This agenda was posted and made available to the news media in compliance with the open meeting law.

**Courtney Steger**

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**From:** Courtney Steger  
**Sent:** Tuesday, March 19, 2024 7:54 AM  
**To:** Tim Gutjahr  
**Subject:** Fwd: Tower Dr Development

Sent from my U.S.Cellular© Smartphone  
Get [Outlook for Android](#)

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**From:** Gregory Droessler <gdroessler@tcengineers.net>  
**Sent:** Monday, March 18, 2024 3:25:16 PM  
**To:** Courtney Steger <csteger@mayvillecity.com>  
**Subject:** RE: Tower Dr Development

Courtney,

I talked to our municipal lead on this just to make sure I have my facts straight on this, here are a few things we should talk about.

- **Water Main:** The total length is about 800' to loop the main, 475' to get past the 3 new lots on the south end and an additional 325' to loop to the existing at the north end.
  - **Costs:** I think you're looking at about \$100K - \$125K to loop that water main as there is about 800' of pipe there. This will vary a bit based on how many valves we add at each end, etc., but I assumed 4 new valves, 800' of 8" pipe, 1 new hydrant, and 3 new services. This would include replacing a portion of the road as well.
  - **Funding:** The project would not be eligible for SDW funding as it would be for new development and not just replacement of existing. In theory a portion of this might be eligible, but the cost of securing the funds may outweigh the benefit.
- **Sanitary Sewer:** I looked at extending sewer off of High Street to the 3 new lots. I came up with 475' of new pipe and 3 manholes as I'd have to add one in High Street based on the mapping. Depending on the depth here, you're looking at maybe \$50K to \$70K for this as well.
  - **Funding:** This is for new development so not eligible for grant or loan funding.
- **Street:** Assuming you have 800' of street at 22' wide, you'd be looking at about 450 tons of asphalt or somewhere around \$45K.

Looking at this, if the City were to look at looping the water main and extending sewer to the 3 lots on the south end, you're looking at a project that is likely in the \$200 - \$250K range. Obviously this would be more if you require curb and gutter or wider streets as well.

I wanted to let you know about what cost this would be before we run to far with this as it's quite a bit of money for 3 residential lots. Please let me know if you want me to proceed with putting together a proposal for this for the April meeting.

Thanks,

*Greg*

Gregory J. Droessler, P.E. – Vice President

[gdroessler@tcengineers.net](mailto:gdroessler@tcengineers.net)  
Town and Country Engineering, Inc.  
10505 Corporate Drive  
Suite 105A  
Pleasant Prairie, WI 53158  
262.925.3210 (direct)  
608.273.3350 (office)  
262.620.2914 (cell)

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**From:** Courtney Steger <csteger@mayvillecity.com>  
**Sent:** Thursday, March 7, 2024 10:38 AM  
**To:** Gregory Droessler <gdroessler@tcengineers.net>  
**Subject:** Tower Dr Development

Hi Greg,

Below is the basic drawing of the project area with development potential. The southern central 2 yellow x's are the first area's of interest for development. Parcels farthest north, south and east would have development potential as well. Our thought was to loop the water system from hydrant 16-01 south back to High Street to accommodate a portion of the water system as well as creating a loop. We'd have to have some clever ideas regarding sewer connections as well as the development potential for the city is pretty impactful, but challenging.

The link to GIS is here as well:

<https://diamondMaps.com/map.ashx?key=14309240307113510616>





If you need any further before Tuesday let me know!

Thank you,

*Courtney Steger*

Utilities Director

Phone: 920-387-7906 ext 1223

[csteger@mayvillecity.com](mailto:csteger@mayvillecity.com)





April 9, 2024

2024 WATER RATE STUDY:

# City of Mayville, WI

## Long-Range Cash Flow Analysis



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**Prepared by:**

Ehlers  
N19W24400 Riverwood Drive,  
Suite 100  
Waukesha, WI 53188

**Advisors:**

Lisa Trebatoski  
*Associate Municipal Advisor*  
Philip Cosson  
*Senior Municipal Advisor*

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**BUILDING COMMUNITIES. IT'S WHAT WE DO.**



## 2024 Water Rate Study

### Section 1 — Historical Analysis

City of Mayville, WI

# Table 1 Water Rate Performance

City of Mayville, WI

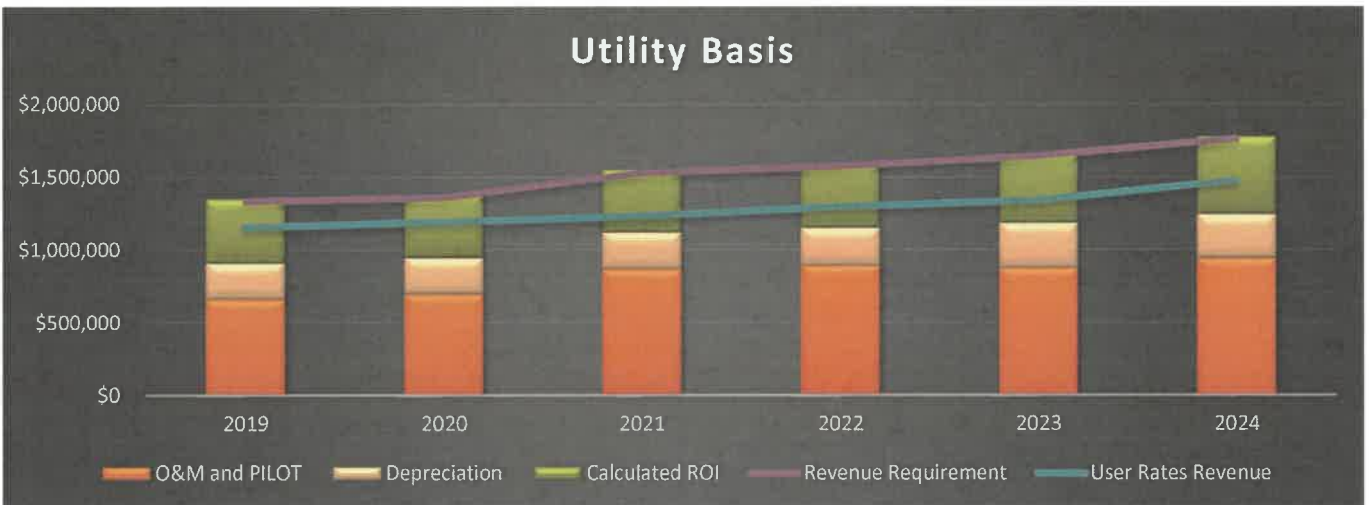
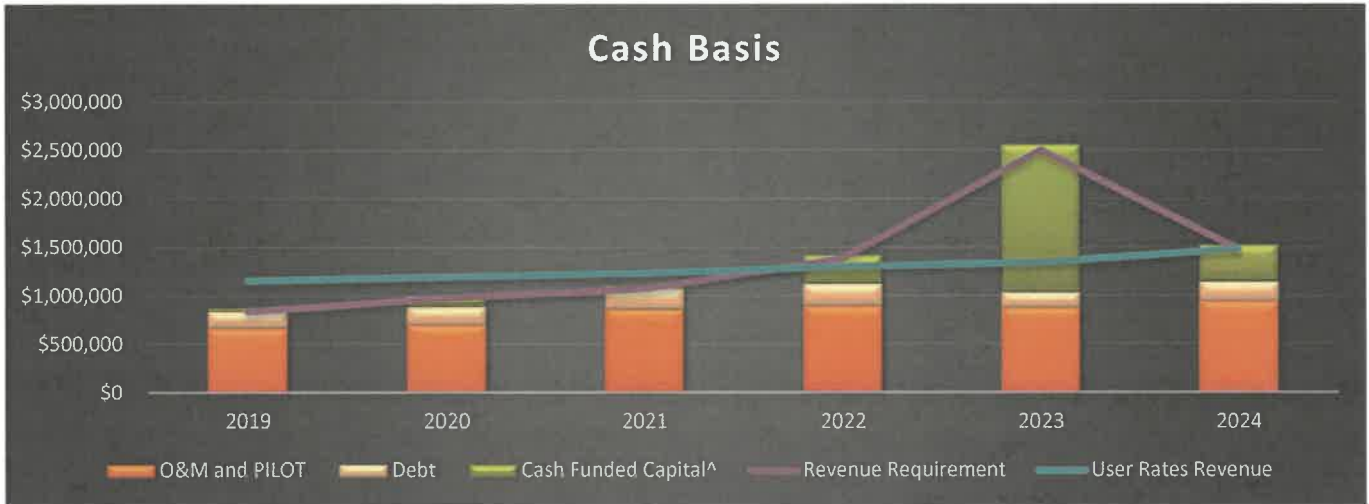
Revenue Requirement						Est	Budget
Component	Description	2019	2020	2021	2022	2023	2024
<b>Cash Basis</b>							
1	O&M and PILOT	\$658,863	\$695,206	\$863,132	\$889,669	\$872,754	\$943,159
2	Debt	\$178,179	\$187,858	\$208,759	\$225,690	\$158,568	\$198,033
3	Cash Funded Capital <sup>A</sup>	\$29,257	\$115,413	\$20,876	\$295,270	\$1,526,190	\$376,846
Less:							
	Other Revenue	\$14,106	\$13,352	\$24,164	\$16,161	\$11,057	\$15,904
	Interest Income	\$19,285	\$7,250	\$1,628	\$10,598	\$42,496	\$24,250
	Revenue Requirement (Costs less Other Income)	\$832,908	\$977,875	\$1,066,975	\$1,383,870	\$2,503,959	\$1,477,884
	User Rates Revenue	\$1,153,947	\$1,193,187	\$1,232,337	\$1,298,880	\$1,340,088	\$1,478,850
	Rate Adequacy	\$321,039	\$215,312	\$165,362	(\$84,990)	(\$1,163,871)	\$966
	Rate Adjustment Needed	0.00%	0.00%	0.00%	6.54%	86.85%	0.00%
<b>Utility Basis (PSC)</b>							
1	O&M and PILOT	\$658,863	\$695,206	\$863,132	\$889,669	\$872,754	\$943,159
2	Depreciation	\$249,426	\$250,829	\$256,087	\$262,121	\$311,500	\$303,371
	NIRB	\$6,765,042	\$6,579,449	\$6,651,766	\$6,769,061	\$7,293,638	\$8,202,376
	Benchmark ROI %	4.90%	5.70%	4.90%	4.90%	4.90%	6.50%
3	Calculated ROI	\$439,728	\$427,664	\$432,365	\$439,989	\$474,086	\$533,154
Less:							
	Other Revenue	\$14,106	\$13,352	\$24,164	\$16,161	\$11,057	\$15,904
	Revenue Requirement (Costs less Other Income)	\$1,333,911	\$1,360,347	\$1,527,420	\$1,575,618	\$1,647,283	\$1,763,781
	User Rates Revenue	\$1,153,947	\$1,193,187	\$1,232,337	\$1,298,880	\$1,340,088	\$1,478,850
	Rate Adequacy	(\$179,964)	(\$167,160)	(\$295,083)	(\$276,738)	(\$307,195)	(\$284,931)
	Rate Adjustment Needed	15.60%	14.01%	23.94%	21.31%	22.92%	19.27%

**Notes:**

<sup>A</sup>Includes recommended debt coverage at 1.1x annual debt payment

# Table 2 Water Utility Rate Performance Charts

City of Mayville, WI





## Table 3

# Water Utility Cash Flow Analysis - Historical 2019-2023

City of Mayville, WI

	Actual				Estimated
	2019	2020	2021	2022	2023
<b>Revenues</b>					
Total Revenues from User Rates	\$1,153,947	\$1,193,187	\$1,232,337	\$1,298,880	\$1,340,088
<b>Percent Increase to User Rates</b>					
Total Other Revenues	\$33,391	\$20,602	\$25,792	\$26,759	\$53,553
<b>Total Revenues</b>	<b>\$1,187,338</b>	<b>\$1,213,789</b>	<b>\$1,258,129</b>	<b>\$1,325,639</b>	<b>\$1,393,641</b>
<b>Less: Expenses</b>					
Operating and Maintenance	\$455,805	\$496,350	\$668,481	\$756,415	\$739,500
PILOT Payment	\$203,058	\$198,856	\$194,651	\$133,254	\$133,254
<b>Net Before Debt Service and Capital Expenditures</b>	<b>\$528,475</b>	<b>\$518,583</b>	<b>\$394,997</b>	<b>\$435,970</b>	<b>\$520,887</b>
Existing Debt P&I	\$178,179	\$187,858	\$208,759	\$225,690	\$158,568
Transfer In (Out)/Cap. Contrib.	-\$6,500	-\$6,500	-\$6,500	-\$6,500	-\$6,500
Less: Capital Improvements	\$117,543	\$96,627	\$1,988,022	\$399,508	\$1,510,333
Debt Proceeds/Grants	\$76,638	-\$5,002	\$1,631,226	\$554,909	\$0
Reconcile to Audit	\$7,899	\$30,932	\$16,894	-\$34,184	\$0
<b>Net Annual Cash Flow</b>	<b>\$310,790</b>	<b>\$253,528</b>	<b>(\$160,164)</b>	<b>\$324,997</b>	<b>(\$1,154,514)</b>
<b>Restricted and Unrestricted Cash Balance:</b>					
Balance at first of year	\$2,743,436	\$3,054,226	\$3,307,754	\$3,147,590	\$3,472,587
Net Annual Cash Flow Addition/(subtraction)	\$310,790	\$253,528	-\$160,164	\$324,997	-\$1,154,514
Balance at end of year	\$3,054,226	\$3,307,754	\$3,147,590	\$3,472,587	\$2,318,073

**Notes:**

# Table 4 Water Utility Financial Benchmarking Analysis

City of Mayville, WI

	Actual				Estimated
	2019	2020	2021	2022	2023
<b>Target minimum cash balance</b>					
Target minimum working capital - Ehlers <sup>1</sup>	674,918	782,342	815,476	750,695	821,298
Actual Days Cash Available - PSC <sup>2</sup>	2,084	2,087	1,451	1,446	940
Actual Days Cash Available - Moody's <sup>3</sup>	2,248	2,233	1,558	1,522	987
Actual Days Cash Available - S&P <sup>4</sup>	2,446	2,233	1,558	1,522	987
<b>Actual working capital-cash balance</b>					
Over (Under) Ehlers target	3,054,226	3,307,754	3,147,590	3,472,587	2,318,073
Over (Under) PSC target (90 days)	2,379,309	2,525,413	2,332,115	2,721,892	1,496,775
Over (Under) Moody's target (150 days)	1,994	1,997	1,361	1,356	850
Over (Under) S&P target (150 days)	2,098	2,083	1,408	1,372	837
	2,296	2,083	1,408	1,372	837

**Notes:**

- 1) Target capital equals 6 mos of next year's operating expenses, including depreciation, plus 100% of following year's debt.
- 2) PSC formula = O&M expense + taxes + interest on long term debt ÷ 365 to get expense per day. Then Unrestricted Cash + expense per day
- 3) Moody's Formula = [(Unrestricted Cash + Liquid Investments) \* 365 days] ÷ Total O&M Expenses less Depreciation
- 4) S&P Formula = [(Unrestricted Cash + Liquid Investments) \* 365 days] ÷ Total O&M Expenses less Depreciation; include designated reserve funds: ERFs, RSFs, etc

**Rate of Return**

Average Utility Plant in Service	10,815,364	10,859,120	11,114,345	11,407,052	12,235,438
Plus: Materials and Supplies	22,617	23,296	23,388	25,955	23,814
Less: Avg. Utility Plant Accum. Depreciation	4,028,696	4,268,555	4,461,387	4,649,198	4,904,814
Less: Regulatory Liability	44,244	34,412	24,580	14,748	4,916
Average Net Investment Rate Base (NIRB)	6,765,042	6,579,449	6,651,766	6,769,061	7,349,522
Net Operating Income	269,127	253,517	115,461	132,638	195,141
ROR	3.98%	3.85%	1.74%	1.96%	2.66%
Benchmark	4.90%	5.70%	4.90%	4.90%	4.90%

**Cost Recovery**

Operating Revenues	1,168,053	1,206,539	1,256,501	1,315,041	1,351,145
Operating Expenses incl. Depr & Amortization	936,536	974,119	1,147,165	1,179,571	1,184,254
Operating Expenses w/o Depr & Amortization	658,863	695,206	863,132	889,669	872,754
Cost Recovery incl. Depr	1.25	1.24	1.10	1.11	1.14
Cost Recovery w/o Depr	1.42	1.40	1.33	1.33	1.36
Target	1.00	1.00	1.00	1.00	1.00

**Notes:**

This operating ratio indicates whether operating revenues (mostly charges to customers) were sufficient to cover operations and capital (in the form of depreciation) for the water and/or wastewater utility in the fiscal year. A ratio of less than 1 could be a sign of financial concern. In general, this ratio should be higher than 1 to accommodate future capital investments.



<b>Leverage</b>					
Total Long-Term Debt	1,888,973	1,705,479	2,216,589	2,025,784	4,777,919
Total Net Assets	12,409,589	12,481,062	12,905,439	13,049,077	14,559,410
Debt-to Equity Ratio	0.15	0.14	0.17	0.16	0.33

**Notes:**

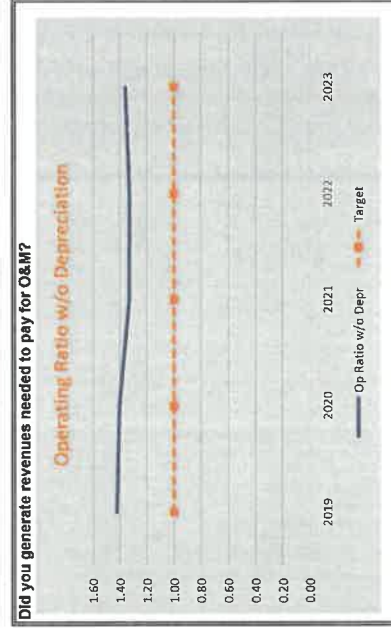
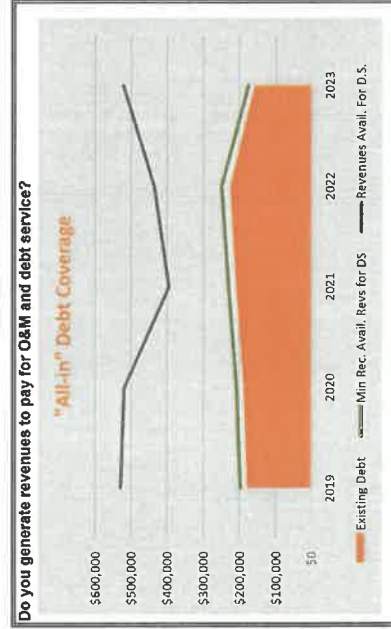
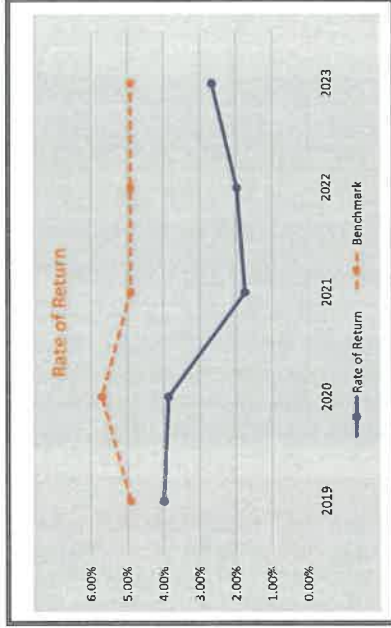
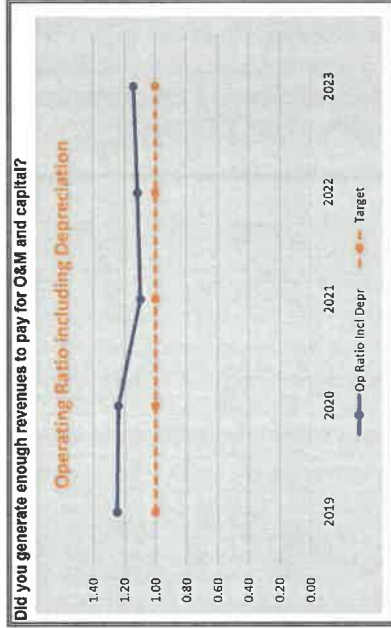
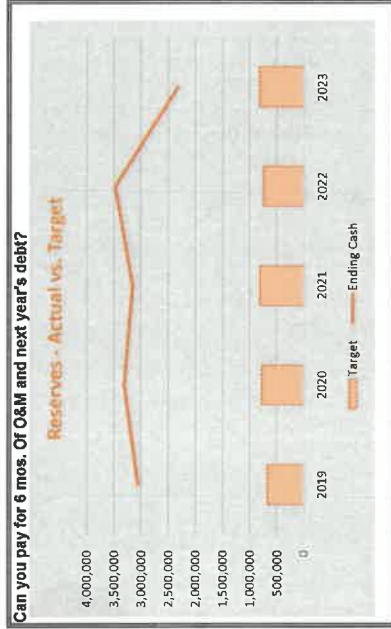
This indicator measures the existing level of leveraging of assets, and is used by funders and bond rating agencies to evaluate the risk of providing additional loans to the utility. The ratio indicates the amount of long-term debt that exists for every \$1 of assets (fund equity). A utility with a ratio greater than 1.0 has more long-term debt than equity in the system's assets. There are no natural benchmarks for this indicator, and funders and bond rating agencies will assess this ratio in various ways. In general, the higher this ratio, the more likely the utility will be considered to be over-leveraged and the more difficult it will be for the utility to obtain additional loans. For this ratio, Net Assets are equal to the Net Investment Rate Base of the utility.

<b>Condition of Assets:</b>					
Accumulated Depreciation Expense	4,666,352	4,932,460	5,093,446	5,346,409	5,657,909
Total Net Assets	12,409,589	12,481,062	12,905,439	13,049,077	14,559,410
Asset Depreciation	37.60%	39.52%	39.47%	40.97%	38.86%

**Notes:**

This indicator of infrastructure condition estimates the portion of the average expected life of the utility's physical assets that has already passed. As this ratio approaches 100%, the capital assets become fully depreciated, and infrastructure needs replacement or rehabilitation. The accuracy of this indicator relies heavily on the accuracy of the depreciation schedule, and historic pricing likely distorts this indicator (newer utilities may be slightly disadvantaged as a result).

**Table 5**  
**Water Utility Financial Health Charts**  
*City of Mayville, WI*





## 2024 Water Rate Study

### Section 2 — Long-Range Cash Flow Analysis

City of Mayville, WI

**Table 6**  
**Water Utility Capital Improvement Plan**  
*City of Mayville, WI*

Projects	Funding	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Totals
Water Valve Replacements	Cash	25,000	25,000	25,000	25,000							100,000
Hydrant Repairs	Cash	15,000	15,000	15,000	15,000							60,000
Scag 40 HP Briggs 61" Deck	Cash	1,500										1,500
Muzzy/Allen Street/Grove St 100 Block (Grove All	Cash	325,543										325,543
Alpha/Mayer/Circle	Cash		500,000									500,000
Metalcraft Railroad Main Lining	Cash		200,000									200,000
Grand/Wisconsin	Cash			350,000								350,000
South/Fourth/ Dayton 500	Cash				375,000							375,000
Clark Street- Horicon to 4th	Cash					600,000						600,000
Water Service Vehicle	Cash		60,000									60,000
Sewer Jetter	Cash				130,666							130,666
Clark Tower Painting	G.O. Debt	385,000										385,000
Cash Funded Capital Placeholder	Cash						500,000	500,000	500,000	500,000	500,000	2,500,000
<b>Actual CIP Costs</b>		<b>752,043</b>	<b>800,000</b>	<b>390,000</b>	<b>545,666</b>	<b>600,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>5,587,709</b>

Sources of Funding	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Totals
G.O. Debt	385,000	0	0	0	0	0	0	0	0	0	385,000
Revenue Debt	0	0	0	0	0	0	0	0	0	0	0
Grants/Aids	0	0	0	0	0	0	0	0	0	0	0
Special Assessment	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Tax Levy	0	0	0	0	0	0	0	0	0	0	0
Equipment Replacement Fund	0	0	0	0	0	0	0	0	0	0	0
Cash	367,043	800,000	390,000	545,666	600,000	500,000	500,000	500,000	500,000	500,000	5,202,709
<b>Total</b>	<b>752,043</b>	<b>800,000</b>	<b>390,000</b>	<b>545,666</b>	<b>600,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>5,587,709</b>

**Notes:**

# Table 7 Water Utility Projected Debt Service Payments (PROPOSED)

City of Mayville, WI

NAME		2024A GO Notes			
AMT		\$395,000			
Year	Principal	Est. Rate	Interest	Total	
2024	0	4.20%	25,004	25,004	
2025	0	4.15%	17,615	17,615	
2026	0	4.10%	17,308	17,308	
2027	15,000	4.10%	16,693	31,693	
2028	15,000	4.10%	16,078	31,078	
2029	15,000	4.10%	15,463	30,463	
2030	20,000	4.10%	14,745	34,745	
2031	20,000	4.10%	13,925	33,925	
2032	20,000	4.10%	13,105	33,105	
2033	20,000	4.15%	12,280	32,280	
2034	20,000	4.20%	11,445	31,445	
2035	20,000	4.30%	10,595	30,595	
2036	25,000	4.50%	9,603	34,603	
2037	25,000	4.60%	8,465	33,465	
2038	25,000	4.65%	7,309	32,309	
2039	25,000	4.70%	6,140	31,140	
2040	25,000	4.75%	4,959	29,959	
2041	30,000	4.80%	3,645	33,645	
2042	30,000	4.85%	2,198	32,198	
2043	30,000	4.90%	735	30,735	
2044	30,000				
<b>TOTALS</b>	<b>395,000</b>		<b>227,306</b>	<b>622,306</b>	

Notes:

PROPOSED Water Utility Debt Service Summary					
Total Prin	Total Int	Total P&I	Prin Outstanding	Year	
0	0	0	395,000	2024	
0	25,004	25,004	395,000	2025	
0	17,615	17,615	395,000	2026	
15,000	17,308	32,308	380,000	2027	
15,000	16,693	31,693	365,000	2028	
15,000	16,078	31,078	350,000	2029	
15,000	15,463	30,463	335,000	2030	
20,000	14,745	34,745	315,000	2031	
20,000	13,925	33,925	295,000	2032	
20,000	13,105	33,105	275,000	2033	
20,000	12,280	32,280	255,000	2034	
20,000	11,445	31,445	235,000	2035	
20,000	10,595	30,595	215,000	2036	
25,000	9,603	34,603	190,000	2037	
25,000	8,465	33,465	165,000	2038	
25,000	7,309	32,309	140,000	2039	
25,000	6,140	31,140	115,000	2040	
25,000	4,959	29,959	90,000	2041	
30,000	3,645	33,645	60,000	2042	
30,000	2,198	32,198	30,000	2043	
30,000	735	30,735	0	2044	
<b>395,000</b>	<b>227,306</b>	<b>622,306</b>		<b>TOTALS</b>	



# Table 8 Water Utility Cash Flow Analysis - Projected 2024-2033 City of Mayville, WI

	Estimated		Projected									
	Eff. 5/1/24	Eff. 7/1/25	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<b>Revenues</b>												
Total Revenues from User Rates <sup>1</sup>	\$1,478,850	\$1,716,947	\$1,904,714	\$1,904,714	\$1,904,714	\$1,904,714	\$1,904,714	\$1,904,714	\$1,904,714	\$1,904,714	\$1,904,714	\$1,904,714
Percent Increase to User Rates	20.41%	22.73%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Cumulative Percent Rate Increase	20.41%	47.84%	47.84%	47.84%	47.84%	47.84%	47.84%	47.84%	47.84%	47.84%	47.84%	47.84%
Dollar Amount Increase to Revenues	\$138,762	\$238,097	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Other Revenues	\$40,154	\$40,556	\$27,462	\$27,462	\$27,462	\$27,462	\$27,462	\$27,462	\$27,462	\$27,462	\$27,462	\$27,462
<b>Total Revenues</b>	\$1,519,004	\$1,757,503	\$1,932,176	\$1,932,176	\$1,932,176	\$1,932,176	\$1,932,176	\$1,932,176	\$1,932,223	\$1,933,684	\$1,946,369	\$1,947,155
<b>Less: Expenses</b>												
Operating and Maintenance <sup>2</sup>	\$743,159	\$750,736	\$766,126	\$766,126	\$766,126	\$766,126	\$766,126	\$766,126	\$766,126	\$766,126	\$766,126	\$766,126
PILOT Payment	\$200,000	\$204,000	\$212,242	\$212,242	\$212,242	\$212,242	\$212,242	\$212,242	\$212,242	\$212,242	\$212,242	\$212,242
<b>Net Before Debt Service and Capital Expenditures</b>	\$575,845	\$802,767	\$964,387	\$964,387	\$964,387	\$964,387	\$964,387	\$964,387	\$964,387	\$964,387	\$964,387	\$964,387
<b>Debt Service</b>												
Existing Debt P&I	\$198,033	\$319,397	\$319,183	\$318,924	\$318,605	\$318,232	\$317,838	\$317,423	\$316,987	\$316,531	\$316,055	\$315,560
New (2024-2033) Debt Service P&I	\$0	\$25,004	\$17,615	\$32,308	\$31,693	\$31,078	\$30,463	\$29,848	\$29,233	\$28,618	\$27,993	\$27,368
<b>Total Debt Service</b>	\$198,033	\$344,400	\$336,798	\$351,232	\$350,297	\$349,310	\$348,323	\$347,336	\$346,349	\$345,362	\$344,375	\$343,388
Transfer In (Out)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)
<b>Less: Capital Improvements</b>	\$752,043	\$800,000	\$390,000	\$545,666	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$600,000
<b>Debt Proceeds</b>	\$395,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Net Annual Cash Flow</b>	\$14,269	(\$348,133)	\$231,089	\$50,411	(\$14,632)	\$74,221	\$58,415	\$42,528	\$43,829	\$43,829	\$43,829	\$43,829
<b>Restricted and Unrestricted Cash Balance:</b>												
Balance at first of year	\$2,318,073	\$2,332,342	\$1,984,209	\$2,215,298	\$2,265,709	\$2,251,077	\$2,251,077	\$2,251,077	\$2,251,077	\$2,251,077	\$2,251,077	\$2,251,077
Net Annual Cash Flow Addition/(subtraction)	\$14,269	(\$348,133)	\$231,089	\$50,411	(\$14,632)	\$74,221	\$58,415	\$42,528	\$43,829	\$43,829	\$43,829	\$43,829
Balance at end of year	\$2,332,342	\$1,984,209	\$2,215,298	\$2,265,709	\$2,251,077	\$2,325,298	\$2,383,713	\$2,426,241	\$2,470,070	\$2,513,900	\$2,557,729	\$2,601,558
"All-in" Debt Coverage	2.88	2.31	2.84	2.70	2.67	2.64	2.58	2.52	2.53	2.53	2.53	2.50
PSC Days Cash on Hand	809	631	734	753	743	771	793	808	823	834	845	856

**Legend:**

- Simplified Rate Case (projected eligibility) - Class C
- Conventional (Full) Rate Case

**Notes:**  
 1) Assumes no changes in customer count or usage beyond Test Year.  
 2) Assumes 1.00% annual inflation beyond budget year.  
 3) Includes Ehlers assumptions for cash funded capital 2029 and beyond



**Table 9**

**Water Utility Financial Benchmarking Analysis Projected 2024 - 2033**

City of Mayville, WI

	Budget	Projected								
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<b>Target minimum cash balance</b>										
Target minimum working capital - Ehlers <sup>1</sup>	991,775	1,002,353	1,030,938	1,046,498	1,062,143	1,081,571	1,100,917	1,115,212	1,129,560	1,140,864
Actual Days Cash Available - PSC <sup>2</sup>	899	721	824	843	833	861	883	898	913	924
Actual Days Cash Available - Moody's <sup>3</sup>	989	809	913	927	911	937	954	964	974	979
Actual Days Cash Available - S&P <sup>4</sup>	989	809	913	927	911	937	954	964	974	979
<b>Actual working capital-cash balance</b>										
Over (Under) Ehlers target	2,332,342	1,984,209	2,215,298	2,265,709	2,251,077	2,325,298	2,383,713	2,426,241	2,470,070	2,503,160
Over (Under) PSC target (90 days)	1,340,567	981,856	1,184,361	1,219,211	1,188,934	1,243,727	1,282,796	1,311,029	1,340,510	1,362,296
Over (Under) Moody's target (150 days)	809	631	734	753	743	771	793	808	823	834
Over (Under) S&P target (150 days)	839	659	763	777	761	787	804	814	824	829

**Notes:**

- 1) Target capital equals 6 mos of next year's operating expenses, including depreciation, plus 100% of following year's debt.
- 2) PSC formula = O&M expense + taxes + interest on long term debt ÷ 365 to get expense per day. Then Unrestricted Cash ÷ expense per day
- 3) Moody's Formula = [(Unrestricted Cash + Liquid Investments) \* 365 days] ÷ Total O&M Expenses less Depreciation
- 4) S&P Formula = [(Unrestricted Cash + Liquid Investments) \* 365 days] ÷ Total O&M Expenses less Depreciation; include designated reserve funds: ERFs, RSFs, etc

**Rate of Return**

Average Utility Plant in Service	13,366,626	14,142,647	14,737,647	15,205,480	15,778,313	16,328,313	16,828,313	17,328,313	17,828,313	18,328,313
Plus: Materials and Supplies	23,814	23,814	23,814	23,814	23,814	23,814	23,814	23,814	23,814	23,814
Less: Avg. Utility Plant Accum. Depreciation	5,188,064	297,507	324,076	344,592	363,260	384,243	404,043	422,606	441,168	459,731
Less: Regulatory Liability	0	0	0	0	0	0	0	0	0	0
Average Net Investment Rate Base (NIRB)	8,202,376	13,868,955	14,437,385	14,884,702	15,438,868	15,967,884	16,448,084	16,929,521	17,410,959	17,892,396
Net Operating Income	268,345	466,511	618,077	589,938	557,111	524,013	493,223	462,263	431,302	400,170
ROR	3.27%	3.36%	4.28%	3.96%	3.61%	3.28%	3.00%	2.73%	2.48%	2.24%
PSC Projected Benchmark	6.50%	6.50%	6.50%	6.50%	6.50%	6.50%	6.50%	6.50%	6.50%	6.50%

**Cost Recovery**

Operating Revenues	1,494,754	1,733,011	1,920,938	1,921,100	1,921,264	1,921,429	1,921,596	1,921,765	1,922,106	1,922,454
Operating Expenses incl. Depr & Amortization	1,046,530	1,090,749	1,123,031	1,147,170	1,175,916	1,204,850	1,231,391	1,258,015	1,284,722	1,311,515
Operating Expenses w/o Depr & Amortization	743,159	750,736	758,391	766,126	773,941	781,838	789,818	797,877	806,023	814,253
Cost Recovery incl. Depr	1.43	1.59	1.71	1.67	1.63	1.59	1.56	1.53	1.50	1.47
Cost Recovery w/o Depr	1.41	1.45	1.48	1.50	1.52	1.54	1.56	1.58	1.59	1.61
Target	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

**Notes:**

This operating ratio indicates whether operating revenues (mostly charges to customers) were sufficient to cover operations and capital (in the form of depreciation) for the water and/or wastewater utility in the fiscal year. A ratio of < 1 could be a sign of financial concern. In general, this ratio should be > 1 to accommodate future capital investments.

**Leverage**

Total Long-Term Debt	5,049,268	4,796,930	4,541,236	4,267,134	3,989,571	3,708,494	3,418,846	3,120,573	2,818,619	2,512,925
Total Net Assets	15,311,453	16,111,453	16,501,453	17,047,119	17,647,119	18,147,119	18,647,119	19,147,119	19,647,119	20,147,119
Debt-to-Equity Ratio	0.33	0.30	0.28	0.25	0.23	0.20	0.18	0.16	0.14	0.12

**Notes:**

This indicator measures the existing level of leveraging of assets, and is used by funders and rating agencies to evaluate the risk of providing additional loans to the utility. The ratio indicates the amount of long-term debt that exists for every \$1 of assets (fund equity). A utility with a ratio > 1 has more long-term debt than equity in the system's assets. There are no natural benchmarks for this indicator, and funders and rating agencies will assess this ratio in various ways. In general, the higher this ratio, the more likely the utility will be considered to be over-leveraged and the more difficult it will be for the utility to obtain additional loans. Net Assets are equal to the Net Investment Rate Base of the utility.

**Condition of Assets:**

Accumulated Depreciation Expense	5,188,064	297,507	324,076	344,592	363,260	384,243	404,043	422,606	441,168	459,731
Total Net Assets	15,311,453	16,111,453	16,501,453	17,047,119	17,647,119	18,147,119	18,647,119	19,147,119	19,647,119	20,147,119
Asset Depreciation	33.88%	1.85%	1.96%	2.02%	2.06%	2.12%	2.17%	2.21%	2.25%	2.28%

**Notes:**

This indicator of infrastructure condition estimates the portion of the average expected life of the utility's physical assets that has already passed. As this ratio approaches 100%, the capital assets become fully depreciated, and infrastructure needs replacement or rehabilitation. The accuracy of this indicator relies heavily on the accuracy of the depreciation schedule, and historic pricing likely distorts this indicator (newer utilities may be slightly disadvantaged as a result).

## Table 10 Water Utility Statement of Projected Revenue Bond Coverage *City of Mayville, WI*

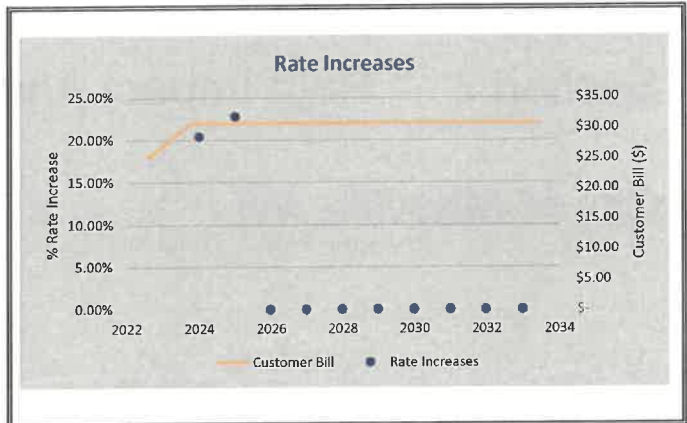
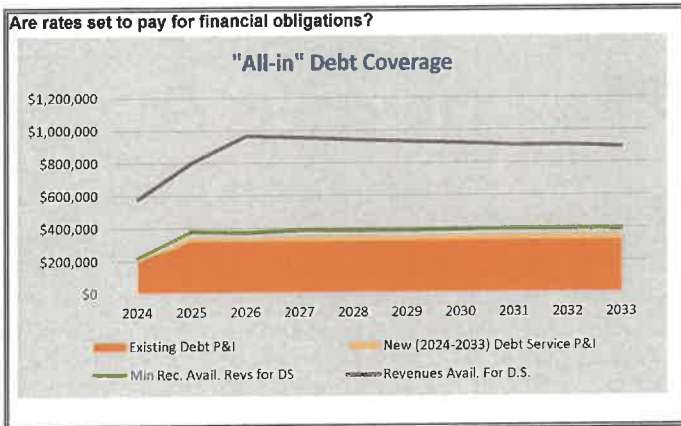
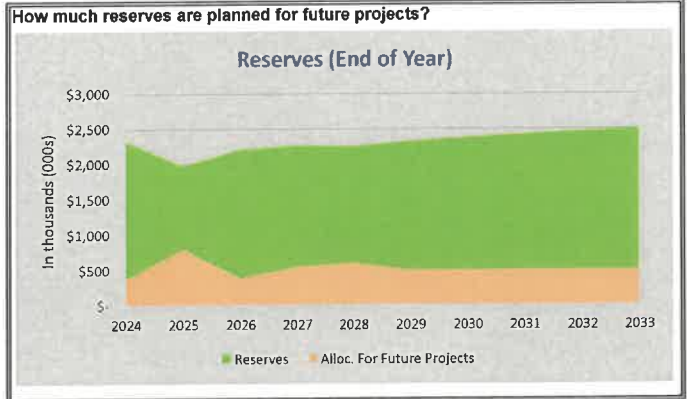
Year	Total Operating Revenues	Transfers In (Out)	Less: Total O&M Expense	Amount Available for Debt Service	Existing Rev Debt		Total Water Debt Service	Coverage	Debt Service Capacity @ 1.1x
					Total	Total			
2024	1,519,004	(6,500)	(743,159)	769,345	158,553	158,553	158,553	4.85	540,852
2025	1,757,503	(6,500)	(750,736)	1,000,267	280,059	280,059	280,059	3.57	629,274
2026	1,930,859	(6,500)	(758,391)	1,165,967	280,033	280,033	280,033	4.16	779,937
2027	1,932,176	(6,500)	(766,126)	1,159,550	280,007	280,007	280,007	4.14	774,130
2028	1,932,592	(6,500)	(773,941)	1,152,151	279,980	279,980	279,980	4.12	767,430
2029	1,933,685	(6,500)	(781,838)	1,144,347	279,952	279,952	279,952	4.09	760,363
2030	1,933,223	(6,500)	(789,816)	1,136,907	279,924	279,924	279,924	4.06	753,627
2031	1,933,684	(6,500)	(797,877)	1,129,306	279,896	279,896	279,896	4.03	746,746
2032	1,946,369	(6,500)	(806,023)	1,133,846	279,868	279,868	279,868	4.05	750,901
2033	1,947,155	(6,500)	(814,253)	1,126,402	279,838	279,838	279,838	4.03	744,163

**Notes:**

1) Revenue Coverage determined from 2023 SDWF Loan



**Table 11**  
**Water Utility Long-Range Planning Analysis**  
*City of Mayville, WI*





## 2024 Water Rate Study

### Section 3 — Rate Impact Analysis

City of Mayville, WI

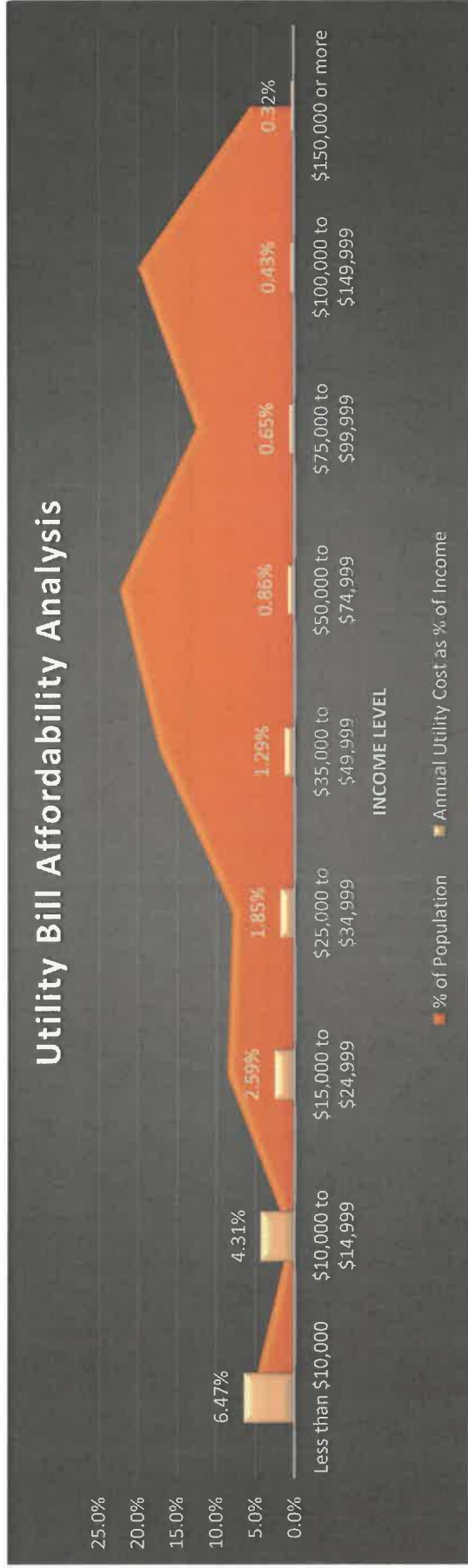
**Table 12**  
**Projected Impact of CIP on Typical Residential Utility Bill**  
*City of Mayville, WI*

Year	Water				Sewer				Utility Bill (Annual)	Change Over Prior Year	% of MHI (46,889)	Year	
	Increase	Water Vol. Charge <sup>1</sup>	Water User Charge <sup>2</sup>	Change Over Prior Year	Increase	Sewer Vol. Charge <sup>3</sup>	Sewer User Charge <sup>3</sup>	Utility Bill (Monthly)					Change Over Prior Year
2023		Tiered 3.02	19.62	\$ 20.83		100CF 4.86	Gen Service 12.20	\$ 14.14	\$ 419.66		0.90%	2023	
2024	20.41%	3.64	23.62	\$ 25.08	0.00%	4.86	12.20	\$ 14.14	\$ 470.68	\$ 51.01	1.00%	2024	
2025	22.78%	4.46	29.01	\$ 30.79	42.50%	6.93	17.39	\$ 20.16	\$ 611.37	\$ 140.69	1.30%	2025	
2026	0.00%	4.46	29.01	\$ 30.79	42.50%	9.87	24.77	\$ 28.72	\$ 714.16	\$ 102.79	1.52%	2026	
2027	0.00%	4.46	29.01	\$ 30.79	0.00%	9.87	24.77	\$ 28.72	\$ 714.16	\$ -	1.52%	2027	
2028	0.00%	4.46	29.01	\$ 30.79	3.00%	10.16	25.52	\$ 29.58	\$ 724.50	\$ 10.34	1.55%	2028	
2029	0.00%	4.46	29.01	\$ 30.79	0.00%	10.16	25.52	\$ 29.58	\$ 724.50	\$ -	1.55%	2029	
2030	0.00%	4.46	29.01	\$ 30.79	3.00%	10.47	26.28	\$ 30.47	\$ 735.15	\$ 10.65	1.57%	2030	
2031	0.00%	4.46	29.01	\$ 30.79	0.00%	10.47	26.28	\$ 30.47	\$ 735.15	\$ -	1.57%	2031	
2032	0.00%	4.46	29.01	\$ 30.79	3.00%	10.78	27.07	\$ 31.38	\$ 746.12	\$ 10.97	1.59%	2032	
2033	0.00%	4.46	29.01	\$ 30.79	0.00%	10.78	27.07	\$ 31.38	\$ 746.12	\$ -	1.59%	2033	
<b>Total Change over planning period</b>										<b>\$ 326.45</b>	<b>\$ 17.24</b>		

**Notes:**

1. Current water volumetric rate is per \$3.02 per 100 cubic feet for the first 1500 cubic feet
2. The water user charges include a monthly service charge of \$7.93 plus a public fire protection charge of \$11.69 for a 5/8 inch meter.
3. The current Sewer volumetric rate is \$4.86 per 100 cubic feet and a service charge of \$12.20 for 5/8 inch meter.
4. The usage is assumed to be 400 CF per month.

**Table 13**  
**Projected Impact of CIP on Typical Residential Utility Bill - Affordability**  
*City of Mayville, WI*



**Notes:**

- 1) Utility Cost taken as a 5-year average of water and wastewater bills for an average (5/8"; 400 CF./mo.) Residential User.
- 2) City Income Level from U.S. Census Bureau's American Community Survey.
- 3) 14.7% of residential customers are estimated to have less than \$25,000 of income. These households will have spent more than 4.46% of their income under the 4-year average for this plan.

April 9, 2024

2024 SEWER RATE STUDY:

# City of Mayville, WI

## Long-Range Cash Flow Analysis



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**Prepared by:**

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*Associate Municipal Advisor*  
Philip Cosson  
*Senior Municipal Advisor*

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## 2024 Sewer Rate Study

### Section 1 — Historical Analysis

City of Mayville, WI

# Table 1 Sewer Rate Performance

City of Mayville, WI

		Shown with no increase				Est	Budget
Revenue Requirement							
Component	Description	2019	2020	2021	2022	2023	2024
<b>Cash Basis</b>							
1	Operating and Maintenance	\$912,672	\$950,680	\$915,846	\$1,050,278	\$1,050,000	\$1,192,725
2	Debt	\$195,187	\$135,617	\$145,863	\$164,250	\$155,840	\$157,984
3	Cash Funded Capital	\$100,341	\$70,390	\$391,957	\$140,508	\$586,049	\$448,625
Less:							
	Other Revenue	\$88,970	\$70,401	\$67,379	\$69,526	\$75,503	\$71,548
	Interest Income	\$37,056	\$14,695	\$3,300	\$21,482	\$31,900	\$72,107
	Revenue Requirement (Costs less Other Income)	\$1,082,174	\$1,071,591	\$1,382,987	\$1,264,028	\$1,684,486	\$1,655,679
	User Rates Revenue	\$1,290,207	\$1,305,993	\$1,373,592	\$1,406,841	\$1,419,725	\$1,492,458
	Rate Adequacy	\$208,033	\$234,402	(\$9,395)	\$142,813	(\$264,761)	(\$163,221)
	Rate Adjustment Needed	0.00%	0.00%	0.68%	0.00%	18.65%	10.94%
<b>Utility Basis (PSC)</b>							
1	Operating and Maintenance	\$912,672	\$950,680	\$915,846	\$1,050,278	\$1,050,000	\$1,192,725
2	Depreciation	\$434,228	\$435,025	\$444,153	\$455,521	\$460,227	\$475,000
	NIRB	\$6,571,740	\$6,221,994	\$6,284,591	\$6,206,872	\$6,070,360	\$6,097,006
3	Typical ROI (2.5%)	\$164,294	\$155,550	\$157,115	\$155,172	\$151,759	\$152,425
Less:							
	Other Revenue	\$88,970	\$70,401	\$67,379	\$69,526	\$75,503	\$71,548
	Revenue Requirement (Costs less Other Income)	\$1,422,224	\$1,470,854	\$1,449,735	\$1,591,445	\$1,586,483	\$1,748,602
	User Rates Revenue	\$1,290,207	\$1,305,993	\$1,373,592	\$1,406,841	\$1,419,725	\$1,492,458
	Rate Adequacy	(\$132,017)	(\$164,861)	(\$76,143)	(\$184,604)	(\$166,758)	(\$256,144)
	Rate Adjustment Needed	10.23%	12.62%	5.54%	13.12%	11.75%	17.16%

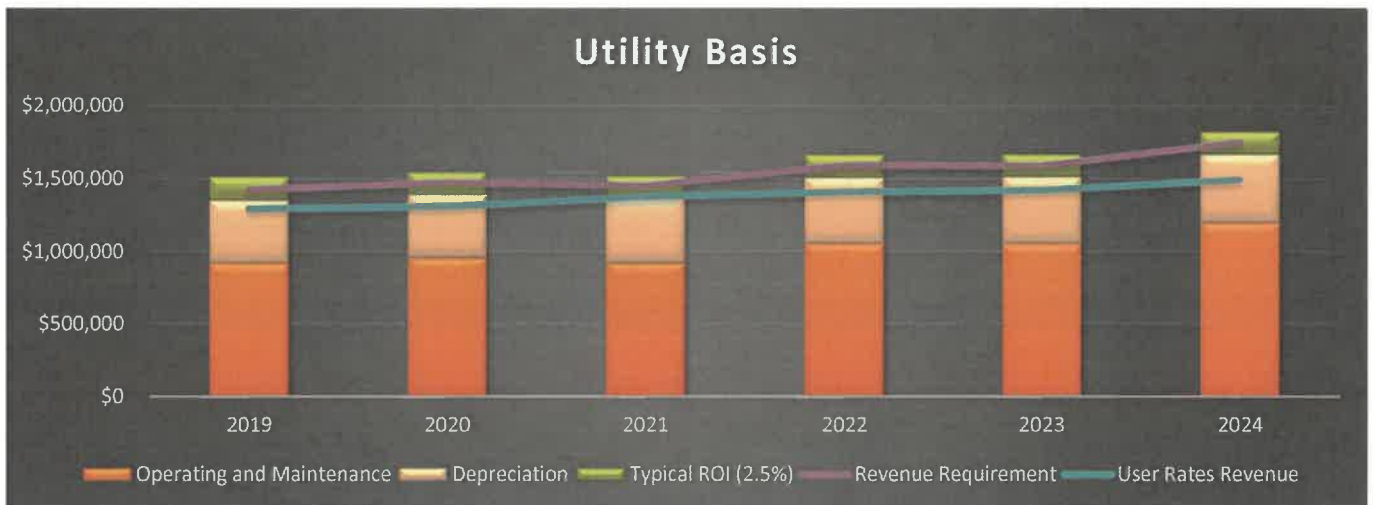
**Notes:**

^Includes recommended debt coverage at 1.1x annual debt payment



## Table 2 Sewer Utility Rate Performance Charts

*City of Mayville, WI*





**Table 3**  
**Sewer Utility Cash Flow Analysis - Historical 2019-2023**  
*City of Mayville, WI*

	Actual			Estimated 2023
	2019	2020	2021	
<b>Revenues</b>				
Total Revenues from User Rates	\$1,290,207	\$1,305,993	\$1,373,592	\$1,419,725
<b>Percent Increase to User Rates</b>				
Total Other Revenues	\$126,026	\$85,096	\$70,679	\$91,008
<b>Total Revenues</b>	<b>\$1,416,233</b>	<b>\$1,391,089</b>	<b>\$1,444,271</b>	<b>\$1,527,128</b>
<b>Less: Expenses</b>				
Operating and Maintenance	\$912,672	\$950,680	\$915,846	\$1,050,278
PILOT Payment	\$0	\$0	\$0	\$0
<b>Net Before Debt Service and Capital Expenditures</b>	<b>\$503,561</b>	<b>\$440,409</b>	<b>\$528,425</b>	<b>\$477,128</b>
Existing Debt P&I	\$195,187	\$135,617	\$145,863	\$155,840
Transfer In (Out)/Cap. Cont	\$6,211	(\$5,260)	\$940	\$17,422
Less: Capital Improvements/Cap. Cont.	\$145,822	\$56,828	\$832,371	\$570,465
Debt Issued/Grants/Aid	\$59,500	\$0	\$455,000	\$0
Reconcile to Audit	\$8,668	(\$7,188)	(\$38,996)	\$0
<b>Net Annual Cash Flow</b>	<b>\$236,931</b>	<b>\$235,536</b>	<b>(\$32,865)</b>	<b>(\$231,755)</b>
<b>Restricted and Unrestricted Cash Balance:</b>				
Balance at first of year	\$2,235,763	\$2,472,694	\$2,708,230	\$2,744,694
Net Annual Cash Flow Addition/(subtraction)	\$236,931	\$235,536	(\$32,865)	(\$231,755)
Balance at end of year	\$2,472,694	\$2,708,230	\$2,675,365	\$2,512,939

**Notes:**

1) Last Increase Effective 5/1/2010.

**Table 4**  
**Sewer Utility Financial Benchmarking Analysis**  
*City of Mayville, WI*

	Actual				Estimated	Budget
	2019	2020	2021	2022	2023	2024
<b>Target minimum cash balance</b>						
Target minimum working capital - Ehlers <sup>1</sup>	828,470	825,863	917,150	910,954	991,846	1,232,893
Actual Days Cash Available - PSC <sup>2</sup>	955	1,008	1,023	923	845	701
Actual Days Cash Available - Moody's <sup>3</sup>	506	557	551	492	412	316
Target minimum working capital - S&P <sup>4</sup>	966	1,002	1,013	900	820	675
<b>Actual working capital-cash balance</b>						
Over (Under) Ehlers target	1,644,225	1,882,368	1,758,216	1,833,740	1,521,093	1,126,123
Over (Under) PSC target (90 days)	865	918	933	833	755	611
Over (Under) Moody's target (150 days)	356	407	401	342	262	166
Over (Under) S&P target (150 days)	816	852	863	750	670	525

**Notes:**

- 1) Target capital equals 6 mos of next year's operating expenses, including depreciation, plus 100% of debt.
- 2) PSC formula = O&M expense + taxes + interest on long term debt ÷ 365 to get expense per day. Then Unrestricted Cash + expense per day
- 3) Moody's Formula = [(Unrestricted Cash + Liquid Investments) \* 365 days] + Total O&M Expenses less Depreciation
- 4) S&P Formula = [(Unrestricted Cash + Liquid Investments) \* 365 days] + Total O&M Expenses less Depreciation; include designated reserve funds: ERFs, RSFs, etc

<b>Rate of Return</b>						
Average Utility Plant in Service	15,952,254	16,001,719	16,336,069	16,685,871	17,009,586	17,511,232
Less: Utility Plant Accumulated Depreciation	9,380,514	9,779,725	10,051,478	10,478,999	10,939,226	11,414,226
Average Net Investment Rate Base (NIRB)	6,571,740	6,221,994	6,284,591	6,206,872	6,070,360	6,097,006
Net Operating Income	32,277	(9,311)	80,972	(29,432)	(14,999)	(103,719)
ROR	0.49%	-0.15%	1.29%	-0.47%	-0.25%	-1.70%
Typical	2.50%					

<b>Cost Recovery</b>						
Operating Revenues	1,379,177	1,376,394	1,440,971	1,476,367	1,495,228	1,564,006
Operating Expenses incl. Depr & Amortization	1,346,900	1,385,705	1,359,999	1,505,799	1,510,227	1,667,725
Cost Recovery	1.02	0.99	1.06	0.98	0.99	0.94
Cost Recovery w/o Depr.	1.51	1.45	1.57	1.41	1.42	1.31

**Notes:**

This operating ratio indicates whether operating revenues (mostly charges to customers) were sufficient to cover operations and capital (in the form of depreciation) for the water and/or wastewater utility in the fiscal year. A ratio of less than 1 could be a sign of financial concern. In general, this ratio should be higher than 1 to accommodate future capital investments.

<b>Leverage</b>						
Total Long-Term Debt	1,366,689	1,208,615	1,551,319	1,417,089	1,421,108	1,299,129
Total Net Assets	7,751,907	7,721,938	7,805,586	7,760,059	7,758,377	7,684,260
Debt-to Equity Ratio	0.18	0.16	0.20	0.18	0.18	0.17

**Notes:**

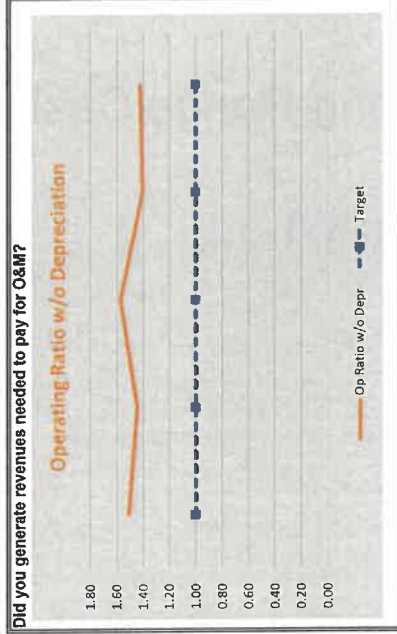
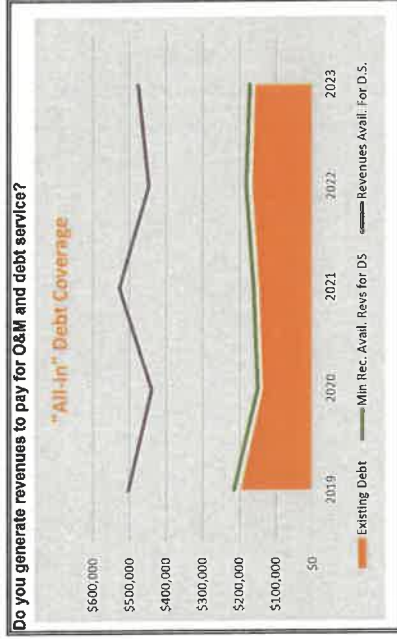
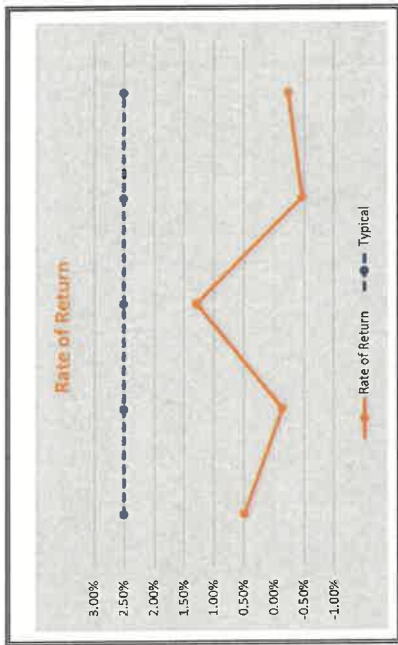
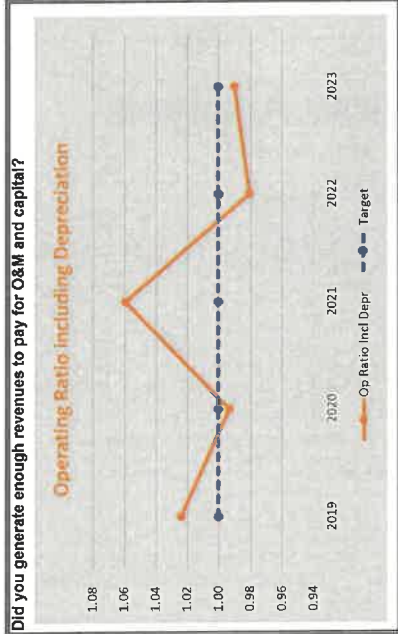
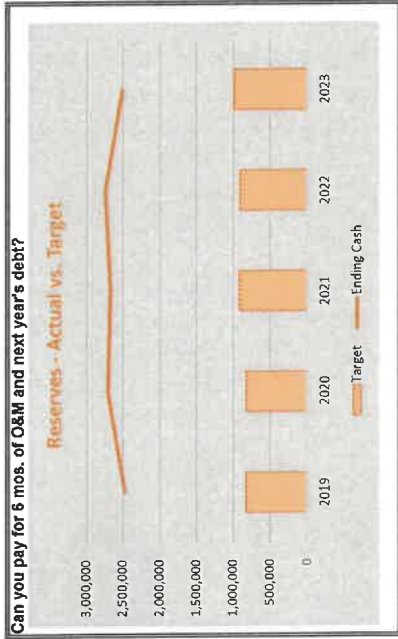
This indicator measures the existing level of leveraging of assets, and is used by funders and bond rating agencies to evaluate the risk of providing additional loans to the utility. The ratio indicates the amount of long-term debt that exists for every \$1 of assets (fund equity). A utility with a ratio greater than 1.0 has more long-term debt than equity in the system's assets. There are no natural benchmarks for this indicator, and funders and bond rating agencies will assess this ratio in various ways. In general, the higher this ratio, the more likely the utility will be considered to be over-leveraged and the more difficult it will be for the utility to obtain additional loans. For this ratio, Net Assets are equal to the Net Investment Rate Base of the utility.

<b>Condition of Assets:</b>						
Accumulated Depreciation Expense	9,380,514	9,779,725	10,051,478	10,478,999	10,939,226	11,414,226
Average Total Plant in Service	15,952,254	16,001,719	16,336,069	16,685,871	17,009,586	17,511,232
Asset Depreciation	37.03%	37.93%	38.09%	38.58%	39.14%	39.46%

**Notes:**

This indicator of infrastructure condition estimates the portion of the average expected life of the utility's physical assets that has already passed. As this ratio approaches 100%, the capital assets become fully depreciated, and infrastructure needs replacement or rehabilitation. The accuracy of this indicator relies heavily on the accuracy of the depreciation schedule, and historic pricing likely distorts this indicator (newer utilities may be slightly disadvantaged as a result).

## Table 5 Sewer Utility Financial Health Charts City of Mayville, WI





## 2024 Sewer Rate Study

### Section 2 — Long-Range Cash Flow Analysis

City of Mayville, WI



# City Capital Improvement Plan

	Funding	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Cash	30,000	40,000	30,000	40,000					
	Cash		11,000	11,500	12,000					
	Cash	12,500	13,000	13,500	14,000					
Deck	Cash	1,500								
De St 100 Block (Grove Alternate)	Cash	325,543								
	Cash		500,000							
	Cash			350,000						
20 Block	Cash				375,000					
4th	Cash					600,000				
Plan 4 x 4 w/Plow Package	Cash	63,284								
	Cash			50,000						
	Cash				261,333					
Revenue Debt			11,750,000	11,750,000						
Grants/Aids			750,000	750,000						
Cash							450,000	450,000	450,000	450,000
		<b>432,827</b>	<b>13,064,000</b>	<b>12,955,000</b>	<b>702,333</b>	<b>600,000</b>	<b>450,000</b>	<b>450,000</b>	<b>450,000</b>	<b>450,000</b>
		<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>	<b>2031</b>	<b>2032</b>
		0	0	0	0	0	0	0	0	0
		0	11,750,000	11,750,000	0	0	0	0	0	0
		0	750,000	750,000	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
ent Fund		432,827	564,000	455,000	702,333	600,000	450,000	450,000	450,000	450,000
		<b>432,827</b>	<b>13,064,000</b>	<b>12,955,000</b>	<b>702,333</b>	<b>600,000</b>	<b>450,000</b>	<b>450,000</b>	<b>450,000</b>	<b>450,000</b>

**Table 7**  
**Sewer Utility Projected Debt Service Payments (PROPOSED)**  
*City of Mayville, WI*

NAME		2025 CWFL				PROPOSED Sewer Utility Debt Service Summary					
AMT		\$23,500,000				Total Prin	Total Int	Total P&I	Prin Outstanding	Year	
Year	Principal	Est. Rate <sup>1</sup>	Interest	Total							
2024					0	0	0	0		2024	
2025	0	2.15%	214,232	214,232	0	214,232	214,232	214,232	23,500,000	2025	
2026	0	2.15%	504,075	504,075	0	504,075	504,075	504,075	23,500,000	2026	
2027	1,014,916	2.15%	493,190	1,508,106	1,014,916	493,190	1,508,106	1,508,106	22,485,084	2027	
2028	1,036,686	2.15%	471,187	1,507,872	1,036,686	471,187	1,507,872	1,507,872	21,448,399	2028	
2029	1,058,923	2.15%	448,711	1,507,634	1,058,923	448,711	1,507,634	1,507,634	20,389,476	2029	
2030	1,081,636	2.15%	425,754	1,507,390	1,081,636	425,754	1,507,390	1,507,390	19,307,840	2030	
2031	1,104,838	2.15%	402,304	1,507,141	1,104,838	402,304	1,507,141	1,507,141	18,203,002	2031	
2032	1,128,536	2.15%	378,351	1,506,887	1,128,536	378,351	1,506,887	1,506,887	17,074,466	2032	
2033	1,152,743	2.15%	353,884	1,506,628	1,152,743	353,884	1,506,628	1,506,628	15,921,722	2033	
2034	1,177,470	2.15%	328,893	1,506,362	1,177,470	328,893	1,506,362	1,506,362	14,744,253	2034	
2035	1,202,726	2.15%	303,365	1,506,091	1,202,726	303,365	1,506,091	1,506,091	13,541,526	2035	
2036	1,228,525	2.15%	277,290	1,505,815	1,228,525	277,290	1,505,815	1,505,815	12,313,001	2036	
2037	1,254,877	2.15%	250,655	1,505,532	1,254,877	250,655	1,505,532	1,505,532	11,058,124	2037	
2038	1,281,794	2.15%	223,450	1,505,243	1,281,794	223,450	1,505,243	1,505,243	9,776,330	2038	
2039	1,309,288	2.15%	195,660	1,504,949	1,309,288	195,660	1,504,949	1,504,949	8,467,042	2039	
2040	1,337,373	2.15%	167,275	1,504,647	1,337,373	167,275	1,504,647	1,504,647	7,129,669	2040	
2041	1,366,059	2.15%	138,280	1,504,340	1,366,059	138,280	1,504,340	1,504,340	5,763,610	2041	
2042	1,395,361	2.15%	108,664	1,504,025	1,395,361	108,664	1,504,025	1,504,025	4,368,249	2042	
2043	1,425,292	2.15%	78,413	1,503,704	1,425,292	78,413	1,503,704	1,503,704	2,942,957	2043	
2044	1,455,864	2.15%	47,512	1,503,377	1,455,864	47,512	1,503,377	1,503,377	1,487,093	2044	
2045	1,487,093	2.15%	15,949	1,503,042	1,487,093	15,949	1,503,042	1,503,042	0	2045	
<b>TOTALS</b>	<b>23,500,000</b>		<b>5,827,093</b>	<b>29,327,093</b>	<b>23,500,000</b>	<b>5,827,093</b>	<b>29,327,093</b>	<b>29,327,093</b>	<b>TOTALS</b>		

**Notes:**  
 1) Rate assumes 55% of current market rate for EIF Loan.



**Table 8**  
**Sewer Utility Cash Flow Analysis - Projected 2024-2033**

City of Mayville, WI

	Projected									
	Budget 2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<b>Revenues</b>										
Total Revenues from User Rates <sup>1</sup>	\$1,492,458	\$2,126,753	\$3,030,623	\$3,030,623	\$3,121,541	\$3,121,541	\$3,215,187	\$3,215,187	\$3,311,643	\$3,311,643
<b>Percent Increase to User Rates</b>	0.00%	42.50%	42.50%	0.00%	3.00%	0.00%	3.00%	0.00%	3.00%	0.00%
<b>Cumulative Percent Rate Increase</b>	0.00%	42.50%	103.06%	103.06%	109.15%	109.15%	115.43%	115.43%	121.89%	121.89%
<b>Dollar Amount Increase to Revenues</b>	\$0	\$634,295	\$903,870	\$0	\$90,919	\$0	\$93,646	\$0	\$96,456	\$0
<b>Other Revenues</b>										
Interest Income	\$72,107	\$72,828	\$149,932	\$34,114	\$29,913	\$27,492	\$26,435	\$26,190	\$25,781	\$26,568
Other Income	\$71,548	\$72,263	\$72,986	\$73,716	\$74,453	\$75,198	\$75,950	\$76,709	\$77,476	\$78,251
Total Other Revenues	\$143,655	\$145,092	\$222,918	\$107,830	\$104,366	\$102,690	\$102,384	\$102,900	\$103,257	\$104,819
Total Revenues	\$1,636,113	\$2,271,844	\$3,253,540	\$3,138,453	\$3,225,908	\$3,224,231	\$3,317,572	\$3,318,087	\$3,414,900	\$3,416,462
<b>Less: Expenses</b>										
Operating and Maintenance	\$1,192,725	\$1,204,652	\$1,216,699	\$1,228,866	\$1,241,154	\$1,253,566	\$1,266,102	\$1,278,763	\$1,291,550	\$1,304,466
PILOT Payment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Net Before Debt Service and Capital Expenditures	\$443,388	\$1,067,192	\$2,036,841	\$1,909,587	\$1,984,753	\$1,970,665	\$2,051,470	\$2,039,324	\$2,123,350	\$2,111,996
<b>Debt Service</b>										
Existing Debt P&I	\$157,984	\$148,320	\$153,019	\$112,726	\$112,513	\$112,265	\$111,997	\$116,673	\$81,234	\$80,838
New (2024-2033) Debt Service P&I	\$0	\$214,232	\$504,075	\$1,508,106	\$1,507,872	\$1,507,634	\$1,507,390	\$1,507,141	\$1,506,887	\$1,506,628
Total Debt Service	\$157,984	\$362,552	\$657,094	\$1,620,832	\$1,620,386	\$1,619,899	\$1,619,387	\$1,623,814	\$1,588,122	\$1,587,466
Transfer In (Out)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)	(\$6,500)
Less: Capital Improvements <sup>3</sup>	\$432,827	\$13,064,000	\$12,955,000	\$702,333	\$600,000	\$450,000	\$450,000	\$450,000	\$450,000	\$450,000
Debt Issued/Grants/Aid	\$0	\$25,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Net Annual Cash Flow</b>	(\$153,923)	\$12,634,140	(\$11,581,753)	(\$420,078)	(\$242,132)	(\$105,734)	(\$24,417)	(\$40,990)	\$78,728	\$68,031
<b>Restricted and Unrestricted Cash Balance:</b>										
Balance at first of year	\$2,512,939	\$2,359,016	\$14,993,157	\$3,411,404	\$2,991,326	\$2,749,194	\$2,643,459	\$2,619,042	\$2,578,052	\$2,656,780
Net Annual Cash Flow Addition/(subtraction)	(\$153,923)	\$12,634,140	(\$11,581,753)	(\$420,078)	(\$242,132)	(\$105,734)	(\$24,417)	(\$40,990)	\$78,728	\$68,031
Balance at end of year	\$2,359,016	\$14,993,157	\$3,411,404	\$2,991,326	\$2,749,194	\$2,643,459	\$2,619,042	\$2,578,052	\$2,656,780	\$2,724,811
*All-in* Debt Coverage	2.77	2.93	3.09	1.17	1.22	1.21	1.26	1.25	1.33	1.33
Unrestricted Cash balance	1,031,207	13,614,570	1,982,039	1,511,183	1,218,272	1,061,760	986,565	894,797	922,747	939,999

**Legend:**

- Increase depicted to maintain with assumed O&M inflation
- Increase needed above inflationary adjustment

- Notes:**
- 1) Assumes no changes in customer count or usage beyond Test Year.
  - 2) Assumes 1.00% annual inflation beyond budget year.
  - 3) Includes Ehlers assumptions for cash funded capital 2029 and beyond





# Table 9 Sewer Utility Financial Benchmarking Analysis Projected 2024 - 2033

City of Mayville, WI

	Budget	Projected										
	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
<b>Target minimum cash balance</b>												
Target minimum working capital - Ehlers <sup>1</sup>	1,232,893	1,608,723	2,624,193	2,638,161	2,650,686	2,662,011	2,678,337	2,654,607	2,665,978	2,675,526		
Actual Days Cash Available - PSC <sup>2</sup>	701	3,792	715	627	580	562	560	556	577	597		
Actual Days Cash Available - Moody's <sup>3</sup>	316	4,125	595	449	358	309	284	255	261	263		
Target minimum working capital - S&P <sup>4</sup>	675	4,496	977	843	763	725	711	692	707	719		
<b>Actual working capital-cash balance</b>												
Over (Under) Ehlers target	2,359,016	14,993,157	3,411,404	2,991,326	2,749,194	2,643,459	2,619,042	2,578,052	2,656,780	2,724,811		
Over (Under) PSC target (90 days)	1,126,123	13,384,433	787,211	353,165	98,507	(18,551)	(59,295)	(76,555)	(9,197)	49,285		
Over (Under) Moody's target (150 days)	611	3,702	625	537	490	472	470	466	487	507		
Over (Under) S&P target (150 days)	166	3,975	445	299	208	159	134	105	111	113		
	525	4,346	827	693	613	575	561	542	557	569		

**Notes:**

- 1) Target capital equals 6 mos of next year's operating expenses, including depreciation, plus 100% of debt.
- 2) PSC formula = O&M expense + taxes + interest on long term debt ÷ 365 to get expense per day. Then Unrestricted Cash ÷ expense per day
- 3) Moody's Formula = [(Unrestricted Cash + Liquid Investments) \* 365 days] ÷ Total O&M Expenses less Depreciation
- 4) S&P Formula = [(Unrestricted Cash + Liquid Investments) \* 365 days] ÷ Total O&M Expenses less Depreciation; include designated reserve funds: ERFs, RSFs, etc

<b>Rate of Return</b>										
Average Utility Plant in Service	17,511,232	23,884,646	36,144,146	42,597,812	43,248,979	43,773,979	44,223,979	44,673,979	45,123,979	45,573,979
Less: Utility Plant Accumulated Depreciation	11,414,226	11,950,257	12,636,817	13,414,675	14,209,070	15,017,079	15,836,225	16,666,508	17,507,929	18,360,487
Average Net Investment Rate Base (NIRB)	6,097,006	11,934,389	23,507,329	29,183,138	29,039,908	28,756,900	28,387,754	28,007,471	27,616,050	27,213,492
Net Operating Income	(103,719)	458,333	1,200,350	1,097,615	1,160,444	1,135,165	1,205,890	1,182,851	1,256,148	1,232,870
ROR	-1.70%	3.84%	5.11%	3.76%	4.00%	3.95%	4.25%	4.22%	4.55%	4.53%
Typical	2.50%									





<b>Cost Recovery</b>										
Operating Revenues	1,564,006	2,199,016	3,103,609	3,104,339	3,195,994	3,196,739	3,291,137	3,291,897	3,389,119	3,389,894
Operating Expenses incl. Depr & Amortization	1,667,725	1,740,683	1,903,259	2,006,723	2,035,550	2,061,574	2,085,248	2,109,046	2,132,971	2,157,024
Cost Recovery	0.94	1.26	1.63	1.55	1.57	1.55	1.58	1.56	1.59	1.57
Cost Recovery w/o Depr.	1.31	1.83	2.55	2.53	2.58	2.55	2.60	2.57	2.62	2.60

**Notes:**

This operating ratio indicates whether operating revenues (mostly charges to customers) were sufficient to cover operations and capital (in the form of depreciation) for the water and/or wastewater utility in the fiscal year. A ratio of < 1 could be a sign of financial concern. In general, this ratio should be > 1 to accommodate future capital investments.

<b>Leverage</b>										
Total Long-Term Debt	1,299,129	24,674,958	24,543,544	23,435,307	22,303,706	21,148,239	19,968,391	18,758,639	17,558,944	16,334,140
Total Net Assets	7,684,260	7,970,541	8,788,642	9,401,276	10,096,348	10,788,074	11,574,359	12,362,837	13,249,840	14,140,115
Debt-to Equity Ratio	0.17	3.10	2.79	2.49	2.21	1.96	1.73	1.52	1.33	1.16

**Notes:**

This indicator measures the existing level of leveraging of assets, and is used by funders and rating agencies to evaluate the risk of providing additional loans to the utility. The ratio indicates the amount of long-term debt that exists for every \$1 of assets (fund equity). A utility with a ratio > 1 has more long-term debt than equity in the system's assets. There are no natural benchmarks for this indicator, and funders and rating agencies will assess this ratio in various ways. In general, the higher this ratio, the more likely the utility will be considered to be over-leveraged and the more difficult it will be for the utility to obtain additional loans. Net Assets are equal to the Net Investment Rate Base of the utility.

<b>Condition of Assets:</b>										
Accumulated Depreciation Expense	11,414,226	11,950,257	12,636,817	13,414,675	14,209,070	15,017,079	15,836,225	16,666,508	17,507,929	18,360,487
Average Total Plant in Service	17,511,232	24,259,646	37,269,146	44,097,812	44,748,979	45,273,979	45,723,979	46,173,979	46,623,979	47,073,979
Asset Depreciation	39.46%	33.00%	25.32%	23.32%	24.10%	24.91%	25.72%	26.52%	27.30%	28.06%

**Notes:**

This indicator of infrastructure condition estimates the portion of the average expected life of the utility's physical assets that has already passed. As this ratio approaches 100%, the capital assets become fully depreciated, and infrastructure needs replacement or rehabilitation. The accuracy of this indicator relies heavily on the accuracy of the depreciation schedule, and historic pricing likely distorts this indicator (newer utilities may be slightly disadvantaged as a result).

**Table 10**  
**Sewer Utility Statement of Projected Revenue Bond Coverage**  
*City of Mayville, WI*

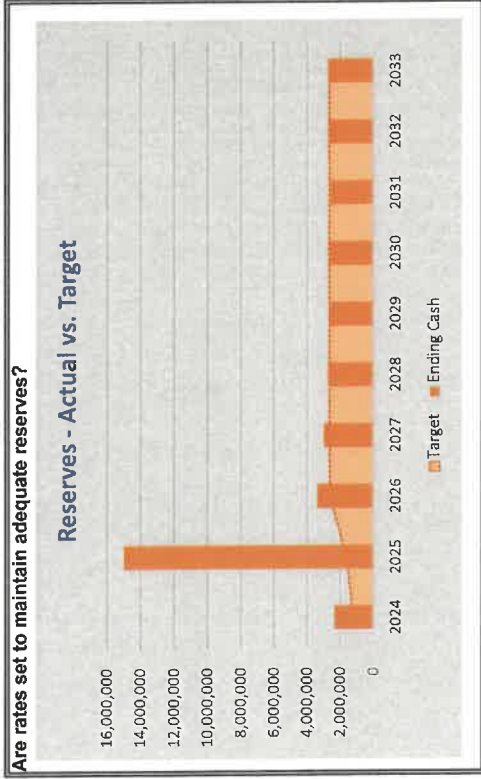
Year	Total Operating Revenues	Transfers In (Out)	Less: Total O&M Expense	Amount Available for Debt Service	Existing Rev Debt		Future Rev Debt (2024-2033)		Total Sewer Debt Service	Coverage	Debt Service Capacity @ 1.1x
					Total	Total	Total	Total			
2024	1,636,113	(6,500)	(1,192,725)	436,888	116,860	214,232	331,092	1.32	66,079		
2025	2,271,844	(6,500)	(1,204,652)	1,060,692	116,835	504,075	620,910	1.71	343,356		
2026	3,253,540	(6,500)	(1,216,699)	2,030,341	116,809	1,508,106	1,624,915	1.25	220,850		
2027	3,138,453	(6,500)	(1,228,866)	1,903,087	86,771	1,507,872	1,594,643	1.19	135,436		
2028	3,225,908	(6,500)	(1,241,154)	1,978,253	86,753	1,507,634	1,594,387	1.24	204,025		
2029	3,224,231	(6,500)	(1,253,566)	1,964,165	86,735	1,507,390	1,594,125	1.23	191,479		
2030	3,317,572	(6,500)	(1,266,102)	2,044,970	86,717	1,507,141	1,593,858	1.28	265,205		
2031	3,318,087	(6,500)	(1,278,763)	2,032,824	86,698	1,506,887	1,593,585	1.28	254,437		
2032	3,414,900	(6,500)	(1,291,550)	2,116,850	51,622	1,506,628	1,558,249	1.36	366,159		
2033	3,416,462	(6,500)	(1,304,466)	2,105,496	51,613	1,506,362	1,557,975	1.35	356,112		

**Notes:**

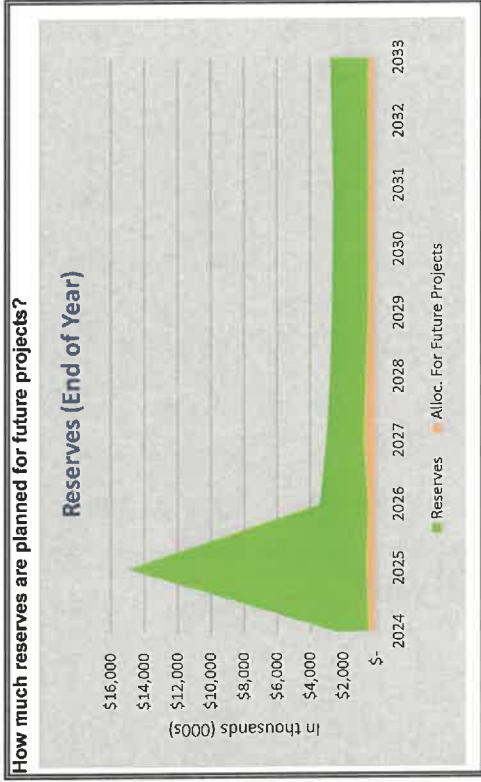
1) Revenue Coverage determined from 2019 CWFL

# Table 11 Sewer Utility Long-Range Planning Analysis City of Mayville, WI

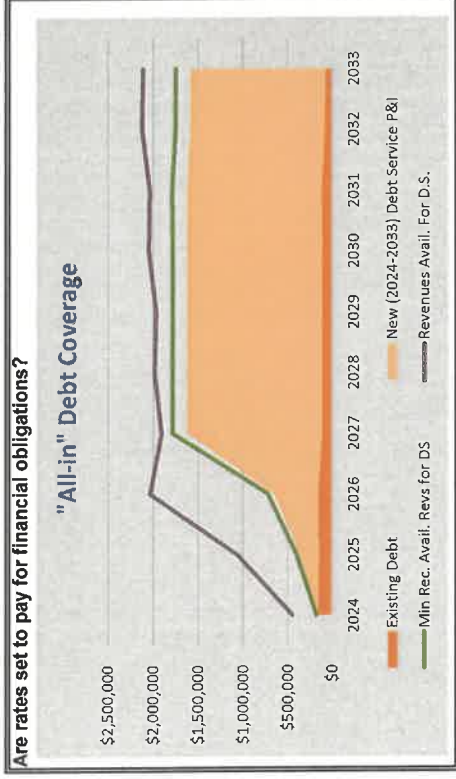
Are rates set to maintain adequate reserves?



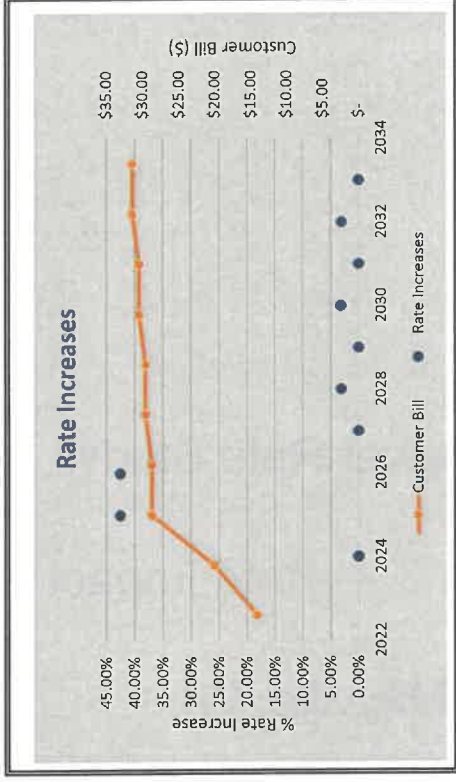
How much reserves are planned for future projects?



Are rates set to pay for financial obligations?



Rate Increases





## 2024 Sewer Rate Study

### Section 3 — Rate Impact Analysis

City of Mayville, WI

**Table 12**  
**Projected Impact of CIP on Typical Residential Utility Bill**

*City of Mayville, WI*

Year	Water				Sewer				Utility Bill (Annual)	Change Over Prior Year	% of MHI (46,889)	Year	
	Increase	Water Vol. Charge <sup>1</sup>	Water User Charge <sup>2</sup>	Utility Bill (Monthly)	Change Over Prior Year	Increase	Sewer Vol. Charge <sup>3</sup>	Sewer User Charge <sup>3</sup>					Utility Bill (Monthly)
2023		Tiered	Serv. + PFP	\$ 20.83		100CF	Gen Service	\$ 14.14	\$ 419.66		0.90%	2023	
2024	20.41%	3.02	19.62	\$ 25.08	\$ 4.25	4.86	12.20	\$ 14.14	\$ 470.68	\$ 51.01	1.00%	2024	
2025	22.78%	3.64	23.62	\$ 30.79	\$ 5.71	4.86	12.20	\$ 20.16	\$ 611.37	\$ 140.69	1.30%	2025	
2026	0.00%	4.46	29.01	\$ 30.79		6.93	17.39	\$ 28.72	\$ 714.16	\$ 102.79	1.52%	2026	
2027	0.00%	4.46	29.01	\$ 30.79		9.87	24.77	\$ 28.72	\$ 714.16		1.52%	2027	
2028	0.00%	4.46	29.01	\$ 30.79		9.87	24.77	\$ 29.58	\$ 724.50	\$ 10.34	1.55%	2028	
2029	0.00%	4.46	29.01	\$ 30.79		10.16	25.52	\$ 29.58	\$ 724.50		1.55%	2029	
2030	0.00%	4.46	29.01	\$ 30.79		10.16	25.52	\$ 30.47	\$ 735.15	\$ 10.65	1.57%	2030	
2031	0.00%	4.46	29.01	\$ 30.79		10.47	26.28	\$ 30.47	\$ 735.15		1.57%	2031	
2032	0.00%	4.46	29.01	\$ 30.79		10.47	26.28	\$ 31.38	\$ 746.12	\$ 10.97	1.59%	2032	
2033	0.00%	4.46	29.01	\$ 30.79		10.78	27.07	\$ 31.38	\$ 746.12		1.59%	2033	
<b>Total Change over planning period</b>										<b>\$ 326.45</b>			
										<b>\$ 17.24</b>			

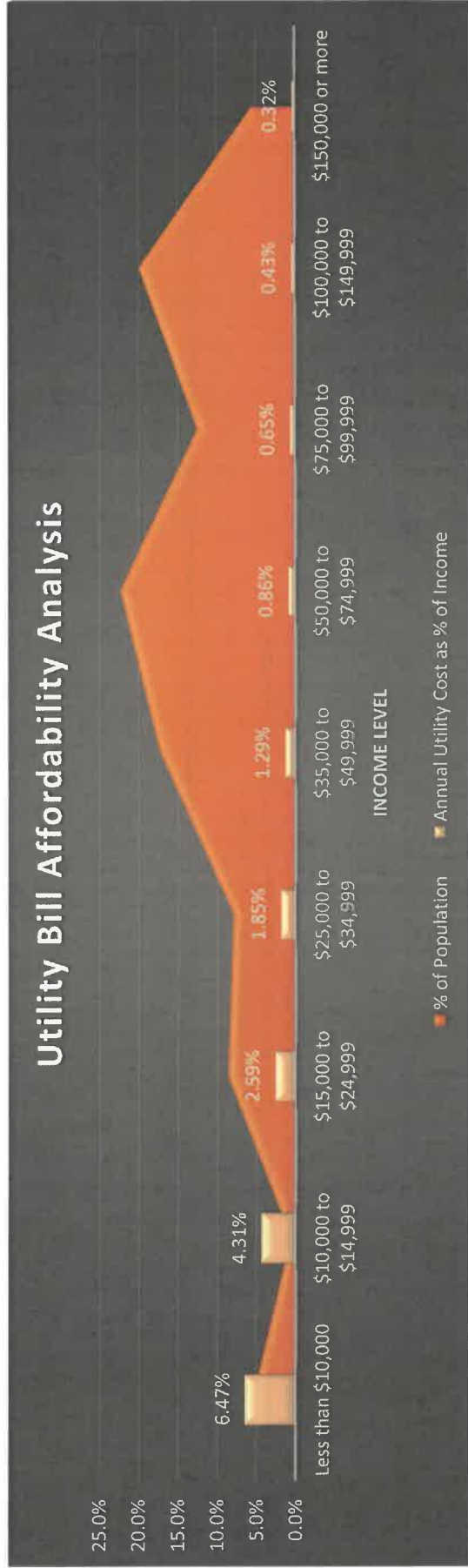
**Notes:**

1. Current water volumetric rate is per \$3.02 per 100 cubic feet for the first 1500 cubic feet
2. The water user charges include a monthly service charge of \$7.93 plus a public fire protection charge of \$11.69 for a 5/8 inch meter.
3. The current Sewer volumetric rate is \$4.86 per 100 cubic feet and a service charge of \$12.20 for 5/8 inch meter.
4. The usage is assumed to be 400 CF per month.





**Table 13**  
**Projected Impact of CIP on Typical Residential Utility Bill - Affordability**  
*City of Mayville, WI*



**Notes:**

- 1) Utility Cost taken as a 5-year average of water and wastewater bills for an average (5/8"; 400 CF./mo.) Residential User.
- 2) City Income Level from U.S. Census Bureau's American Community Survey.
- 3) 14.7% of residential customers are estimated to have less than \$25,000 of income. These households will have spent more than 4.46% of their income under the 4-year average for this plan.

February 28, 2024

Courtney Steger  
City of Mayville  
400 Kekoskee Street  
Mayville, WI 53050

Re: Addressing Requirements of NFPA 820 for Proposed WWTF Upgrades

Dear Ms. Steger:

The City of Mayville owns and operates a Wastewater Treatment Facility (WWTF) that was originally constructed in 1932 and has since undergone numerous facility upgrades. The last major upgrade for the facility, from which the majority of existing structures were constructed, occurred around 1984.

The National Fire Protection Agency 820 Standard for Fire Protection in Wastewater Treatment and Collection Facilities (NFPA 820) was originally published in 1990, and most recently updated in 2024. NFPA 820 provides recommendations for defining the extent and classification of hazardous locations as defined by the National Electric Code (NEC) at wastewater collection and treatment facilities. The hazardous locations exhibit varying degrees of risk and require the use of specialized electrical equipment to mitigate these risks.

In general, spaces are classified as Class I Division 1; Class I Division 2; or unrated based on the risk level of exposure to potentially hazardous and/or flammable gases in that space's environment. Class I, Division 1 environments are areas where ignitable concentrations of such gases can exist all of the time or some of the time under normal operating conditions. Class I, Division 2 environments are defined as areas where such gases have the potential to exist, but are normally not present. Unrated spaces have very low potential for such gases to exist in the environment, and do not require specialized electrical equipment.

Mechanical ventilation can be used to reduce the rating of a location, i.e. exchange the atmosphere routinely to avoid the buildup of dangerous gases. Physical separation (gas-proof barrier like a masonry wall) of spaces can also be used to avoid ratings transferring from/to adjacent spaces. Please refer to NFPA 820 for the details of each type of classification and its specific properties.

Since the majority of the Mayville WWTF was constructed prior to the publication of NFPA 820, there are several existing environments within buildings that do not meet NFPA 820 requirements, based on the rating of the space as interpreted through NFPA 820 definitions. The proposed 2024 construction upgrade will seek to address as many of these deficiencies as possible. NFPA 820 is a guidance and not explicitly enforced as code.

1702 Pankratz Street  
Madison, WI 53704

P (608) 242-7779  
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[www.msa-ps.com](http://www.msa-ps.com)

Courtney Steger  
City of Mayville  
February 28, 2024

It is recommended that the perceived rating of the following spaces, through literal interpretation, be evaluated further.

- Service Building (STR 100) – Lower Pump Room/Lower Storage Room
- STR 100 – Upper Pump Room/Upper Storage Room
- STR 100 – Stair No. 6, Basement 2 through Second Floor
- Clarifier Complex (STR 300) – Clarifier Bridges
- STR 300 – Clarifier Electrical Room/Clarifier Pump Room

These evaluations will ensure that the spaces are rated according to realistic risk of exposure to hazardous gases, and to identify any additional practical measures that will help ensure a safe working environment. Options for de-rating the spaces, as applicable, are provided in the evaluations.

#### Service Building Space Evaluation

The Service Building (STR 100) currently contains the mechanical screening equipment, raw wastewater pumps, aerated grit removal equipment, and pumps and blowers for the operation of the aerobic digester. The building also contains several critical motor control centers (MCCs), which contain many electrical components, and other workspaces for facility staff that do not directly contain wastewater treatment processes or equipment.

The mechanical screening process occurs in the Lower and Upper Screen Room. The rooms are connected by an open staircase, and the Upper Screen Room is only accessible through an exterior door. This space is defined as a Class I, Division 1 area, but is physically separated from the other areas of STR 100 by concrete walls.

A wet well below the floor of the Lower Screen Room is considered an adjoining space and is also classified as Class I, Division 1. Wastewater is pumped from the wet wells following the screening process, using four pumps that are located in the Lower Pump Room. The Lower Pump Room is physically separated from the wet well by a concrete wall. The wall includes pipe penetrations, which extend through the wall in order to connect the pumps to the wet well. Should a pump be disconnected from the pipe network for maintenance, it is possible that gases from the wet well may enter the Lower Pump Room. Thus, the Lower Pump Room is considered Class I, Division 2, as build-up of gases is possible but the gases are not typically present.

The raw wastewater forcemain extends through the ceiling of the Lower Pump Room to the Upper Pump Room, then passes through other rooms of STR 100 before discharging to the aerated grit chambers. There are portions of exposed forcemain piping located in the Upper Pump Room, Stair No. 6, and the Lower Level Garage. The general configuration of the existing forcemain will remain following the proposed 2024 upgrades.

The Upper Pump Room will have magnetic flowmeters installed in-line with the forcemain piping; these meters may need to be disconnected and removed on an annual basis for



Courtney Steger  
City of Mayville  
February 28, 2024

calibration and/or maintenance. In this instance, no wastewater will be actively flowing through the disconnected portion of the forcemain. However, it is acknowledged that there is low potential for this to be a pathway for introduction of hazardous gases to the room.

There are no normal operating conditions for which portions of the exposed forcemain which are located in Stair No. 6 or the Lower Level Garage would be susceptible to transfer hazardous gases into these areas. This situation would likely only occur if there were an unexpected leak or failure of the pipeline, or if the pipe is disassembled for major, uncommon maintenance.

Under strict interpretation of NFPA 820, the non-fire rated steel doors which separate the Lower Pump Room from Stair No. 6 do not constitute a physical barrier if opened, therefore the hazardous rating of the Lower Pump Room would be transferred to Stair No. 6, and subsequently to other adjoining rooms in STR 100. Most of these rooms, including the Electrical Room, do not have inherent ratings, and would only be considered a hazardous space due to the adjoining connection through Stair No. 6.

Based on these evaluations, the greatest risk of potential exposure to hazardous gases via the wet well is likely in the Lower Pump Room. The Upper Pump Room is also susceptible due to the need to frequently maintain the flowmeters. There is minimal risk of hazardous gas build-up in Stair No. 6 and the other adjoining spaces.

The Lower Pump Room and Upper Pump Room can be de-rated from Class I, Division 2 to an unrated space if mechanical ventilation is used to provide the space with 6 air changes per hour (ACH). As an unrated space, these rooms would therefore not require specialized electrical equipment, which may include equipment motors, wiring, and lighting. However, the Class I, Division 2 rating remains if the HVAC system is not configured or operated to provide 6 ACH.

NFPA 820 requires physical separation between hazardous and non-hazardous spaces. NFPA 820 does not indicate whether the worst case non-ventilated classification or the ventilated classification passes through openings to adjacent spaces. A strict interpretation would be that when spaces are interconnected, they must all be treated as the most hazardous connected space. In the case of STR 100, this would mean that all spaces interconnected with the Lower and Upper Pump Rooms would need to be ventilated continuously at a rate of 6 ACH or be considered a hazardous (Class I, Division 2) environment. This would require a large and expensive-to-operate ventilation system to provide service for the interconnected, minimal-hazard risk spaces.

As part of the development of plans and specifications for the 2024 WWTF upgrades, MSA proposes to address the concerns posed by the potential for hazardous gas from the wet well/forcemain by installing an HVAC system capable of providing 6 ACH in the Lower Pump Room and Upper Pump Room. The ventilation would be linked to the facility SCADA and provide an alarm if disabled. This system would help ensure these spaces are ventilated according to NFPA 820 standards. Furthermore, the ventilation would reduce the already-minimal risk of gas build-up in Stair No. 6 and other adjoining spaces even further.

Courtney Steger  
City of Mayville  
February 28, 2024

To avoid the need for a major HVAC system that would continuously ventilate Stair No. 6, and all subsequent adjoining spaces, MSA is requesting the City and their Authority Having Jurisdiction (AHJ) acknowledge that these spaces are treated as unrated due to the minimal posed risk.

Currently, the aerated grit removal process presents a similar challenge as the Lower and Upper Pump Rooms, given the adjoining connection of the Lower Grit Room to a majority of STR 100. The Lower and Upper Grit Rooms are considered Class I, Division 1 environments. New concrete walls will be constructed in the hallway outside of the current access to the Lower Grit Room, which will physically isolate access from the rest of STR 100. Following the upgrades, the Lower Grit Room will only be accessible via exterior entrance, and the Lower and Upper Grit Rooms will be physically separated from the rest of STR 100. Thus, the Class I, Division 1 rating from these areas will not be transferred to other areas, and no further action to address other spaces would be required.

#### Clarifier Complex Space Evaluation

The Clarifier Complex (STR 300) currently contains a flow splitter box, two 55-foot diameter final clarifiers, and a building located between the two clarifiers. The building consists of two levels; staff enter the building on the first floor to the Clarifier Electrical Room, which contains an MCC and several equipment control panels. An open stairway adjoins the Clarifier Electrical Room to the Clarifier Pump Room, which is located directly below and occupies the space between the perimeter walls of the clarifiers. The Clarifier Pump Room contains numerous pumps that are required to transfer aerated sludge to various locations at the treatment facility.

For normal operating conditions, sludge is transferred from the bottom of the final clarifiers through piping to the sludge wet well, which is located between the clarifiers but is physically separated by walls. The RAS and WAS pumps are directly connected to the sludge wet well via piping and transfer sludge on a daily basis.

Similar to the Lower Pump Room in STR 100, there is potential for sludge gases to enter the Clarifier Pump Room via one of the connecting wet well pipes should the associated pump be disconnected from the pipe network for maintenance. However, at this point in the treatment process, the sludge has been aerated and has minimal potential for containing flammable or hazardous gases. Due to this minimal risk, MSA is recommending that the Clarifier Pump Room and adjoining Clarifier Electrical Room be treated as unrated spaces.

The clarifiers themselves are considered classified spaces because they are the first location in the treatment process where solids physically separate from the water stream following aerated treatment. Since the clarifiers are outdoor tanks, the Class I, Division 2 envelope according to NFPA 820 generally extends 18" above the tank wall, 18" beyond the exterior tank wall, and 18" above grade extending 10' from the tank wall. In the case of the existing clarifiers, this would require that the clarifier motors, clarifier control panels, and any servicing conduit be located 18" above the tank wall to avoid an explosion-proof requirement.

Courtney Steger  
City of Mayville  
February 28, 2024

The existing clarifier motors, control panel, and conduit are all accessible via the Clarifier Bridges, which extend to the center of each tank. The City has recently completed replacement of the clarifier motors and respective control panels. The existing equipment is not explosion proof. As part of the 2024 WWTF upgrades, new conduit will be provided to the clarifiers to connect the clarifier's controls to SCADA. The new conduit will be explosion-proof. The existing control panel and clarifier motors, which will not be directly affected by the 2024 WWTF upgrades, were not planned to be replaced with explosion-proof units as part of this upgrade design. An alternative solution would be to move the clarifier drives into a new MCC section in the Clarifier Electrical Room.

### Summary of Evaluations

MSA has presented the mitigative measures discussed above with the City. Please confirm that; as the AHJ, the City of Mayville's interpretation of NFPA 820 is such that the following space classifications will be recognized following completion of the 2024 WWTF upgrades:

- STR 100 –
  - Lower Pump Room/Lower Storage Room
    - NFPA 820 Definition = **Class I, Division 2**
    - Space derated by ventilation = **YES**
  - Upper Pump Room/Upper Storage Room
    - NFPA 820 Definition = **Class I, Division 2**
    - Space derated by ventilation = **YES**
  - Stair No. 6 and other adjoining spaces
    - Interpretation of NFPA 820 = **Class I, Division 2**
    - Space derated by ventilation = **NO**
    - Viewed as **Unrated** due to low risk and moderate physical separation.
  
- STR 300
  - Clarifier Bridges
    - NFPA 820 Definition = **Class I, Division 2**
    - New conduit to be intrinsically safe
    - Existing non-explosion proof motors and panels remain at risk of City and AHJ.
  - Clarifier Electrical Room/Clarifier Pump Room
    - Interpretation of NFPA 820 = **Class I, Division 2**
    - Space derated by ventilation = **NO**
    - Viewed as **Unrated** due to low risk.

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Courtney Steger  
City of Mayville  
February 28, 2024

Sincerely,  
MSA Professional Services, Inc.



Steve Sell, P.E.  
Project Manager

For the City of Mayville: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Item G

Surplus Auction Items

(2) Eddie Hydrants

(2) Trailers

(1) Older Rebuild Trash Pump

(1) Generator (used for old valve turner)

(1) Sewer Televising Camera and Trailer