



AGENDA

VILLAGE OF LITTLE CHUTE UTILITY COMMISSION MEETING

PLACE: Little Chute Village Hall, Board Room

DATE: Tuesday, September 16, 2025

TIME: 5:00 p.m.

Join Zoom Meeting

<https://us06web.zoom.us/j/88469113467>

Meeting ID: 884 6911 3467

One tap mobile

+13126266799,,88469113467# US (Chicago)

- A. Call to Order
- B. Roll Call
- C. Public Appearance for Items Not on the Agenda

- 1. Approval of Minutes of August 19, 2025
- 2. Presentation—McMahon Draft Review Water System Evaluation
- 3. Discussion/Action — 2026 Sewer Rates
- 4. Discussion/Action—Approval of 2025 Purchase of Back-up VFD for Well Motors
- 5. Discussion/Action—Review and Approve 2026 Salt Bids
- 6. Progress Reports
 - a. MCO Operations Update
 - b. Director of Public Works
 - c. Finance Director
- 7. Approval of Vouchers
- 8. Unfinished Business
- 9. Items for Future Agenda
- 10. Adjournment

Requests from persons with disabilities who need assistance to participate in this meeting should be made with as much advance notice as possible to the Clerk's Office at 108 West Main Street, (920) 423-3852

Prepared: September 11, 2025

MINUTES OF THE UTILITY COMMISSION MEETING OF AUGUST 19, 2025

Call to Order

The Utility Commission meeting was called to order virtually at 5:00 PM by Kevin Coffey, Chair

Roll Call

PRESENT: Tom Buchholz
Ken Verstegen
Jessica Schultz
Mike Vanden Berg
Kevin Coffey, Chair

ALSO PRESENT: Lisa Remiker-DeWall, Beau Bernhoft, Bob Givens, Jerry Verstegen

Public Appearance for Items Not on the Agenda

None

Approval of Minutes from the Utility Commission Meeting of July 22, 2025

Moved by J. Schultz, seconded by T. Buchholz to Approve Minutes from the Utility Commission of July 22, 2025.

All Ayes – Motion Carried

Discussion/Action—Nestle Sewer Meter

Motion by K. Coffey, seconded by K. Verstegen to invoice Nestle one more month at 59% due to lens issue.

After the motion was approved Lisa Remiker-DeWall asked for clarification if it is okay to proceed with the meter reimbursement per past action as checks will be cut on Thursday after Village Board meeting approval of bills. Commission agreed they have no concern with past action.

All Ayes – Motion Carried

Discussion—Water System Evaluation Draft

Jerry gave an overview, suggested that if Commission has any questions that he can pass them along. Lisa Remiker-DeWall clarified difference between TID expenditure and Water Utility expenditure. Will be impacts to water rates as many of these future items are water utility expenditures. McMahon should add some trigger points to better define when a new tower would be needed.

Progress Reports

Approval of Vouchers

Moved by K. Verstegen, seconded by T. Buchholz, to Approve and Authorize payment of Vouchers and draw from the respective funds.

All Ayes – Motion Carried

Unfinished Business

None

Items for Future Agendas

None

Closed Session:

19.85(1)(e) Wis. Stats. Deliberations or negotiations on the purchase of public properties, investing of public funds or conducting other specific public business when competitive or bargaining reason that require a closed session. *Evergreen Water Connection and Industrial Park Fiber Easement*

Moved by J. Schultz, seconded by K. Coffey to Enter into Closed Session at 5:20 p.m.

All Ayes – Motion Carried

Return to Open Session

Moved by J. Schultz, seconded by K. Verstegen to Return to Open Session at 5:28 p.m.

All Ayes – Motion Carried

Discussion/Recommendation—Fiber Easement

Moved by T. Buchholz, seconded by K. Verstegen to Approve the Midwest Fiber Easement as presented.

All Ayes – Motion Carried

Adjournment

Moved by K. Coffey, seconded by J. Schultz to Adjourn Utility Commission Meeting at 5:30 p.m.

All Ayes – Motion Carried

VILLAGE OF LITTLE CHUTE

By: _____
Kevin Coffey, Chair

Attest: _____

Laurie Decker, Village Clerk



Item For Consideration

For Commission Review On: 09/16/2025

Prepared On: 09/09/2025

Agenda Item Topic: McMahon Presentation of Draft Review Water System Evaluation

Prepared By: Jerry Verstegen

Report: McMahon will provide an overview of the draft evaluation at the meeting gathering input to finalize the report. The goal is to further develop the distribution system modeling providing a recommendation that includes opinions of probable cost for budgetary impacts. Please review the draft Water System Evaluation report in preparation for the discussion.

Fiscal Impact:

The water tower was identified as a Tax Incremental District 7 expense. The expenditure period for this district ends July 18, 2033.

All other identified future priority items in the study will be a direct water utility cost.

Recommendation/Commission Action: This item is for discussion only. No action needed at this time

Respectfully Submitted,
Jerry Verstegen

Water System Evaluation & Plan Update

Prepared For The

VILLAGE OF LITTLE CHUTE

Outagamie County, Wisconsin

McMAHON
ENGINEERS \ ARCHITECTS

Prepared By

McMAHON ASSOCIATES, INC. | Neenah, Wisconsin

September 2, 2025

McM. No. L0001-09-25-000305

REVIEW MEETING OUTLINE

I. INTRODUCTION

- A. Update to 2017 Evaluation and Plan

II. WATER SYSTEM FACILITIES, DISTRIBUTION SYSTEM, OPERATION

- A. Report summarized existing facilities, distribution system, and current operation.
 - 1. Well #1 Pumphouse (Doyle Park) - Well #1, softeners, 300,000-gallon ground storage, two booster pumps (#1 and #2)
 - 2. Well #3 and Pumphouse #2 (Washington Street/Jefferson Street) - Well #3 and transmission to Pumphouse #2 with softeners, 200,000-gallon ground storage, two booster pumps (#3 and #4)
 - 3. Well #4 Pumphouse (Evergreen Drive) - Well #4, softeners, 500,000-gallon ground storage, two booster pumps (#5 and #6)
 - 4. Elevated Tower #1 (Stephen Street) - 300,000 gallons
 - 5. Elevated Tower #2 (Jefferson Street) - 250,000 gallons
 - 6. Distribution System Summary
 - 7. Current Operation

III. FUTURE NEEDS

- A. Establish System Standards
 - 1. Service Area
 - 2. Population Projections
 - a. 2020 Census..... 11,619 (2013 DOA Projection - 10,470)
 - b. 2025 12,500 (Estimate)
 - c. 2030 12,896 (2013 DOA Projection - 11,100)
 - d. 2050 14,859
 - 3. Historical and Projected Future Demands
 - a. Report Figure #5 - Historical Water Demand (2015 through 2024)
 - 1) Current Demands..... 1.67 MGD ADD, 2.61 MGD MDD

REVIEW MEETING OUTLINE

- b. 2020 to 2024 - Residential water use decreased by 10% while Industrial water use increased by 85%
 - 1) 2024 Total Water Use 135 gpcd
 - 2) 2024 Residential Water Use 39 gpcd
- c. Projections Based on Population
 - 1) Total per Capita Demand 135 gpcd (117 gpcd average)
 - 2) MDD to ADD Ratio 1.62 (1.53 average)
 - 3) New Industry Demand 500,000 gpd
 - 4) 2050 Projections (Report Table #6)
 - a. 2 MGD ADD, 3.25 MGD MDD without New Industry
 - b. 2.5 MGD ADD, 4.06 MGD MDD with New Industry

B. Supply, Storage, and Distribution Analysis

- 1. Supply - 3 MGD capacity, assumes largest source out of service
- 2. Storage - MDD, 3,500 gpm fire flow, 75% elevated storage capacity available, largest source out of service
 - a. 777,500-Gallons Recommended
 - b. 772,500-Gallons Available
- 3. Distribution System Analysis Through Modeling

IV. CONCLUSIONS

- A. Future year 2050 demands used to evaluate supply and storage capacity.
- B. Reliable supply capacity is adequate for current demands up to 3 MGD. 4 MGD needed for 2050?
- C. Storage capacity is adequate for current demands, but slightly deficient at future conditions? Altitude valve at Tower #2.
- D. 4th main crossing to support development north of I-41 and provide redundancy?
- E. Prioritization of improvements.

V. NEXT STEPS

- A. Further development of modeling efforts and expand on recommendations for distribution system.
- B. Add "markers" for additional supply and storage.
- C. Opinions of probable cost for potential system improvements.
- D. Water Service Area Plan (NR 854)

Attachment: Figure #5 – Historical Water Demand



ENGINEERING REPORT

WATER SYSTEM EVALUATION & PLAN UPDATE

FOR THE



VILLAGE OF LITTLE CHUTE | OUTAGAMIE COUNTY, WISCONSIN

DRAFT

JULY 31, 2025

McMAHON
ENGINEERS \ ARCHITECTS

McMAHON ASSOCIATES, INC.

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MCM. No. L0001-092500305 / ASK:jlh



WATER SYSTEM EVALUATION & PLAN UPDATE

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 - 3. Well House #4 - Evergreen Drive
 - 4. System Storage
 - C. Water Distribution System
 - D. System Operation
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 - 1. Water System Demands
 - B. Water System Analysis
 - 1. System Standards
 - 2. Supply System Capacity Analysis
 - 3. Storage System Capacity Analysis
 - 5. Water Distribution System Analysis
 - 6. Future Water Tower Site
 - 7. Conclusions

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WATER SYSTEM EVALUATION & PLAN UPDATE

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ENGINEERING REPORT

WATER SYSTEM EVALUATION & PLAN UPDATE



VILLAGE OF LITTLE CHUTE
OUTAGAMIE COUNTY, WISCONSIN

JULY 31, 2025
McM No. L0001-09-25-00305

I. INTRODUCTION

The Village of Little Chute is located in the Heart of the Valley area of the Fox Cities in northeastern Wisconsin. For many years, the Village was predominately a residential community consisting of single-family homes. The community has experienced steady growth with more recent industrial development occurring both south and north of Interstate 41 (I-41) and residential multi-family development north of I-41.

A Water System Evaluation and Plan was previously prepared by McMahon Associates, Inc. (McMahon) for the Village in 2017, which projected water demands based on a year 2030 projected population of 11,100 residents. With industrial development and the Village's current population increasing above 12,000 residents, the Village has outgrown the 2017 Water System Evaluation and Plan and an update to the Plan is needed.

II. WATER SYSTEM DESCRIPTION

A. General

The Village of Little Chute water system primarily consists of the following components:

- Three Wells – Well #1, Well #3 and Well #4
- Three Ion Exchange Softening Treatment Plants
- Three Ground Level Water Storage Reservoirs – 200,000, 300,000 and 500,000-gallon
- Six Booster Pumps
- Two Elevated Water Towers – 250,000 and 300,000-gallon
- Water Distribution System

A schematic of the operation of water system is provided on Figure #1. A current map of the distribution system identifying the system components is provided on Figure #2.

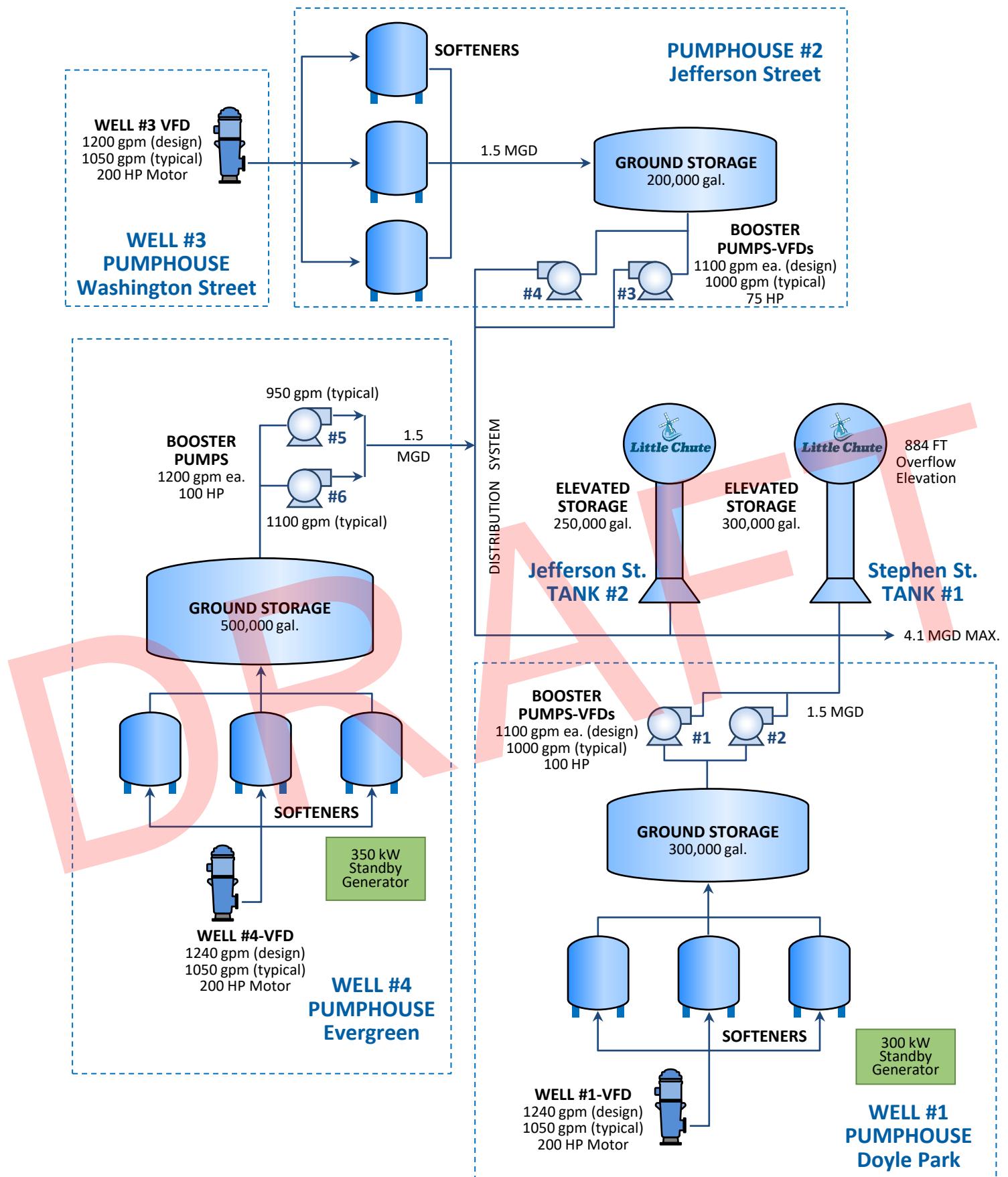


FIGURE #1
WATER SYSTEM SCHEMATIC
WATER SYSTEM EVALUATION & PLAN UPDATE
VILLAGE OF LITTLE CHUTE, WISCONSIN

VILLAGE OF LITTLE CHUTE, WISCONSIN
MCM #L0001-09-25-00305 7/31/25
D: LITTLE CHUTE WATER SYSTEM EVAL FIG 1 SCHEMATIC.PPTX ASK:jmk

McMAHON ENGINEERS / ARCHITECTS



Water Distribution System (By Diameter)

- 4 inch
- 6 inch
- 8 inch
- 10 inch
- 12 inch
- 16 inch

Other Mapped Features

- Connection Point
- Elevated Tank
- Well
- ===== Municipal Boundary
- Parcel or
Right-of-Way Line
- +— Railroad Centerline
- ~~~~ Stream
-  Surface Water

Source: Outagamie County 2023-25

Disclaimer: The property lines, right-of-way lines, and other property information on this drawing were developed or obtained as part of the County Geographic Information System or through the County property tax mapping function. McMAHON ASSOCIATES, INC. does not guarantee this information to be correct, current or complete.

The property and right-of-way information are only intended for use as a general reference and are not intended or suitable for site-specific uses.

general reference and are not intended or suitable for the specific uses. Any use to the contrary of the above stated uses is the responsibility of the user and such use is at the user's own risk.



0 1,500 3,000
 Feet

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FIGURE 2
2025 WATER DISTRIBUTION
SYSTEM BY DIAMETER
WATER SYSTEM EVALUATION
AND PLAN UPDATE
VILLAGE OF LITTLE CHUTE
OUTAGAMIE COUNTY, WISCONSIN

B. Water System Facilities

Well construction information is summarized in Table #1 and the Well Construction Logs are provided in Appendix #1. The capacity of the booster pumping equipment is presented in Table #2. Softener facility data is provided in Table #3. A summary table of the storage facilities is provided in Table #4. A general description of the facilities is provided in the following sections.

1. Well #1 Pumphouse – Doyle Park

The Well #1 Pumphouse is located at Doyle Park in the southern area of the Village. The facility houses Well #1, the ion exchange softening system, a 300,000-gallon ground level water storage reservoir and two booster pumps. Well #1 is a 12-inch diameter well, originally constructed in 1923 and later deepened to 724-feet in 1950. Raw water from Well #1 is treated using the onsite ion exchange softening shells. Treated water is stored in the 300,000-gallon ground reservoir prior to distribution by the two booster pumps (Booster Pumps #1 and #2).

An extensive improvement project was completed at the Well #1 Pumphouse in 2017, including:

- Rehabilitation of the well pumping equipment and replacement of the booster pump motors.
- Replacement of the softeners to increase the efficiencies and decrease salt use/chloride discharges.
- Redirection of softener regeneration brine cycle, slow rinse and fast rinse wastewater to the sanitary sewer.
- Installation of a new 300 kW diesel generator with an automatic transfer switch.

2. Pumphouse #2 (Jefferson Street) & Well #3 (Washington Street)

Pumphouse #2 is located at the north end of Jefferson Street at the railroad tracks. Well #2 was previously abandoned, but the ion exchange softeners and booster pumping equipment is still housed in the pumphouse. Well #3 is located on Washington Street, approximately 2,000-feet west of Pumphouse #2. This 12-inch well was originally constructed in 1973. Raw water from Well #3 is pumped to Pumphouse #2 for treatment and distribution to the system. Treated water is stored in the 200,000-gallon ground reservoir prior to distribution by the two booster pumps (Booster Pumps #3 and #4).

Table #1

WELL CONSTRUCTION & WELL PUMP DATA
WATER SYSTEM EVALUTION & PLAN UPDATE
Village of Little Chute | Outagamie County, Wisconsin

	Well Depth	Casing Data	Pump Install Data	Design Capacity	Pump Setting	Motor Install Data	Auxiliary Power
WELL #1 BG 582 Constructed	734-feet 1950	12-inch: 0 - 102-feet	2017 - Goulds 12 CHC 6-Stage	1,400 gpm Typical Operating Capacity: 1,050 gpm	280-feet	200-HP 1997 - Aurora	Diesel Generator
WELL #3 BG 584 Constructed	805-feet 1974	18-inch: 0 - 48-feet 12-inch: 2 - 320-feet	2021- Goulds 12 CHC 7-Stage	1,300 gpm Typical Operating Capacity: 1,050 gpm	430-feet	200-HP 1992	None
WELL #4 NG 591 Constructed	750-feet 1999	20-inch: 0 - 47-feet 16-inch: 0 - 449-feet	2018 - Goulds 12 CHC 6-Stage	1,100 gpm Typical Operating Capacity: 1,050 gpm	430-feet	200-HP 2009 - GE	Diesel Generator

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Table #2

BOOSTER PUMPING EQUIPMENT
WATER SYSTEM EVALUATION & PLAN UPDATE
Village of Little Chute | Outagamie County, Wisconsin

Location	Motor	Motor Mfg.	VFD/Soft	Installed/Built	Design Capacity	Typical Capacity	TDH	Auxiliary Power	
Booster #1	Well House #1 - 100 VanBuren Street	100-HP	US Motor	VFD	2017	1,100 gpm	1,050 gpm	196	Diesel Generator
Booster #2	Well House #1 - 100 VanBuren Street	100-HP	US Motor	VFD	2017	1,100 gpm	1,050 gpm	196	Diesel Generator
Booster #3	Pumphouse #2 - 1118 Jefferson Street	75-HP	US Motor	VFD	1992	1,100 gpm	1,000 gpm	154	None
Booster #4	Pumphouse #2 - 1118 Jefferson Street	75-HP	US Motor	VFD	2014	1,100 gpm	1,000 gpm	154	None
Booster #5	Well House #4 - 625 E Evergreen	100-HP	US Motor	Soft	2001	1,200 gpm	950 gpm	174	Diesel Generator
Booster #6	Well House #4 - 625 E Evergreen	100-HP	US Motor	Soft	2001	1,200 gpm	1,100 gpm	174	Diesel Generator

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Table #3

SOFTENER FACILITIES
WATER SYSTEM EVALUATION & PLAN UPDATE
Village of Little Chute | Outagamie County, Wisconsin

ID Tag	Location	Year Installed / Built	Design Resin (cu.ft.)	Actual Resin (cu.ft.)	Resin Removal	Hardness	Design Regeneration Setpoint	Actual Regeneration Setpoint
Well #1 - Shell #1	Well House #1	2017	230	230	19,000	24	182,083	154,000
Well #1 - Shell #2	Well House #1	2017	230	230	19,000	24	182,083	154,000
Well #1 - Shell #3	Well House #1	2017	230	230	19,000	24	182,083	154,000
Pump #2 - Shell #1	Pumphouse #2	1992	260	260	20,000	22	236,364	180,000
Pump #2 - Shell #2	Pumphouse #2	1992	260	260	20,000	22	236,364	180,000
Pump #2 - Shell #3	Pumphouse #2	1950 / Rehab 2002	260	260	20,000	22	236,364	180,000
Well #4 - Shell #1	Well House #4	2001	320	320	20,000	34	188,235	150,000
Well #4 - Shell #2	Well House #4	2001	320	320	20,000	34	188,235	150,000
Well #4 - Shell #3	Well House #4	2001	320	320	20,000	34	188,235	150,000

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Table #4

SUMMARY OF WATER STORAGE FACILITIES
WATER SYSTEM EVALUATION & PLAN UPDATE
Village of Little Chute | Outagamie County, Wisconsin

Location	Capacity	Year Constructed
Elevated Tanks		
Tank #1 - Stephen Street	300,000-gal	2002
Tank #2 - Jefferson Street	250,000-gal	1967
Ground Reservoirs		
Reservoir #1 - Well #1	300,000-gal	1979
Reservoir #2 - Pumphouse #2	200,000-gal	1952
Reservoir #3 - Well #4	500,000-gal	2001

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3. Well #4 Pumphouse – Evergreen Drive

Located on the north side of I-41, the Well #4 Pumphouse was constructed in 2000. The pumphouse houses Well #4, three softener shells and two booster pumps (Booster Pumps #5 and #6). There is also a 500,000-gallon ground storage tank at this location.

4. System Storage

The storage facilities in the Little Chute system include both elevated storage and ground storage reservoirs. The ground storage reservoirs are located at each pump station, as previously mentioned. Treated water is discharged to each reservoir and then pumped into the system via the booster pumps.

Elevated storage serves two purposes in a water system: 1) Maintains system pressure; and 2) Provides reserve capacity for fire protection supply and for peak demands.

There are two elevated water towers in the system:

- Stephen Street - Elevated Tower #1..... 300,000-gallon
- Pumphouse #2 - Jefferson Street - Elevated Tower #2 250,000-gallon

C. Water Distribution System

The Village of Little Chute water distribution system (See Figure #2) consists of approximately 61-miles of water main, ranging in size from 4-inch to 16-inch. A summary of the pipe diameters and lengths is summarized in Table #5. Approximately 15,600-feet or about 3-miles of new water main has been installed since 2016, primarily to serve new development north of I-41 and immediately adjacent to I-41 to the south.

The transmission system consists of the larger diameter water mains that convey the majority of water through the distribution system and should connect the supply and storage components of the system. The Little Chute transmission system consists of 10, 12 and 16-inch diameter water mains and is highlighted on Figure #2.

The Village of Little Chute and the City of Appleton water distribution systems are connected for emergency purposes at the intersection of Evergreen Drive and French Road. Currently, the connection consists of two gate valves, which are operated manually in the event of an emergency. There are no metering facilities on the connection. The hydraulic grade line of the Appleton system is 914 and the grade line of the Little Chute system is 884. Therefore, the Appleton system can provide water to the Little Chute system without pumping.

Table #5

WATER MAIN DATA
FEET OF MAIN / AGE OF MAIN
WATER SYSTEM EVALUATION & PLAN UPDATE
Village of Little Chute | Outagamie County, Wisconsin

Pipe Size	1920-1940 (feet)	1941-1960 (feet)	1961-1970 (feet)	1971-1980 (feet)	1981-1990 (feet)	1991-2000 (feet)	2001-2010 (feet)	2011-2020 (feet)	2021-2030 (feet)	Total (feet)
4-inch	290	306				68				664
6-inch	3,071	5,680	7,247	13,130	1,267	1,560	1,108	2,262	372	35,697
8-inch	3,057	8,570	10,543	31,760	16,731	18,060	42,085	29,247	6,831	166,884
10-inch	1,621	4,522		1,105	1,517	1,526	7,474	2,898		20,663
12-inch	70		2,653	10,295	13,276	12,480	26,824	20,061	6,100	91,759
16-inch				3,520	677	1,663	331		2	6,193
Total	8,109	19,078	20,443	59,810	33,468	35,357	77,822	54,468	13,305	321,860
										61-miles

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The Village's distribution system is also connected to the Kaukauna Utilities water system at East Main Street at Hayes Street. The connection is the same as the connection to the Appleton system, in that valves are operated manually to open the connection and there are no metering facilities. The hydraulic grade line of the Kaukauna system is 865, which is about 19-feet lower than the Little Chute system. Therefore, the Little Chute system can provide water to Kaukauna, but the Kaukauna system cannot provide water to Little Chute without pumping to maintain current operating conditions. However, the hydraulic grade line of the Kaukauna system is about 13-feet above the "low level" of Little Chute's towers and, therefore, could be used in an emergency.

D. System Operation

The main controls for the water system are housed at the Well #4 Pumphouse. Booster pumps are called to operate based on the water level in the Jefferson Street tank. The Stephen Street tank was previously used for control because the Jefferson Street tank level is heavily influenced by its proximity to Pumphouse #2. However, the Stephen Street tank is drawn down faster than the Jefferson Street tank due to the increased demand in the north side of the system. Control using the Stephen Street tank results in overflow of the Jefferson Street tank well before the Stephen Street tank reaches its high level setpoint.

The booster pumps are currently controlled using an operating range of the top 5-feet of the elevated tanks. There are two control matrixes, one for daytime or "on-peak" operation (5:00 am to 7:00 pm) and the other for nighttime or "off-peak" operation (7:00 pm to 5:00 am) using six overlapping level control stages with setpoints between the 5-foot operating range.

The controls are generally set so that only one booster pump at each pumphouse runs at a time. If demand cannot be met with one pump, a second pump at a different station is automatically started. If there is additional demand on the system, a third pump at still another station would be started. All boosters are operated alternately, so each booster is used regularly. The lead booster pump is rotated between Booster Pumps #1, #2, #3, and #4 during on-peak operation. Booster Pumps #5 and #6 are normally reserved for off-peak operation to save on energy costs. All of the booster pumps are operated at the same rate, so the supply is consistent. There is usually at least one pump running 24-hours, 7-days a week. During on-peak hours, a second pump is always called to run and sometimes a third. There is usually only one pump running during off-peak hours.

The operation of the well pumps is regulated by the water level in the respective reservoir. The booster pumps at the Well #1 Pumphouse and Pumphouse #2, match the well pump flow rate which is normally 1,050 gpm with all softener shells in operation and 950 gpm with a softener in regeneration. The booster pumps at the Well #4 Pumphouse operate at a constant flow rate of 1,175 gpm. The regeneration of the softeners does not cause a bottleneck at any of the pumphouses.

III. FUTURE NEEDS

A. Water System Service Area

The Village of Little Chute is in a desirable location with easy access to I-41. The community has experienced both residential and non-residential growth recently, and it is anticipated that the growth will continue. The water distribution system is already well developed in the southeastern portion of the service area and continues to expand north of I-41.

The future water service area is highlighted on Figure #3 and is located as follows:

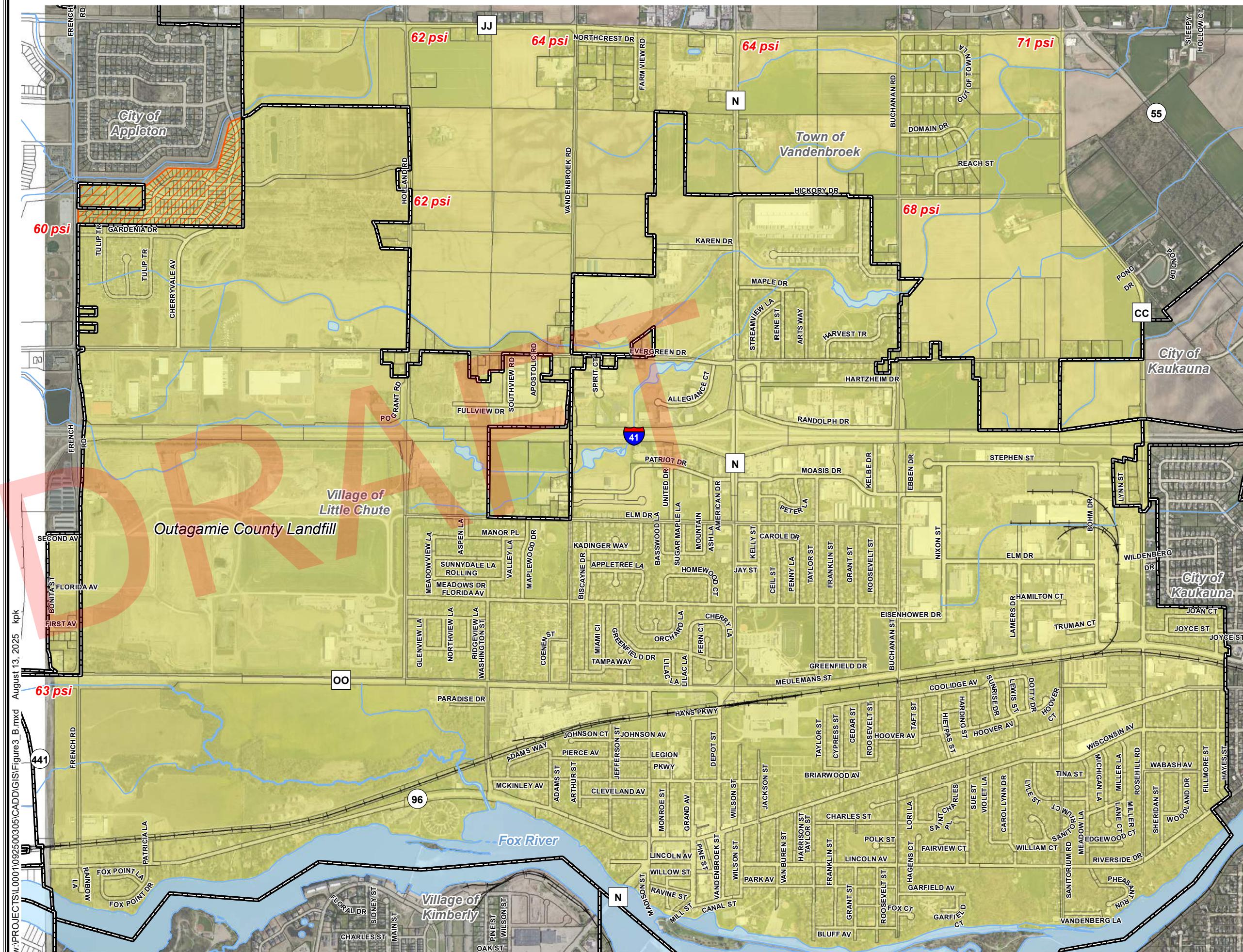
- South Boundary – Fox River
- West Boundary – French Road and HWY 441
- North Boundary – CTH JJ and Gardenia Drive
- East Boundary – CTH CC, Rosehill Road and Hayes Street

A Comprehensive Plan 2016 - 2036 was completed for the Village by Martenson & Eisele in July 2016. The Plan presents anticipated growth and land use projected for the community. A copy of the Future Land Use Map is presented on Figure #4. As stated in the Comprehensive Plan, the strongest opportunities for commercial development are on both sides of I-41. Industrial development should be promoted in the Little Chute Industrial Park and on the south side of North Avenue (CTH OO), across from the Outagamie Recycling & Solid Waste Facility. There are relatively few limitations on development in the planning area caused by natural resources, such as steep slopes, soil conditions or large bodies of surface water. The following land needs projection is presented in the Comprehensive Plan:

"Based on historical ratios of the number of residents per acre of a specific land use, by 2025 the Village will need an additional 120-acres for residential development, 7-acres for commercial development and 7-acres for industrial development. However, due to the Village's location along I-41, demand is far exceeding the ratios."

Population projections for the years 2020 through 2030 were previously developed in 2013 for the State of Wisconsin by the Department of Administration (DOA) and reported in the Village's Comprehensive Plan.

- 2000 Census.....10,476
- 2010 Census.....10,449
- 202010,740
- 202510,950
- 203011,100



Water System Service Area



Appleton Customers Served by Little Chute Water

Other Mapped Features

62 psi Projected Static Pressure

- ===== Municipal Boundary
- Parcel or Right-of-Way Line
- +— Railroad Centerline
-  Stream
-  Surface Water

Note: System Hydraulic Grade Line - 884

Source: Outagamie County, 2023-25.

Disclaimer: The property lines, right-of-way lines, and other property information on this drawing were developed or obtained as part of the County Geographic Information System or through the County property tax mapping function. McMAHON ASSOCIATES, INC. does not warrant the accuracy of this information. It is the responsibility of the user to verify this information before using it for any purpose.

guaranteed this information to be correct, current, or complete. The property and right-of-way information are only intended for use as a general reference and are not intended or suitable for site-specific uses.

general reference and are not intended or suitable for site-specific uses. Any use to the contrary of the above stated uses is the responsibility of the user and such use is at the user's own risk.

of the user and such use is at the user's own risk.

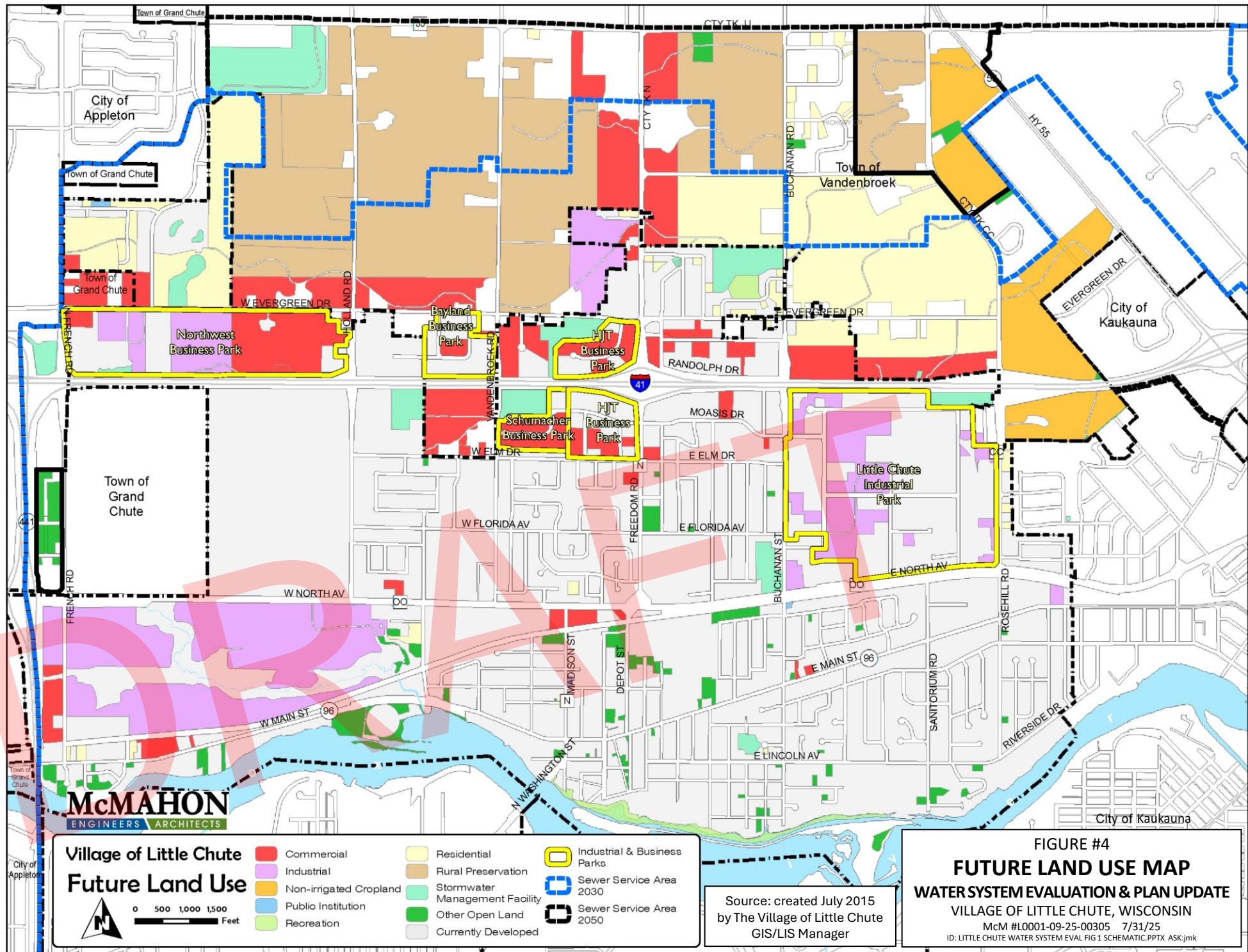


0 1,500 3,000
Feet

McMAHON

ENGINEERS / ARCHITECTS

FIGURE 3
WATER SYSTEM SERVICE AREA
WATER SYSTEM EVALUATION
AND PLAN UPDATE
VILLAGE OF LITTLE CHUTE
OUTAGAMIE COUNTY, WISCONSIN



Updated population projections through year 2050 were recently produced by the DOA in 2024 based on the 2020 Census data.

- 2020 Census.....11,619
- 203012,896
- 204014,109
- 205014,859

With a 2020 Census population of 11,619, the Village's population has well exceeded the previous projections used in the Comprehensive Plan and the 2017 Water System Evaluation and Plan for the Village of Little Chute. These most recent projections indicate that the Village's population is expected to increase to almost 12,900 people by year 2030 compared to the projected 2030 population of 11,100 from 2013. With an estimated population of 12,178 in 2023, the Village is well on its way to meeting the ~~current~~ year 2030 projection and may still be exceeding projections.

Distribution system pressures are maintained by the height of the water in the elevated tanks above the ground elevation. Wisconsin Administrative Code NR 811.70(4) establishes the following requirements for a municipal water system:

- Static Pressure at Ground Level
 - ▶ Minimum35 psi
 - ▶ Maximum100 psi

Experience indicates that distribution system pressures falling below 45 psi may result in customer complaints.

The potential distribution system static pressures were calculated for the service area and are outlined on Figure #3. The maximum water level in the elevated tanks or hydraulic grade line of the Little Chute system is estimated at elevation 884. A value of 874 was used for this analysis to account for operational changes in the water levels and friction losses in the distribution system. The results give general information regarding the water system pressures that could be provided. A network of water mains of sufficient size would need to be extended in the future service area to provide service. Results indicate that the existing system can provide pressures greater than 60 psi throughout the planning area.

1. Water System Demands

a. Water Demand History

A summary of the Village of Little Chute's historical water system demands over the previous five years (2020 through 2024) are presented in Table #6. A graph of Village's average and maximum day demands

Table #6

HISTORICAL & PROJECTED WATER USAGE
 WATER SYSTEM EVALUATION & PLAN UPDATE
 Village of Little Chute | Outagamie County, Wisconsin

Customer Classification	2020		2021		2022		2023		2024		OVERALL		2050	
	No. of Customers	Annual Water Sales (gallons)	No. of Customers	Annual Water Sales (gallons)	No. of Customers	Annual Water Sales (gallons)	No. of Customers	Annual Water Sales (gallons)	No. of Customers	Annual Water Sales (gallons)	Change in No. of Customers	Change in Water Sales (gallons)	% Change in Water Sales (gallons)	
Residential	4,069	164,375,000	4,128	148,796,000	4,173	146,526,000	4,213	152,098,000	4,234	147,296,000	165	-17,079,000	-10%	
Commercial	363	26,384,000	374	34,928,000	391	40,379,000	399	35,505,000	404	30,926,000	41	4,542,000	17%	
Industrial	32	137,038,000	29	148,001,000	32	154,776,000	32	220,776,000	30	253,307,000	-2	116,269,000	85%	
Public Authority	27	9,194,000	27	8,146,000	28	10,229,000	22	13,604,000	33	10,617,000	6	1,423,000	15%	
Multi-family Residential	52	27,873,000	51	30,660,000	50	32,755,000	52	30,647,000	55	32,121,000	3	4,248,000	15%	
Totals	4,543	364,864,000	4,609	370,531,000	4,674	384,665,000	4,718	452,630,000	4,756	474,267,000	213	109,403,000	30%	
														Average
Population Estimate		11,619		12,170		12,160		12,178		12,364		12,218		14,859
Annual Pumpage, gallons		463,173,000		455,439,000		463,208,000		557,840,000		608,099,000		521,146,500		
Average Day, gpd		1,269,000		1,248,000		1,269,000		1,528,000		1,666,000		1,428,000		
Total GPCD		109		103		104		125		135		117		135
Residential GPCD		39		33		33		34		33		33		
Maximum Day, gpd		1,883,000		2,021,000		1,897,000		2,284,000		2,610,000		2,203,000		
Cause Of Max		Summer Demand		Summer Demand & Main Break										
Max Day Ratio		1.48		1.62		1.49		1.49		1.57		1.54		1.62
Minimum Day, gpd		720,000		824,000		892,000		1,034,000		1,181,000		982,750		
Total Water Losses		12%		10%		11%		12%		17%		13%		
Non-Revenue Water		21%		19%		17%		19%		22%		19%		

Projected Water Use Parameter	Avg Day (gpd)	Max Day (gpd)
2050 Population = 14,859	2,006,000	3,249,700
	(14,859 x 135 gpcd)	(2.006 mgd x 1.62)
Add 0.5 mgd (Avg. Day Demand)	500,000	810,000
		(0.50 mgd x 1.62)
Projected Water Demand With Population Growth + 0.5 mgd	2,506,000	4,059,700

compared to the number of water system customers from 2015 through 2024 is provided in Figure #5.

The annual Average Day Demand (ADD) and Maximum Day Demand (MDD) slightly decreased over the period between 2015 through 2019, while the number of customers increased by over 200 (4,335 to 4,543) over the same 5-year period. In 2015, the ADD was 1.22 mgd and the MDD was 1.845 mgd while in 2019, the ADD was 1.141 mgd and the average MDD was 1.505 mgd. The decrease in demand from previous years can likely be attributed to residential customers installing water saving plumbing fixtures and appliances, industrial customers implementing water efficiency methods, and ultimately the beginning of the COVID-19 pandemic.

In 2020, the ADD and MDD increased to levels slightly above those observed in 2015 before the observed decrease in demands to the 2019 low. Demands remained stable from 2020 through 2022 despite an increase of 131 total customers. This was followed by sharp increase in both ADD and MDD from 2022 to 2024. 2024 saw the highest overall water system demand over the 5-year period between 2020 and 2024, with an ADD of 1.666 mgd and an MDD of 2.610 mgd. The total number of customers increased by 213 over this period, with the biggest observed increase in the residential customer category followed by commercial, while the number of industrial customers decreased by two. In terms of water use, residential use decreased by 10% over the 5-year period despite the increase in the number of customers. Industrial water use increased by 85% even with the loss of two customers over the same period.

The following values are of note regarding the Little Chute water system demands:

	2020	2024	5-year Average
Total Water Use, gpcd	109	135	115
Residential Water Usage, gpcd	39	33	34
Average Day Demand, mgd	1.269	1.666	1.396
Maximum Day Demand, mgd	1.883	2.610	2.139

The annual water demands over the past five years for the Village of Little Chute's ten top water users based on 2024 volume are presented in Table #7. The top ten water users for each year (2020 through 2024) ranked in order of revenue, are included in Appendix #2. The list of top customers includes a mix of industrial, commercial, public authority, and multi-family residential users. In 2024, the "top ten" accounted for 58% of the Village's total water demand, up from about 43% in 2020; however, it should be

Figure #5

HISTORICAL WATER DEMAND
WATER SYSTEM EVALUATION & PLAN UPDATE
Village of Little Chute | Outagamie County, Wisconsin

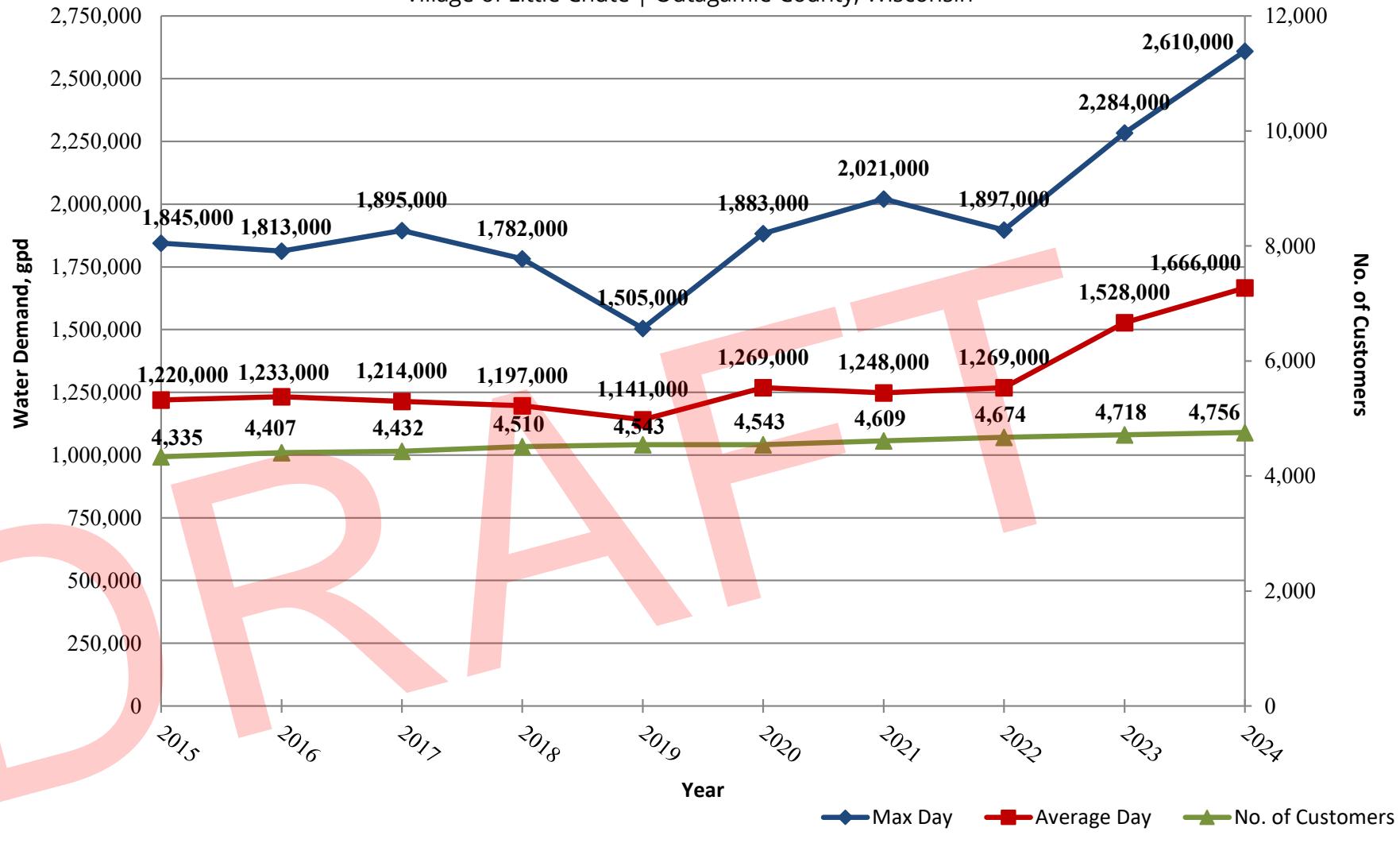


Table #7

HISTORICAL WATER DEMANDS FOR TOP 10 CUSTOMERS

WATER SYSTEM EVALUATION & PLAN UPDATE
Village of Little Chute | Outagamie County, Wisconsin

Industrial Customer	2024		2023		2022		2021		2020	
	Annual Total (gal)	% of Total Sales	Annual Total (gal)	% of Total Sales	Annual Total (gal)	% of Total Sales	Annual Total (gal)	% of Total Sales	Annual Total (gal)	% of Total Sales
Agropur, Inc.	114,632,777	24%	109,253,005	24%	52,513,420	14%	53,222,010	14%	48,916,700	13%
Crystal Print Water	68,908,078	15%	35,605,202	8%	25,465,034	7%	21,091,000	6%	22,194,000	6%
Nestle Pizza Division	46,894,866	10%	53,924,476	12%	58,143,021	15%	62,410,430	17%	67,018,570	18%
Lexington Homes, Inc.	15,255,771	3%	14,823,384	3%	14,974,860	4%	10,635,330	3%	6,141,890	2%
Oh Snap! Pickling, LLC	9,809,446	2%	5,889,107	1%	5,956,950	2%	3,366,600**	1%	Not in 2020 Top Ten	
Bel Brands USA	5,601,821	1%	7,492,571	2%	6,635,000	2%	6,290,000	2%	6,144,000	2%
Outagamie County	5,181,890	1%	6,493,001	1%	4,133,343	1%	3,616,000	1%	3,348,000	1%
Hickory Lane MHC WI	3,383,738	1%	5,913,055	1%	5,186,380	1%	2,682,120	1%	2,370,000	1%
Village of Little Chute	3,201,621	1%	4,802,620	1%	Not in 2022 Top Ten		Not in 2021 Top Ten		Not in 2020 Top Ten	
REDJ, LLC	3,106,463	1%	6,418,450*	1%	10,034,050*	3%	5,794,360*	2%	2,317,770*	1%
Total Top 10	275,976,471	58%	250,614,871	55%	183,042,058	48%	169,107,850	46%	158,450,930	43%
Total Water Sold	474,267,000		452,630,000		384,665,000		370,531,000		364,864,000	

* Absolute Supply, LLC - Replaced by REDJ, LLC in the Top 10 in 2024

** GLK Foods, LLC - Owner of Oh Snap!

noted that Oh Snap! didn't join the list of top users until 2022 and the Village of Little Chute wasn't included until 2023.

The current (2024) top five industrial water users in order of total water use include Agropur, Inc., Crystal Print, Inc., Nestle USA Inc., Oh Snap! Pickling, LLC, and Bel Brands USA. Agropur, which is currently the top water user and accounts for almost 24% of the total water sold annually, saw a significant increase in water demand in 2023 and 2024, increasing from 52.5 million gallons in 2022 to over 114 million gallons in 2024. Crystal Print also saw a significant increase in water use over the 5-year period from 22 million gallons in 2020 to just under 69 million gallons in 2024. Nestle, the third highest water user, saw a steady decrease in water use over the 5-year period from 67 million gallons in 2020 down to under 47 million gallons in 2024. Oh Snap!, which began production in 2022, has increased its water usage from about 6 million gallons in 2022 to just under 10 million gallons in 2024. Bel Brands saw an increasing trend between 2020 and 2023 before a noticeable decrease in water use in 2024 at around 5.6 million gallons, down from about 7.5 million gallons the previous year.

The total metered volume of water that is delivered into the distribution system including both water that is sold (revenue water) and water that is not sold (non-revenue water), is monitored and reported in the Public Service Commission of Wisconsin (PSCW) Annual Report. Non-revenue water includes both unbilled-metered water and unbilled-unmetered water (flushing water mains and fire protection), as well as water lost due to system leaks or breaks. During a given year, efforts are made to track and estimate the quantity of non-revenue water. The amount that cannot be accounted for is reviewed and monitored on an annual basis because this represents lost revenue for the system.

Non-revenue water and total water losses as a percentage of the total volume of water delivered to the distribution system between the years 2020 and 2024 is included in Table #6. Over the last five years, non-revenue water has averaged approximately 20% while total water losses have averaged 12%. The highest total water loss occurred in 2024 at 17% of the total annual pumpage.

The PSCW recommends system losses be maintained below 15%. If the losses exceed 15%, the PSCW may require that actions be taken to reduce water loss. Actions that may be taken include:

- Verify the accuracy of master and customer meters.
- Reviewing and improving, as appropriate, the system used to document the unmetered usage.
- Identify unmetered usage.
- Implement a leak detection program for the distribution system.

b. Projected Future Demand

Water demand parameters based on the historical averages and common engineering standards are typically used for projecting future water demands. However, in cases where non-residential customers make up a significant portion of the total water demand, projected commercial and industrial growth needs to be considered.

The Village of Little Chute's top water users were recently surveyed in an effort to gain a better understanding of their projected future water use. Agropur responded indicating that their Little Chute facility is currently operating at 60% of its capacity and if product demand increases, production would increase accordingly. However, they did not know how an increase in production would correlate with their water demand. Crystal Print indicated that they were looking into improving their chiller system, which would result in a significant reduction in their water demand. Nestle projected a slight increase in water demand, annually, in response to rising consumer demand.

Historical water use data from 2020 to 2024, as provided in Table #6, was used to develop parameters for projecting future demands. The following demand parameters are proposed for projecting future demands, and to analyze the capacity of the water supply and storage facilities.

- Total Pumpage Gallon Per Capita Per Day (gpcd) 135 gpcd
- Maximum Day Demand to Average Day Demand Ratio 1.62

The 135 gpcd of total pumpage accounts for the current industrial water demand within the "per capita" value and projects an increased demand from current industrial customers proportional to population growth. This can be used in the absence of actual water demand projections from the Village's top water users and may be considered conservative based on the survey of the top water users discussed previously. The 1.62 MDD

to ADD ratio is the highest observed ratio over the 5-year period between 2020 and 2024, whereas the average ratio over that period is 1.53.

New industrial development should also be considered when projecting future demands as a new wet industry could present a significant demand on the water system. The current ADD for the Village's top water user, Agropur, is about 315,000 gpd, assuming production is 365 days per year. The ADD for the next two top water users are about 189,000 gpd and 128,500 gpd, respectively. An additional 500,000 gpd demand was previously used in the 2017 Water System Evaluation and Plan to account for a new large customer and/or expansion by an existing customer. Use of the addition 500,000 gpd demand appears to be appropriate as evidenced by a recent inquiry by a company looking to move into the area that was projecting a similar water demand for their proposed facility at full buildout.

Year 2050 water demand projections based on projected population growth are summarized in Table #6. An additional future demand of 500,000 gpd was also added to the projections to evaluate conditions associated with a large customer moving into the Village and/or existing industrial customers expanding their production.

The projected future demands are as follows:

	Average Day Demand (gpd)	Maximum Day Demand (gpd)
Population Growth (14,859 people)	2,006,000	3,249,700
Population Growth + 0.5 mgd	2,506,000	4,059,700

B. Water System Analysis

1. System Standards

The Village of Little Chute water supply, storage and distribution systems must be designed and operated to meet Wisconsin Administrative Code requirements. There are also a number of engineering design standards that should be used when evaluating and designing a water system. The State requirements and industry standard design criteria are summarized in Table #8. These standards will be referred to in the following sections of this Engineering Report.

2. Supply System Capacity Analysis

The adequacy of a water system is evaluated on the basis of the Maximum Day Demand requirements. As a minimum, the supply required to maintain the Maximum Day Demand or Peak Day Demand will need to be supplied from the

Table #8

SYSTEM STANDARDS

WATER SYSTEM EVALUATION & PLAN UPDATE
Village of Little Chute | Outagamie County, Wisconsin

Supply System Should Meet Maximum Day Demand

Wisconsin Administrative Code NR 811

Storage Capacity Recommendations - Insurance Underwriting/Grading Service

Supply + Storage = Maximum Day Demand + Basic Fire Flow

Design Facilities For Maximum Day Demand

Wisconsin Administrative Code NR 811

Minimum Requirements

35 psi System Pressure

Wisconsin Administrative Code NR 810.10

30 psi Static Pressure at Corporation Stop

Wisconsin Public Service (PSC) Code 185.82

20 psi Residual Pressure at Meter Outlet

Wisconsin PSC Code 185.82

Maximum Pressure At Meter Outlet

125 psi for Existing Systems

Wisconsin Administrative Code PSC 185.82

100 psi Maximum Pressure at Meter Outlet for New
Systems & Major Additions to Existing Systems

entire water supply over a 24-hour period. It is important to analyze the supply system capacity before looking at the storage system capacity, because sufficient supply is needed to maintain the storage capacity. If all sources of supply are available, the supply system can produce 3,150 gpm or 4,536,000 gpd of water.

The reliability of the supply system can be analyzed under a variety of conditions. The following conditions have been analyzed and are listed in Table #9.

- Condition A.....This condition assumes all systems are operational. This condition would provide a supply of 3,150 gpm or 4,536,000 gpd.
- Condition B.....This condition assumes that the largest source of supply, Well #1, is out of service. The available supply would be 2,100 gpm or 3,024,000 gpd.
- Condition C.....This condition evaluates the system capacity operating under standby power. There is no standby power at Well #3/ Pumphouse #2, so those facilities would not be available. The available supply would be 2,100 gpm or 3,024,000 gpd; the same as Condition B.

Three different projections of Maximum Day Demand were used for the analysis, including:

- Current Maximum Day Demand (5-year average);
- Projected Maximum Day Demand, based on population projections; and
- Projected Maximum Day Demand based on growth plus an additional 0.5 mgd.

The results of the supply system capacity analysis are presented in Table #9. The analysis indicates the existing supply facilities have sufficient capacity to meet the various operational conditions and Maximum Day Demands, with all three wells in operation. However, the safe, reliable supply is what the system can provide with the largest source of supply out of service. This quantity is 3,024,000 gpd, as illustrated in Table #9. With any one of the wells out of service, the supply system will not be able to meet the projected future Maximum Day Demands. Therefore, additional supply capacity should be considered.

Table #9

SUPPLY CAPACITY ANALYSIS
WATER SYSTEM EVALUATION & PLAN UPDATE
Village of Little Chute | Outagamie County, Wisconsin

Supply Capacity = Maximum Day Demand

Reliability Analysis: Evaluate system with the largest source of supply out of service.

Supply Source	Well Capacity (gpm)	Condition A (gpm)	Condition B (gpm)	Condition C (gpm)
Well #1	1,050	1,050	N/A	1,050
Well #3	1,050	1,050	1,050	N/A
Well #4	1,050	1,050	1,050	1,050
Available Supply, gpm	3,150	3,150	2,100	2,100
Available Supply, gpd	4,536,000	4,536,000	3,024,000	3,024,000

Existing Max Day, gpd (5-year average) = 2,139,000

Existing Max Day, gpm (5-year average) = 1,490

Projected Max Day, gpd = 3,249,700

Projected Max Day, gpm = 2,260

Population Growth + 0.5 mgd Demand

Projected Max Day, gpd = 4,059,700

Projected Max Day, gpm = 2,820

The existing supply system, with all three wells in operation, has sufficient capacity to meet both the existing and projected Maximum Day Demand for the operating conditions that were considered.

However, with any one of the wells out of the service, the existing supply system does not have sufficient capacity to meet the projected Maximum Day Demands.

Condition A assumes all systems are operational.

Condition B evaluates the safe, reliable supply with the largest source of supply out of service.

Condition C evaluates the system operating under standby power. There is no standby power at Well #3/Pumphouse #2.

3. Storage System Capacity Analysis

The Insurance Service Office (ISO) recommends that the combined capacity of the water supply and system storage equal the Maximum Day Demand, plus fire protection supply requirements. The Storage System Capacity Analysis was conducted using the following:

- Fire flow requirement of 3,500 gpm for 3-hours
- Current Maximum Day Demand of 2.610 mgd
- Projected Maximum Day Demand based on growth plus an additional 0.5 mgd of 4.060 mgd.

The same available supply conditions used to analyze the supply system capacity were utilized to analyze the storage system capacity. It was assumed that only 75% of the elevated storage capacity would be available. The volume of ground storage available is equal to the amount that the booster pumps can provide.

The results of the Storage Capacity Analysis are presented in Tables #10 and #11. Available storage exceeds the recommended storage capacity for Conditions A and C. However, available storage is deficient under Condition B (Well #4 out of service). This deficiency would be further exacerbated should a greater fire flow rate and/or duration be required. Therefore, additional storage capacity should be considered.

4. Water Distribution System Analysis

The Village of Little Chute distribution system has developed in a well-connected grid. The three pumphouses and two elevated water towers are located throughout the system and are not in close proximity to each other. This helps distribute the strength of the system across the service area. However, it should be noted that the proximity of Pumphouse #2 to the Jefferson Street Elevated Tower #2 currently creates operational difficulties associated with keeping the level in the two towers approximately equal, with the Jefferson Street tower filling faster than the Stephen Street tower with Booster Pumps #3 or #4 in operation and the Stephen Street tower being drawn down faster than the Jefferson Street tower due to increased water demand on the north side of I-41.

The distribution system is bisected by railroad tracks in the southern one-third of the system and I-41 in the northern part of the system. Often, these types of features are barriers to adequate water system development. There are eight water mains crossing the railroad tracks, and five of those mains are 10-inch or larger. Therefore, there is sufficient transmission across the tracks.

Table #10

STORAGE CAPACITY ANALYSIS - EXISTING DEMAND

WATER SYSTEM EVALUATION & PLAN UPDATE

Village of Little Chute | Outagamie County, Wisconsin

Fire Flow + Maximum Day = Supply + Storage

Maximum Day Demand = 2,610,000 gpd

Fire Flow Demand	3,500 gpm x	3	Hours =	630,000 gallons
Existing Maximum Day Demand (3-hour period)				326,300 gallons

Elevated Storage

Jefferson Street Tank - Tank #2	250,000 gallons
Stephen Street Tank - Tank #3	300,000 gallons

Booster Pump

Supply Available	Capacity	Condition A	Condition B	Condition C
	(gpm)	(gpm)	(gpm)	(gpm)
Well #1	1,000	1,000	1,000	1,000
Gallons, 3-hour period	180,000	180,000	180,000	180,000
Pumphouse #2 (Supplied by Well #3)	1,000	1,000	1,000	N/A
Gallons, 3-hour period	180,000	180,000	180,000	
Well #4	1,100	1,100	N/A	1,100
Gallons, 3-hour period	198,000	198,000		198,000
Total Supply Available (gallons, 3-hour period)	558,000	558,000	360,000	378,000

Ground Storage Available / 3-Hour Period

Booster Pump

Supply Available From Ground Storage	Capacity	Condition A	Condition B	Condition C
	(gpm)	(gpm)	(gpm)	(gpm)
Well #1	1,000	1,000	1,000	1,000
Gallons, 3-hour period	180,000	180,000	180,000	180,000
Pumphouse #2 (Supplied by Well #3)	1,000	1,000	1,000	N/A
Gallons, 3-hour period	180,000	180,000	180,000	
Well #4	1,100	1,100	N/A	1,100
Gallons, 3-hour period	198,000	198,000		198,000
Total Supply Available (gallons, 3-hour period)	558,000	558,000	360,000	378,000

Existing System Analysis / Gallons

Condition A **Condition B** **Condition C**

(gpm) (gpm) (gpm)

Fire Flow (3-Hours)	630,000	630,000	630,000
Maximum Day (3-Hours)	326,300	326,300	326,300
Less Available Supply (3-Hours)	-558,000	-360,000	-378,000
Recommended Storage Capacity	398,300	596,300	578,300

Elevated Storage Available (75% Full) 412,500 412,500 412,500

Ground Storage 558,000 360,000 378,000

Total Storage Available **970,500** **772,500** **790,500**

Available Storage exceeds the recommended storage capacity. Therefore, there is sufficient storage capacity in the system to meet the existing Maximum Day Demands.

Condition A assumes all systems are operational.

Condition B evaluates the safe, reliable supply with the largest source of supply out of service.

Condition C evaluates the system operating under standby power. There is no standby power at Well #3/Pumphouse #2.

All conditions assume that only 75% of the elevated storage capacity is available.

Table #11

STORAGE CAPACITY ANALYSIS - POPULATION GROWTH + 0.5 mgd DEMAND

WATER SYSTEM EVALUATION & PLAN UPDATE

Village of Little Chute | Outagamie County, Wisconsin

Fire Flow + Maximum Day = Supply + Storage

Maximum Day Demand = 4,059,700 gpd

Fire Flow Demand	3,500 gpm x	3	Hours =	630,000 gallons
Existing Maximum Day Demand (3-hour period)				507,500 gallons

Elevated Storage

Jefferson Street Tank - Tank #2	250,000 gallons
Stephen Street Tank - Tank #3	300,000 gallons

Booster Pump

Supply Available	Capacity (gpm)	Condition A (gpm)	Condition B (gpm)	Condition C (gpm)
Well #1	1,000	1,000	1,000	1,000
Gallons, 3-hour period	180,000	180,000	180,000	180,000
Pumphouse #2 (Supplied by Well #3)	1,000	1,000	1,000	N/A
Gallons, 3-hour period	180,000	180,000	180,000	
Well #4	1,100	1,100	N/A	1,100
Gallons, 3-hour period	198,000	198,000		198,000
Total Supply Available (gallons, 3-hour period)	558,000	558,000	360,000	378,000

Ground Storage Available / 3-Hour Period

Booster Pump

Supply Available From Ground Storage	Capacity (gpm)	Condition A (gpm)	Condition B (gpm)	Condition C (gpm)
Well #1	1,000	1,000	1,000	1,000
Gallons, 3-hour period	180,000	180,000	180,000	180,000
Pumphouse #2 (Supplied by Well #3)	1,000	1,000	1,000	N/A
Gallons, 3-hour period	180,000	180,000	180,000	
Well #4	1,100	1,100	N/A	1,100
Gallons, 3-hour period	198,000	198,000		198,000
Total Supply Available (gallons, 3-hour period)	558,000	558,000	360,000	378,000

Future System Analysis, gallons

Condition A (gpm) **Condition B (gpm)** **Condition C (gpm)**

Fire Flow (3-Hours)	630,000	630,000	630,000
Maximum Day (3-Hours)	507,500	507,500	507,500
Less Available Supply (3-Hours)	-558,000	-360,000	-378,000
Recommended Storage Capacity	579,500	777,500	759,500

Elevated Storage Available (75% Full)	412,500	412,500	412,500
Ground Storage	558,000	360,000	378,000
Total Storage Available	970,500	772,500	790,500

Available storage exceeds the recommended storage capacity for Conditions A and C. Therefore, there is generally sufficient storage capacity in the system to meet the future maximum day demands.

Condition A assumes all systems are operational.

Condition B evaluates the safe, reliable supply with the largest source of supply out of service.

Condition C evaluates the system operating under standby power. There is no standby power at Well #3/Pumphouse #2.

All conditions assume that only 75% of the elevated storage capacity is available.

Currently, there are three water mains that cross I-41. These include a 12-inch crossing at Holland Road, a 10-inch crossing at Kelbe Drive up to Randolph Drive to the north, and a 16-inch crossing from the Stephen Street Tower #1 up to Evergreen Drive to the north. An additional fourth crossing should be considered to provide system redundancy should one of the existing mains be out of service and to support further development on the north side of the service area.

The capacity, reliability and water quality of a distribution system is maximized when the system develops in a grid. Dead-end water mains should be avoided and/or eliminated, when possible. There are a few cul-du-sacs that are served by dead-end mains, but in most cases, these are not exceptionally long dead-end water mains.

There are a few areas in the system with longer dead-end water mains and areas served by only a single main. In most cases, the reliability of these areas will be improved as development occurs adjacent to these areas. The water quality of dead-end mains will need to be monitored to maintain good water quality. The areas of note are listed below:

- West Main Street (HWY 96), west of Washington Street to French Road
- Cherryvale Avenue, north of Gardenia Drive
- Rosehill Road, north of East North Avenue (HWY 96)

The system Operators conducted fire flow tests in the field throughout the distribution system. The data collected from these tests is used by engineers, fire departments and insurance agencies in evaluating the strength of a distribution system. Typical fire flow requirements are listed on Table #12. The available fire flow is dependent on the size and the interior condition of the mains and the system layout. The fire flow data and distribution system modeling indicate that the minimum 500 gpm at 20 psi Wisconsin Department of Natural Resources (DNR) requirement is met throughout the system. The available fire flow exceeds 1,000 gpm throughout the community, with a majority of Village provided with available fire flows above 3,000 gpm.

5. Future Water Tower Site

The Storage Capacity Analysis indicates that additional storage capacity is not required immediately but should be considered to adequately service future development as the Village of Little Chute continues to grow. An elevated water tank should be considered on the north side of I-41. This future water tower would improve system reliability as service is extended north of I-41. Based on previous planning efforts, the Village is already targeting a site of Holland Road, north of Evergreen Drive for a new tower. Table #13 provides a summary of issues to consider when siting a new elevated tower.

Table #12

FIRE FLOW INFORMATION
WATER SYSTEM EVALUATION & PLAN UPDATE
Village of Little Chute | Outagamie County, Wisconsin

Typical Fire Flow Requirements	Range of Needed Fire Flow @ 20 psi Residual Pressure
Land Use	
Single & Two-Family	
Over 100-feet Building Separation	50 gpm
31 to 100-feet Building Separation	750 gpm
11 to 30-feet Building Separation	1,000 gpm
10-feet or Less Building Separation	1,500 gpm
Multiple-family Residential Complexes	2,000 to 3,000+ gpm
Average Density Commercial	1,500 to 2,500+ gpm
High Value Commercial	2,500 to 3,500+ gpm
Light Industrial	2,000 to 3,500+ gpm
Heavy Industrial	2,500 to 3,500+ gpm
Other Commercial, Industrial & Public Buildings	Up to 12,000 gpm

Wisconsin Administrative Code NR 811.70(6):
500 gpm @ 20 psi Residual Pressure
Flow Requirement For Water Mains Serving Fire Hydrants

6. Conclusions

The Little Chute water system is well operated and maintained. In general, the system provides good service for its customers. Planning is needed to continue to provide a high level of service for many years. A summary of the conclusions of the Water System Evaluation are as follows:

- a. Future year 2050 water system demands were developed to evaluate the capacity of the existing supply and storage facilities. Water demands were projected based on population growth with an additional 0.5 mgd added to account for a potential future large water user moving into the Village.
- b. The water system capacity analysis is presented in Table #9. The capacity of the water supply facilities is sufficient to meet current demands. However, the existing water supply wells do not provide an adequate safe, reliable capacity to meet projected future demands with one well out of service. The existing reliable supply capacity is approximately 3.0 mgd with a current Maximum Day Demand of approximately 2.0 mgd. Additional supply capacity, which increases the reliable capacity above 4.0 mgd should be considered to support future growth in the Village.
- c. The results of the storage capacity analysis are presented in Tables #10 and #11. The capacity of the existing storage facilities is sufficient to meet the current and near future needs of the community. However, the storage capacity analysis shows a deficiency in storage capacity at projected future maximum day demands and fire flows. Therefore, the Village should start planning to locate an elevated water tower on the north side of I-41. A potential location for a new tower could be along Holland Road, north of Evergreen Drive. In the meantime, consideration should be given to installing an altitude valve at Tower #2 (Jefferson Street), which would allow for filling and utilization of the full capacity of Tower #1 (Stephen Street) without overflowing Tower #2.
- d. The water distribution system is generally a well-developed grid network and adequate fire flow capacities are provided throughout the system. There are several areas that are served by single, rather long, dead-end mains. As development occurs, additional mains will be developed and the system should be developed with connecting water mains. Consideration should be given to adding a fourth main crossing of I-41 to further support development to the north and provide system redundancy.

Table #13

ELEVATED TOWER SITE CONSIDERATIONS
WATER SYSTEM EVALUATION & PLAN UPDATE
Village of Little Chute | Outagamie County, Wisconsin

Site Conditions

Availability

Size

Ground Elevation

Soil Conditions

Topography

Current & Future Surrounding Land Use

Clearance From Other Utilities

Access

Hydraulic Considerations

Proximity to Water Transmission System

Proximity to Other Storage & Supply Facilities

Proximity to Major Consumers/Fire Protection

Need for System Improvements

Tower Maintenance Considerations

Provide 30-feet on Both Sides of Bowl

(500,000-gal tower bowl diameter = 55-feet)

Costs

e. A list of potential priority system improvements and proposed implementation schedule is provided as follows:

- Add an Altitude Valve at Tower #2 2025/2026
- Obtain Land for Future Tower #3..... 2025/2026
- Full Paint of Tower #2.....2026
- Obtain Land for Future Well..... 2026 to 2030
- Add VFDs for Booster Pumps #5 and #6.....2027
- Construct Water Main Crossing Under I-41 2030 to 2035
- Construct New Well and Pumphouse2031
- Add Generators at Pumphouse #2 and Well #3.....2031
- Construct Tower #32036
- Add Capacity to Ground Storage Reservoir #2.....2036

Implementation date for proposed improvements can be impacted by accelerated growth and the resulting increase in water demands and should be evaluated annually.

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APPENDIX #1

Well Construction Logs

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WISCONSIN UNIQUE WELL NUMBER
Source: SWAP PROJECT KEYED

BG582

State of Wi-Private Water Systems-DG/2
Department Of Natural Resources, Box 7921
Madison, WI 53707

Form 3300-77A
(Rev 02/02)bw

Property Owner LITTLE CHUTE, VILLAGE OF			Telephone Number 414-788-7398	Depth 734 FT		
Mailing Address 108 W MAIN ST			T=Town C=City V=Village V of LITTLE CHUTE			Fire#
City LITTLE CHUTE		State WI	Zip Code 54140	Street Address or Road Name and Number 100 VAN BUREN ST #1		
County of Well Location 45 OUTAGAMIE		Co Well Permit No W	Well Completion Date January 1, 1950	Subdivision Name Lot# Block #		
Well Constructor LAYNE CHRISTENSEN COMPANY		License # 582	Facility ID (Public) 445033820	Gov't Lot or NE 1/4 of SE 1/4 of Section 21 T 21 N;R 18 E Latitude Deg. 44 Min. 16.6222 Longitude Deg. 88 Min. 18.7554		
Address W229 N5005 DUPLAINVI		Public Well Plan Approval#			2. Well Type 3 (See item 12 below) 1=New 2=Replacement 3=Reconstruction of previous unique well # _____ constructed in 1923	
City PEWAUKEE		State WI	Zip Code 53072	Lat/Long Method GPS004		
Hicap Permanent Well # 83482		Common Well # 001	Specific Capacity 56.5 gpm/ft	Reason for replaced or reconstructed Well?		
3. Well Serves # of homes and or M (eg: barn, restaurant, church, school, industry, etc.)			High Capacity: Well?	1 1=Drilled 2=Driven Point 3=Jettied 4=Other		
M=Munic O=OTM N=NonCom P=Private Z=Other X=NonPot A=Anode L=Loop H=Drillhole			Property?			
4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties?						
<p>Well located in floodplain? Distance in feet from well to nearest: (including proposed)</p> <ul style="list-style-type: none"> 1. Landfill 2. Building Overhang 3. 1=Septic 2= Holding Tank 4. Sewage Absorption Unit 5. Nonconforming Pit 6. Buried Home Heating Oil Tank 7. Buried Petroleum Tank 8. 1=Shoreline 2= Swimming Pool 9. Downspout/ Yard Hydrant 10. Privy 11. Foundation Drain to Clearwater 12. Foundation Drain to Sewer 13. Building Drain 1=Cast Iron or Plastic 2=Other 14. Building Sewer 1=Gravity 2=Pressure 1=Cast Iron or Plastic 2=Other 15. Collector Sewer: _____ units _____ in. diam. 16. Clearwater Sump 17. Wastewater Sump 18. Paved Animal Barn Pen 19. Animal Yard or Shelter 20. Silo 21. Barn Gutter 22. Manure Pipe 1=Gravity 2=Pressure 1=Cast iron or Plastic 2=Other 23. Other manure Storage 24. Ditch 25. Other NR 812 Waste Source 						
5. Drillhole Dimensions and Construction Method			Geology			
From Dia.(in.)	To (ft)	Upper Enlarged Drillhole	Lower Open Bedrock	Codes	8. Geology	From (ft.) To (ft.)
-- 1. Rotary - Mud Circulation			Type, Caving/Noncaving, Color, Hardness, etc			
15.0	surface	102	C CLAY 0 5			
-- 2. Rotary - Air			L DOLOMITE GALENA PLATTEVILLE 5 151			
-- 3. Rotary - Air and Foam			NL SANDSTONE LOWER MAGNESIUM 151 189			
12.0	102	734	G_LR DOLOMITE LOWER MAGNESIUM 189 229			
-- 4. Drill-Through Casing Hammer			NNL SANDSTONE LOWER MAGNESIUM 229 237			
-- 5. Reverse Rotary			G_L DOLOMITE LOWER MAGNESIUM 237 329			
-- 6. Cable-tool Bit in. dia			NNL SANDSTONE LOWER MAGNESIUM 329 335			
-- 7. Temp. Outer Casing in. dia. depth ft. Removed ?			LS DOLOMITE 335 345			
Other			NL SANDSTONE TREMPEALEAU 345 382			
			NL SANDSTONE FRANCONIAN 382 490			
			N SANDSTONE DRESBACH 490 730			
			P_Q GRANITE PRECAMBRIAN 730 734			
6. Casing Liner Screen			9. Static Water Level			
Material, Weight, Specification Manufacturer & Method of Assembly			From (ft.)	To (ft.)	38.0 feet B ground surface A=Above B=Below	11. Well Is: 0 in. Grade
Dia. (in.)			surface	102	A=Above B=Below	
12.0					Developed?	
Dia.(in.) Screen type, material & slot size			From	To	Disinfected?	
					Capped?	
10. Pump Test						
Pumping level 44.0 ft. below surface						
Pumping at 339.0 GP M 8.0 Hrs						
12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? If no, explain						
13. Initials of Well Constructor or Supervisory Driller Date Signed						
Initials of Drill Rig Operator (Mandatory unless same as above) Date Signed						

Additional Comments? Y Variance Issued?
Owner Sent Label? Y More Geology?

Batch 548

WISCONSIN UNIQUE WELL NUMBER
SOURCE: SWAP PROJECT KEYED

BG584

State of Wi-Private Water Systems-DG/2
Department Of Natural Resources, Box 7921
Madison, WI 53707

Form 3300-77A
(Rev 12/00)

Property LITTLE CHUTE, VILLAGE OF		Telephone Number	414 - 788 - 7398
Owner			
Mailing Address	108 W MAIN ST		
City	LITTLE CHUTE	State	WI
County of Well Location	NE 45	Co Well Permit No W	Well Completion Date February 1, 1974

Depth 805 FT

1. Well Location		
V	T=Town C=City V=Village of LITTLE CHUTE	
Street Address or Road Name and Number 920 WASHINGTON ST #3		
Subdivision Name	Lot#	Block #

Well Constructor LAYNE CHRISTENSEN	License # 582	Facility ID (Public) 445033820
Address W229 N5005 DUPLAINV1	Public Well Plan Approval# 730121	
City PEWAUKEE	State WI	Zip Code 53072
Hicap Permanent Well # 83484	Common Well # 003	Date Of Approval 02/26/1973
		4.2 gpm/ft

Gov't Lot Section 21	or T 21 N	1/4 of R 18 E	NW 1/4 of
Latitude Longitude	Deg. 44 Deg 88	Min. 17.0071 Min. 19.6573	
2. Well Type		1 2=Replacement 3=Reconstruction of previous unique well # _____	1=New (See item 12 below) constructed in 0
Reason for replaced or reconstructed Well?			

3. Well Serves # of homes and or
(eg: barn, restaurant, church, school, industry, etc.)
M Munic O=OTM N=NonCom P=Private Z=Other
X=NonPot A=Anode L=Loop H=Drillhole

High Capacity:
Well?
Property?

1 1=Drilled 2=Driven Point 3=Jetted 4=Other

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties?
Well located in floodplain?

Distance in feet from well to nearest: (including proposed)

1. Landfill
2. Building Overhang
3. 1=Septic 2= Holding Tank
4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
7. Buried Petroleum Tank
8. 1=Shoreline 2= Swimming Pool

9. Downspout/ Yard Hydrant
10. Privy
11. Foundation Drain to Clearwater
12. Foundation Drain to Sewer
13. Building Drain
1=Cast Iron or Plastic 2=Other
14. Building Sewer 1=Gravity 2=Pressure
1=Cast Iron or Plastic 2=Other
15. Collector Sewer: _____ units _____ in . diam.
16. Clearwater Sump
17. Wastewater Sump
18. Paved Animal Barn Pen
19. Animal Yard or Shelter
20. Silo
21. Barn Gutter
22. Manure Pipe 1=Gravity 2=Pressure
1=Cast iron or Plastic 2=Other
23. Other manure Storage
24. Ditch
25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

Dia.(in.)	From (ft.)	To (ft.)	Upper Enlarged Drillhole	Lower Open Bedrock
			-- 1. Rotary - Mud Circulation	-- 2. Rotary - Air
18.0	surface	48	-- 3. Rotary - Air and Foam	-- 4. Drill-Through Casing Hammer
17.0	47	795	-- 5. Reverse Rotary	-- 6. Cable-tool Bit in. dia
12.0	795	805	-- 7. Temp. Outer Casing in. dia. depth ft. Removed ?	Other

Geology Codes	8. Geology Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
R_C_	CLAY	0	45
LL_	DOLOMITE SINNIPEE	45	175
NL_	DOLOMITE @ SANDSTONE STP	175	185
E_HS	SHALE STP	185	195
L_	DOLOMITE PDC	195	250
G_N_	SANDSTONE PDC	250	270
LR	DOLOMITE PDC	270	365
P_L_	DOLOMITE COON VALLEY	365	375
R_NL	SANDSTONE COON VALLEY	375	380
O_N_	SANDSTONE VAN OSER	380	395
P_N_	SANDSTONE NORWALK	395	405
N_	SANDSTONE TUN CITY	405	525

6. Casing Liner Screen Material, Weight, Specification
Manufacturer & Method of Assembly

Dia. (in.)	From (ft.)	To (ft.)
18.0	A53B WELDED 0375 WALL	surface 48
12.0	A53B 0375 WALL WELDED	2 320

9. Static Water Level 129.0 feet B ground surface ..=Above B=Below	11. Well Is: Grade 0 in. A=Above B=Below Developed?
Pumping level 319.0ft. below surface Pumping at 790.0GPM 9.00Irs	Disinfected? Capped?

7. Grout or Other Sealing Material

Method	From (ft.)	To (ft.)	# Sacks
Kind of Sealing Material			Cement

12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property? If no, explain	13. Initials of Well Constructor or Supervisory Driller	Date Signed
	Initials of Drill Rig Operator (Mandatory unless same as above)	Date Signed

BG584

WISCONSIN UNIQUE WELL NUMBER
SOURCE: WELL CONSTRUCTION

NG591

State of Wi-Private Water Systems-DG/2
Department Of Natural Resources, Box 7921
Madison, WI 53707

Form 3300-77A
(Rev 12/00)

Property LITTLE CHUTE, VILLAGE OF Telephone 920 - 788 - 7380
Owner Number

Mailing Address 108 W MAIN ST

City LITTLE CHUTE State WI Zip Code 54140

County of Well Location NE Co Well Permit No
45 W Well Completion Date
OUTAGAMIE January 18, 1999

Well Constructor SAMS ROTARY License # 370 Facility ID (Public)
445033820

Address PO BOX 150 Public Well Plan Approval#
98-1023

City RANDOLPH State Zip Code
WI 53956 Date Of Approval
08/04/1998

Hicap Well # Common Well #
004 25.6 gpm/ft

Depth 750 FT

1. Well Location

T T=Town C=City V=Village
of LITTLE CHUTE

Fire#

Street Address or Road Name and Number
EVER GREEN DR

Subdivision Name Lot# Block #

Gov't Lot or NW 1/4 of NW 1/4 of
Section 15 T 21 N R 18 E

Latitude Deg. 44 Min. 18.0329
Longitude Deg 88 Min. 18.4465

2. Well Type 1 1=New
2=Replacement (See item 12 below)
3=Reconstruction of previous unique well # _____ constructed in _____
Reason for replaced or reconstructed Well? NQ265

HICAP # 2877. FILE # 45-9-5.

3. Well Serves # of homes and or MUNICIPALITY WELL #4
(eg: barn, restaurant, church, school, industry, etc.)

M M=Munic O=OTM N=NonCom P=Private Z=Other
X=NonPot A=Anode L=Loop H=Drillhole

High Capacity:
Well? Y
Property? Y

1 1=Drilled 2=Driven Point 3=Jettied 4=Other

4. Is the well located upslope or sideslope and not downslope from any contamination sources, including those on neighboring properties? Y

Well located in floodplain? N

Distance in feet from well to nearest: (including proposed)

1. Landfill
2. Building Overhang
3. 1=Septic 2= Holding Tank
4. Sewage Absorption Unit
5. Nonconforming Pit
6. Buried Home Heating Oil Tank
7. Buried Petroleum Tank
8. 1=Shoreline 2= Swimming Pool

9. Downspout/ Yard Hydrant

10. Privy

11. Foundation Drain to Clearwater

12. Foundation Drain to Sewer

13. Building Drain

1=Cast Iron or Plastic 2=Other

14. Building Sewer 1=Gravity 2=Pressure

1=Cast Iron or Plastic 2=Other

15. Collector Sewer: _____ units _____ in. diam.

16. Clearwater Sump

17. Wastewater Sump

18. Paved Animal Barn Pen

19. Animal Yard or Shelter

20. Silo

21. Barn Gutter

22. Manure Pipe 1=Gravity 2=Pressure

1=Cast iron or Plastic 2=Other

23. Other manure Storage

24. Ditch

25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method

From Dia.(in.)	To (ft.)	Upper Enlarged Drillhole - 1. Rotary - Mud Circulation	Lower Open Bedrock
19.0	surface 449	X - 2. Rotary - Air	
		- 3. Rotary - Air and Foam	
		- 4. Drill-Through Casing Hammer	
		- 5. Reverse Rotary	
		- 6. Cable-tool Bit _____ in. dia	
		- 7. Temp. Outer Casing _____ in. dia. _____ depth ft. Removed?	
		Other	

Geology Codes	8. Geology Type, Caving/Noncaving, Color, Hardness, etc	From (ft.)	To (ft.)
C	CLAY	0	6
Z	CLAY W/GRAVEL	6	45
BL	BROKEN LIMEROCK	45	50
L	LIMEROCK	50	380
LH	SHALEY LIMEROCK	380	395
L	LIMEROCK	395	405
LH	SHALEY LIMEROCK	405	435
L	LIMEROCK	435	490
N	SANDROCK	490	530
N	SANDROCK	490	530
NH	SHALEY SANDROCK	530	540
N	SANDROCK	540	640

6. Casing Liner Screen Material, Weight, Specification

Dia. (in.) Material, Weight, Specification
Manufacturer & Method of Assembly

From (ft.)	To (ft.)
surface 449	449
0	47

9. Static Water Level
155.0 feet B ground surface
A=Above B=Below

11. Well Is: A Grade
24 in. A=Above B=Below
Developed? Y

10. Pump Test
Pumping level 205.8ft. below surface
Pumping at 1300GPM 12.0Hrs

Disinfected? Y
Capped? Y

7. Grout or Other Sealing Material

12. Did you notify the owner of the need to permanently abandon and fill all

Method	BRADENHEAD/TREMIE Kind of Sealing Material	from (ft.)	To (ft.)	Sacks Cement	unused wells on this property? If no, explain	
CEMENT (TREMIE)		surface	50.0	75 S	13. Initials of Well Constructor or Supervisory Driller SVJ	Date Signed 8/13/99
(BRAEDONHEAD)		50.0	449.0	325 S	Initials of Drill Rig Operator (Mandatory unless same as above) RH	Date Signed 8/13/99

Additional Comments? Variance Issued?
Owner Sent Label? More Geology?

Batch 714

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NG591

APPENDIX #2

Top Ten Water Users (2020 through 2024)

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Top 10 Water Users - 2024

Ranking	Account Number	Name	Usage	Volume Charges	Fixed Charges	Total	% of Total
1	MULTIPLE	AGROPUR INC	114,632,777	\$ 351,113.05	\$ 7,689.21	\$ 358,802.26	13.81%
2	423068501	CRYSTAL PRINT WATER	68,908,078	\$ 210,590.63	\$ 3,558.96	\$ 214,149.59	8.24%
3	MULTIPLE	NESTLE PIZZA DIVISION	46,894,866	\$ 151,590.53	\$ 16,009.02	\$ 167,599.55	6.45%
4	MULTIPLE	LEXINGTON HOMES INC	15,255,771	\$ 56,467.39	\$ 15,551.47	\$ 72,018.86	2.77%
5	MULTIPLE	OH SNAP! PICKLING LLC	9,809,446	\$ 31,702.43	\$ 3,228.00	\$ 34,930.43	1.34%
6	MULTIPLE	OUTAGAMIE COUNTY	5,181,890	\$ 18,796.43	\$ 9,746.64	\$ 28,543.07	1.10%
7	428369000	BEL BRANDS USA	5,601,821	\$ 18,764.56	\$ 3,504.96	\$ 22,269.52	0.86%
8	MULTIPLE	VILLAGE OF LITTLE CHUTE	3,212,821	\$ 11,635.29	\$ 6,767.14	\$ 18,402.43	0.71%
9	MULTIPLE	REDJ LLC	3,106,463	\$ 10,329.57	\$ 3,832.32	\$ 14,161.89	0.54%
10	224062001	HICKORY LANE MHC WI	3,383,738	\$ 11,859.57	\$ 2,274.96	\$ 14,134.53	0.54%

275,987,671 \$ 872,849.45 \$ 72,162.68 \$ 945,012.13 36.37%

Total Water Revenue

\$ 2,598,630.00

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Top 10 Water Users - 2023

Ranking	Account Number	Name	Usage	Volume Charges	Fixed Charges	Total	% of Total
1	MULTIPLE	AGROPUR INC	109,253,005	\$ 335,732.93	\$ 7,365.18	\$ 343,098.11	13.50%
2	MULTIPLE	NESTLE PIZZA DIVISION	53,924,476	\$ 172,933.87	\$ 16,049.35	\$ 188,983.22	7.44%
3	423068501	CRYSTAL PRINT	35,605,202	\$ 109,682.90	\$ 3,558.96	\$ 113,241.86	4.46%
4	MULTIPLE	LEXINGTON HOMES INC	14,823,384	\$ 54,984.06	\$ 15,468.93	\$ 70,452.99	2.77%
5	MULTIPLE	OUTAGAMIE COUNTY	6,493,001	\$ 23,126.39	\$ 8,985.95	\$ 32,112.34	1.26%
6	428369000	BEL BRANDS USA	7,492,571	\$ 24,501.65	\$ 3,504.96	\$ 28,006.61	1.10%
7	MULTIPLE	HICKORY/DUTCH HARBOR MHC LLC	5,913,055	\$ 20,870.40	\$ 3,961.92	\$ 24,832.32	0.98%
8	MULTIPLE	LITTLE CHUTE VILLAGE	4,802,620	\$ 16,854.69	\$ 5,619.14	\$ 22,473.83	0.88%
9	328207300	ABSOLUTE SUPPLY LLC	6,418,450	\$ 22,065.16	\$ 95.64	\$ 22,160.80	0.87%
10	MULTIPLE	OH SNAP! PICKLING	5,889,107	\$ 19,046.11	\$ 1,822.20	\$ 20,868.31	0.82%
			250,614,871	\$ 799,798.16	\$ 66,432.23	\$ 866,230.39	34.09%

Total Water Revenue

\$ 2,541,075.00

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2022 Top 10 Water Users

Ranking	Acct #	Name	Address	Usage	Volume Charges	Fixed Charges	Total	% of Total
1	Multiple	NESTLE	Multiple	58,143,021	\$186,944.81	\$16,008.70	\$202,953.51	8.78%
2	Multiple	AGROPUR INC	Multiple	52,513,420	\$161,021.82	\$2,579.40	\$163,601.22	7.07%
3	4-230685-01	CRYSTAL PRINT	COOLIDGE AVE	25,465,034	\$78,958.20	\$3,558.96	\$82,517.16	3.57%
4	Multiple	LEXINGTON HOMES INC	Multiple	14,974,860	\$55,805.99	\$14,155.44	\$69,961.43	3.03%
5	3-282073-00	ABSOLUTE WELDING LLC	1560 BOHM DR	10,034,050	\$33,448.65	\$95.64	\$33,544.29	1.45%
6	Multiple	OUTAGAMIE COUNTY	Multiple	4,133,343	\$15,256.48	\$11,090.13	\$26,346.61	1.14%
7	4-283690-00	BEL BRANDS USA	1500 E NORTH AVE	6,635,000	\$21,903.21	\$3,504.96	\$25,408.17	1.10%
8	Multiple	OH SNAP!	Multiple	5,956,950	\$19,448.31	\$1,447.53	\$20,895.84	0.90%
9	2-240620-01	HICKORY LANE MHC WI	1515 VANDENBROEK RD	5,186,380	\$17,437.24	\$2,176.96	\$19,614.20	0.85%
10	Multiple	KWIK TRIP	Multiple	3,525,540	\$13,280.15	\$296.47	\$13,576.62	0.59%
				186,567,598	\$603,504.86	\$54,914.19	\$658,419.05	28.47%

Total Water Revenue

\$2,312,471.00

DRAFT

2021

	Acct #	Name	Usage	Volume Charges	Fixed Charges	Total	% of Total
1	4-254577-01	NESTLE	62,410,430	189,253.53	15,164.88	204,418.41	9.07%
2	4-730281-00	AGROPUR INC	53,222,010	161,412.62	2,274.96	163,687.58	7.26%
3	4-230685-01	CRYSTAL PRINT	21,091,000	64,055.66	3,558.96	67,614.62	3.00%
4	2-703433-00	LEXINGTON HOMES INC	10,635,330	32,374.98	8,574.24	40,949.22	1.82%
5	4-283690-00	BEL BRANDS USA	6,290,000	19,208.63	3,504.96	22,713.59	1.01%
6	5-290003-00	OUTAGAMIE COUNTY	3,616,000	11,106.41	8,435.28	19,541.69	0.87%
7	3-282073-00	ABSOLUTE WELDING LLC	5,794,360	17,706.84	95.64	17,802.48	0.79%
8	4-730289-00	GLK FOODS LLC	3,366,600	10,350.73	1,349.76	11,700.49	0.52%
9	3-723115-03	APPLETON HOSPITALITY LLC	3,213,700	9,887.44	1,199.04	11,086.48	0.49%
10	3-883514-00	KWIK TRIP	3,294,340	10,131.78	304.44	10,436.22	0.46%

Total Water Revenue

2,254,740.00

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2020 Top Users

	<u>Volume</u>	<u>Volume Charges</u>	<u>Fixed Charges</u>	<u>Total</u>	<u>% of Total</u>
NESTLE DSD	67,018,570	203,216.20	15,164.88	218,381.08	9.83%
AGROPUR INC	48,916,700	148,367.53	2,274.96	150,642.49	6.78%
CRYSTAL PRINT WATER	22,194,000	67,397.75	3,558.96	70,956.71	3.19%
LEXINGTON HOMES INC	6,141,890	18,759.86	5,663.28	24,423.14	1.10%
BEL BRANDS USA	6,144,000	18,766.25	3,504.96	22,271.21	1.00%
OUTAGAMIE CO HWY DEPT	3,348,000	10,294.37	3,969.36	14,263.73	0.64%
HPII PROPERTIES LLC	2,865,000	8,830.88	4,659.84	13,490.72	0.61%
KWIK TRIP	3,124,480	9,617.10	208.80	9,825.90	0.44%
LITTON PORTFOLIO LLC	2,540,000	7,846.13	1,686.96	9,533.09	0.43%
HICKORY LANE MHC WI	2,370,000	7,331.03	1,686.96	9,017.99	0.41%

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Item For Consideration

For Commission Review On: September 16, 2025
Agenda Item Topic: Sewer Rates 2026

Prepared On: September 11, 2025
Prepared By: Finance

Report:

The Utilities Commission and Village Board approved the Sewer Rate study in September 2024 that included recommendation for future rate increases:

E. FUTURE RATE INCREASES As described above, it is recommended that the utility begin to implement additional annual rate increases of 4.0 percent per year from 2026 through 2031, and 3.0% percent per year annually after 2031 to maintain adequate cash flow and reserves. It is further recommended that the Village set rates for Industrial Q/Q customers that include additional expenses incurred by the Village. As HOV increases its rates for pollutant loadings, the Village should adjust its rates to include the rates charged by HOV plus a surcharge or markup for Village conveyance and general and administrative expenses. Based on this cost-of-service analysis in this study, the percentage markup for local costs are as follows: BOD (7.1%), TSS (21.7%), Phosphorus (7.1%), NH-3 (7.1%), Chlorides (7.7%). These rate increase recommendations should be reviewed on an annual basis and adjusted as needed for changing conditions.

Fiscal Impact:

HOVMSD is in process of completing a full rate study that will change their recovery from fixed 6.9% increasing to 13.2%) and variable portions (decrease to 86.8% from previous 93.1%) of revenue. 2026 rates will not be set until after our 2026 Budget is adopted.

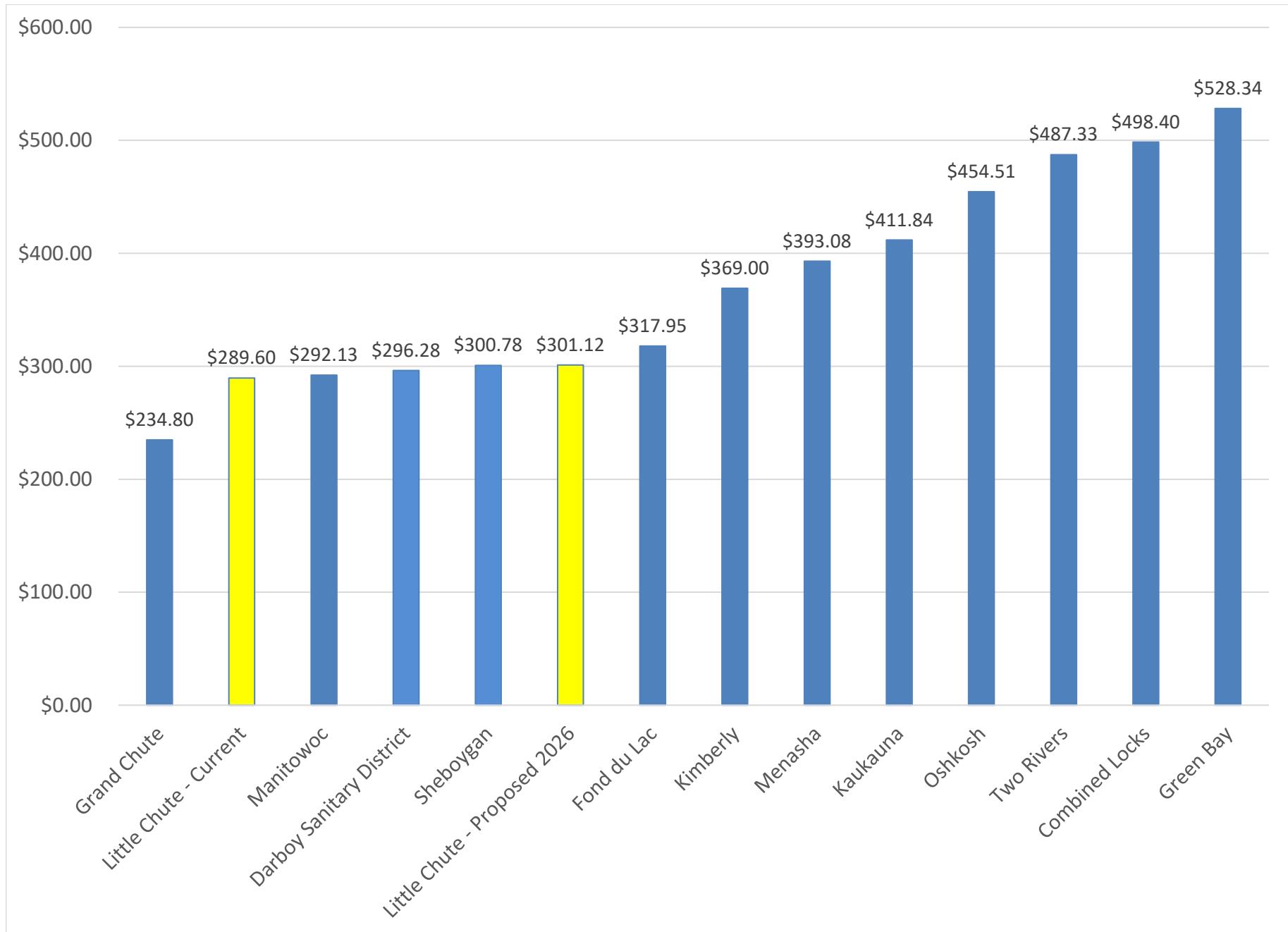
Recommendation/Commission Action: Staff recommends after check in with Trilogy Consultants, to stay the course with our 4% across the board increase for 2026 Sewer Rates per the attached structure.

Respectfully Submitted,

Lisa Remiker-DeWall

Comparison of Average Residential Bills with Regional Communities - Sewer Rates

Community	Fixed Charge	Bills per Year	Volume Rate	Annual Usage	Units	Annual Bill
Neenah	\$21.83	4	\$3.19	32,000	gallons	\$189.40
Grand Chute	\$38.46	4	\$2.53	32,000	gallons	\$234.80
Little Chute - Current	\$4.00	12	\$7.55	32,000	gallons	\$289.60
Manitowoc	\$12.89	12	\$3.20	4,295	ft ³	\$292.13
<i>Darboy Sanitary District</i>	\$24.23	4	\$6.23	32,000	gallons	\$296.28
Sheboygan	\$52.00	4	\$2.16	4,295	ft ³	\$300.78
Little Chute - Proposed 2026	\$4.16	12	\$7.85	32,000	gallons	\$301.12
Fond du Lac	\$37.50	4	\$3.91	4,295	ft ³	\$317.95
<i>Kimberly</i>	\$28.25	4	\$8.00	32,000	gallons	\$369.00
Menasha	\$14.89	12	\$6.70	32,000	gallons	\$393.08
Kaukauna	\$3.00	12	\$8.75	4,295	ft ³	\$411.84
Oshkosh	\$12.39	12	\$7.12	4,295	ft ³	\$454.51
Two Rivers	\$19.85	12	\$5.80	4,295	ft ³	\$487.33
<i>Combined Locks</i>	\$51.00	4	\$9.20	32,000	gallons	\$498.40
Green Bay	\$21.80	12	\$6.21	4,295	ft ³	\$528.34
Average at Current Rates						\$361.67
Median at Current Rates						\$343.47



2026 Sewer Rate Analysis

Monthly Meter Charge	VLC		HOVMSD 2025 Rates	VLC Proposed		
	2024 Rate	2025 Rate		2026 Rate	Increase	Increase
5/8	\$ 3.00	\$ 4.00		\$ 4.16	\$ 0.16	4%
3/4	\$ 3.00	\$ 4.00		\$ 4.16	\$ 0.16	4%
1	\$ 3.00	\$ 6.50		\$ 6.76	\$ 0.26	4%
1 1/4	\$ 3.00	\$ 8.60		\$ 8.94	\$ 0.34	4%
1 1/2	\$ 3.00	\$ 10.80		\$ 11.23	\$ 0.43	4%
2	\$ 3.00	\$ 15.97		\$ 16.61	\$ 0.64	4%
2 1/2	\$ -	\$ 22.57		\$ 23.47	\$ 0.90	4%
3	\$ 3.00	\$ 27.57		\$ 28.67	\$ 1.10	4%
4	\$ 3.00	\$ 43.97		\$ 45.73	\$ 1.76	4%
6	\$ 3.00	\$ 84.40		\$ 87.78	\$ 3.38	4%
8	\$ 3.00	\$ 132.80		\$ 138.11	\$ 5.31	4%
10	\$ -	\$ 197.23		\$ 205.12	\$ 7.89	4%
12	\$ -	\$ 261.63		\$ 272.10	\$ 10.47	4%
Volume Charge	\$ 7.50	\$ 7.55	\$ 7.65	\$ 7.85	\$ 0.30	3.97%
BOD	\$ 0.176	\$ 0.198	\$ 0.184	\$ 0.206	\$ 0.01	4.04%
TSS	\$ 0.243	\$ 0.310	\$ 0.226	\$ 0.322	\$ 0.01	3.87%
Phosphorous	\$ 6.617	\$ 7.442	\$ 6.394	\$ 7.740	\$ 0.30	4.00%
NH-3	\$ 1.102	\$ 1.239	\$ 1.401	\$ 1.289	\$ 0.05	4.04%
Chlorides	\$ -	\$ 0.003	\$ 0.002	\$ 0.003	\$ -	0.00%

Demand portion of rates from HOVMSD likely to be flat as their debt service will be lower next year which will offset the increase in the portion of fixed revenue recovery (13.2% vs 6.9% in past).

Due to level of loadings, the variable HOVMSD rates may actually decline as they intend to recover 86.8% of rates from this factor vs 93.1% in past.

HOVMSD will not set their 2026 rates until after our 2026 Budget is adopted.

Discussed with Trilogy Consultants and recommend we stay with our plan of a 4% increase across the board and complete a small scale update perhaps in 2027 to true up based on actual from the various projections made in past study.

2026 Sewer Rate Analysis

Customer Class	Customer	Size	Meter	Billed					Dollar Change	Percentage Change		
				Volume (1,000 gallons)	Bill at 2025		Bill at 2026					
					Rates		Rates					
Residential	Small	5/8	4	1.7	\$ 16.84		\$ 17.51	\$ 0.67		4.0%		
Residential	Average	5/8	4	2.7	\$ 24.39		\$ 25.36	\$ 0.97		4.0%		
Residential	Large	5/8	4	5	\$ 41.75		\$ 43.41	\$ 1.66		4.0%		
Residential	Very Large	1	6.5	16.7	\$ 132.59		\$ 137.86	\$ 5.27		4.0%		
Multi-Family	Small	5/8	4	13.3	\$ 104.42		\$ 108.57	\$ 4.15		4.0%		
Multi-Family	Average	1 1/2	10.8	51.7	\$ 401.14		\$ 417.08	\$ 15.94		4.0%		
Multi-Family	Large	3	27.57	155	\$ 1,197.82		\$ 1,245.42	\$ 47.60		4.0%		
Multi-Family	Very Large	4	43.97	258.3	\$ 1,994.14		\$ 2,073.39	\$ 79.25		4.0%		
Commercial	Small	5/8	4	2	\$ 19.10		\$ 19.86	\$ 0.76		4.0%		
Commercial	Average	3/4	4	8	\$ 64.40		\$ 66.96	\$ 2.56		4.0%		
Commercial	Large	1 1/2	10.8	26.7	\$ 212.39		\$ 220.83	\$ 8.44		4.0%		
Commercial	Very Large	3	27.57	80	\$ 631.57		\$ 656.67	\$ 25.10		4.0%		
Industrial	Small	1	6.5	16.7	\$ 132.59		\$ 137.86	\$ 5.27		4.0%		
Industrial	Average	1	6.5	46	\$ 353.80		\$ 367.86	\$ 14.06		4.0%		
Industrial	Large	2	15.97	50	\$ 393.47		\$ 409.11	\$ 15.64		4.0%		
Industrial	Very Large	3	27.57	66.7	\$ 531.16		\$ 552.27	\$ 21.11		4.0%		
Public Authority	Small	5/8	4	6.7	\$ 54.59		\$ 56.76	\$ 2.17		4.0%		
Public Authority	Average	1	6.5	19	\$ 149.95		\$ 155.91	\$ 5.96		4.0%		
Public Authority	Large	2	15.97	50	\$ 393.47		\$ 409.11	\$ 15.64		4.0%		
Public Authority	Very Large	3	27.57	100	\$ 782.57		\$ 813.67	\$ 31.10		4.0%		

2025 The Village of Little Chute is Bid Results for an ABB VFD Drive
200 HP, FLA 240, 460V ABB ACH850-ACQ580VFD

BIDS RECEIVED
August 28, 2025

Pieper Automation

- \$19,012.00

Water Well Solutions

- \$19,806.00

PJ Kortons

- \$21,163.75

Municipal Well and Pump

- \$22,110.00



Item For Consideration

For Commission Review On: 09/16/2025

Prepared On: 09/09/2025

Prepared By: Jerry Verstegen

Agenda Item Topic: Review and Approve 2026 Salt Bids

Report: Please see attached 2026 Group Salt Bid Tabs.

Once again, (4) utilities sent out a group RFP for salt bids for 2026.

(2) bids were received, Midwest Salt bid of \$152.28 per ton was the lowest.

Fiscal Impact: Midwest Salt bid of \$152.28 per ton is \$8.72 per ton lower than 2025 cost, a 5.41% decrease in cost from 2025.

Recommendation/Board Action: Water Department recommends approving the 2026 bid to Midwest Salt for \$161.00 per ton.

Respectfully Submitted,

Jerry Verstegen

2026 GROUP SALT BIDS

KIMBERLY WATER UTILITY
LITTLE CHUTE WATER UTILITY
DARBOY JOINT SANITARY DISTRICT #1
CITY OF BRILLION

JOINT SALT BIDS RECEIVED
August 19, 2025

Midwest Salt

- \$152.28 per ton

Compass Minerals

- \$159.00 per ton

Morton Salt

- No bid received

Cargill

- No bid received



MIDWEST CONTRACT OPERATIONS, INC.
P.O. BOX 418 MENASHA, WI 54952-0418

Monthly Superintendent Report/Update

To: Village of Little Chute Water Commission
From: Jerry Verstegen, Water Utility Supt. (MCO)
Month of: 08-2025

Updates for current, past and ongoing Water Department projects and areas of concern:

1. Plants/Treatment
 - Acid ordered to clean and rehab Well # 4 resin
2. Distribution
 - 8/5 - Dug Up Valve on Nixon St to check bolts
 - 8/5 – Replaced Hydrant @ 902 Miller Lane
 - 8/12 – Replaced Bolts on leaking valve @ 1800 Grant
 - 8/25 – Water Break @ 1107 Jefferson St
3. Meters
 - Residential Meter Changes and Cross Connections
4. General Water
 - Leak Correlation
 - Fall Hydrant flush starting September 15th

Sam Schepp
Jerry Verstegen



**Engineering Department &
Department of Public Works**
Monthly Utility Commission
Report for August 2025

OPERATIONS NOTES:

Sanitary Sewer

- Employees maintained and read laser meters in the sanitary collection system.
- Monitored sanitary sewer system for inflow and infiltration (I&I), televised sanitary mains, and sanitary manholes were inspected.
- Flushed dead ends and flat laying areas.
- Crew demoed new sewer vacuum equipment and jetter heads.

Storm Sewer

- Development site plans were reviewed.
- Street sweeper was sent out weekly.
- Crew demoed new street sweeper equipment.

Storm Ponds

- Checked outfalls and cleaned trash racks.
- Checked pond pumps.

ENGINEERING NOTES: 2025 Utility Projects – August

The table below identifies the installed and/or removed public utilities in the month of August.

August 2025 - Utility Installation and Abandonments			
Golden Gate Drive - Phase 2 & Holland Road Utility Extension			
SANITARY SEWER		Installed	Abandoned/Removed
8" PVC Sanitary Pipe	LF	61.5	None
15" PVC Sanitary Pipe	LF	2,233.0	None
4' Sanitary Standard Precast MH	VF (EA)	91.4 (6.0)	None
New 4" PVC Sanitary Laterals	EA	7.0	None
New 6" PVC Sanitary Laterals	EA	3.0	None

STORM SEWER		Installed	Abandoned/Removed
12" PVC Storm Sewer Pipe	LF	188.0	None
12" RCP Storm Sewer Pipe	LF	56.0	None
15" RCP Storm Sewer Pipe	LF	484.0	None
18" RCP Storm Sewer Pipe	LF	375.0	None
27" RCP Storm Sewer Pipe	LF	360.0	None
36" RCP Storm Sewer Pipe	LF	573.0	None
New 4" PVC Storm Laterals	EA	19.0	None
New Storm Sewer Catch Basin	EA	11.0	None
New Storm Sewer Yard Drain	EA	1.0	None
New 4' Dia. Precast Storm MH	VF (EA)	29.83 (5.0)	None
New 5' Dia. Precast Storm MH	VF (EA)	12.12 (2.0)	None
New 5' Dia. Precast Storm Inlet MH	VF (EA)	6.38 (1.0)	None
New 6' Dia. Precast Storm MH	VF (EA)	17.3 (2.0)	None

WATER MAIN		Installed	Abandoned/Removed
6" PVC Water Main Pipe	LF	64.5	None
8" PVC Water Main Pipe	LF	42.0	None
12" PVC Water Main Pipe	LF	1,178.5	None
New Fire Hydrant	EA	2.0	None
6" Water Valve	EA	2.0	None
8" Water Valve	EA	1.0	None
12" Water Valve	EA	2.0	None

Golden Gate Drive – Lexington Homes - Holland Road Utility Extension - Phase 2

Don Hietpas & Sons began work on the next phase of utility construction which includes installation of storm, sanitary, and water utilities under Holland Road and Golden Gate Drive. Hietpas began construction of the new sanitary sewer on Holland Road, crews began installing sanitary sewer near the intersection of W. Evergreen Drive on Holland Road, installation of the new sanitary sewer continued, working to the north toward the new Golden Gate Drive. A second Hietpas crew began working on the installation of the new water main and storm sewer on Golden Gate Drive.

Top Priorities for September 2025

Golden Gate Drive – Lexington Homes - Holland Road Utility Extension - Phase 2

Don Hietpas & Sons crew continues working on extending utilities to the current Lexington Homes Development which will extend Golden Gate Drive east to Holland Road. Hietpas began installing water main on Golden Gate Drive; construction began near the intersection of Evergreen Drive and continues progressing north toward the new Golden Gate Drive extended. Village staff are on-site documenting and inspecting utility installations to ensure work is completed to Village standards as designed by Robert E. Lee & Associates. Staff are working with MCC to inspect the subgrade prior to stone placement. Vinton Construction is scheduled to place concrete pavement on Golden Gate Drive up to Holland Road in the middle of September, weather permitting.

2025 Sanitary Sewer Lining – E. North Ave. (CTH OO)

The project includes approximately 820 lineal feet of cured in place CIPP lining and the related sanitary sewer wye replacement, and sanitary sewer manhole repair. Visu-Sewer LLC was the low bidder; staff have completed the contract documents including the review of all bonding and insurance, contracts have been reviewed and approved by the Village Attorney. This work is scheduled to be completed in October 2025.

2025 Holland Road Watermain Relocation

The Project includes relocation of the existing water main and casing pipe to provide clearance for the new storm sewer box culvert to be constructed as part of the upcoming WisDOT – Holland Road Overpass construction. The Village contract included the removal of 47 lineal feet of existing water main and casing pipe; construction of approximately 125 feet of new 12" PVC watermain, and related valves and fittings. Work to relocate the Village water main was planned to be completed in conjunction with Vinton's DOT project and construction schedule. After investigation of the existing water main location and the location of the new box culvert, it was determined that the water main was not in conflict, and the decision was made to leave the water main in place and not relocate. Staff is working with Vinton Construction to gather costs incurred prior to deciding to leave the water main and associated casing in place.

2025 Asphalt Resurfacing Project – Holland Road

The project extends approximately 890 linear feet on Holland Road beginning at the intersection of W. Elm Street and continuing north beyond the interstate 41 overpass bridge. The interstate 41 bridge will be under construction concurrently as a separate WisDOT project. Vinton Construction was the low bidder for the Villages asphalt resurfacing project and will coordinate the completion of that paving along with the paving for the DOT overpass project. Paving is expected to be completed during the fall of 2025.

Founders Estates Subdivision

Multiple residential duplex sites have broken ground and are completed, excavation for foundations and building construction remains steady. Inspections related to the permitting of concrete driveways, aprons, and public sidewalks continue. Staff are working with each contractor or property owner to verify concrete sidewalk, and aprons are installed per Village specifications and the approved subdivision plans.

Miscellaneous:

Engineering Staff continue working on updating GIS records to include historical record documentation as well as information gathered in the field during project utility and paving inspection.

Engineering continues reviewing, issuing, and inspecting all right-of-way permits for the Village.

Staff are currently working to review proposed plans and permit applications for the proposed construction of a new (large scale) fiber optic communication system which will be owned and operated by Bug Tussel.

Continued efforts to investigate and repair utilities that have been impacted or damaged during the TDS and/or AT&T construction process. Staff are working with DPW crews to locate, document and repair damaged utilities.

Efforts continue to assist other departments with daily tasks as well as any special projects or requests. Staff continue to focus on assisting the Parks Department with upcoming construction projects, including the Heesakker Park stair replacement and future parking lots and structures currently in the planning stages. Staff are utilized throughout the design, construction inspection, and contract administration of these projects.

Engineering staff continues to coordinate with WisDOT and private utilities with work related to the HWY "41" Corridor construction projects.

The Engineering Division is also working with Community Development and Developers to review planned commercial development sites as well as future design and planning efforts for current and future residential subdivision developments. Staff are also working on a bid package for the demolition of three Village properties on Depot Street to be bid and demolished later this fall.

Staff have begun working on collecting information for the 2027 CIP Projects.

VILLAGE OF LITTLE CHUTE

SEWER UTILITY

BUDGET STATUS

	2025		2024 ACTUAL	% Change from PY	\$ Change from PY
	BUDGET	ACTUAL AUGUST YTD			
REVENUE					
Multi-family Residential	240,882	167,476	156,868	6.76%	10,608
Residential	1,271,421	846,747	794,542	6.57%	52,205
Commercial	276,513	151,494	157,847	-4.02%	(6,353)
Industrial	1,637,661	1,130,002	1,022,051	10.56%	107,951
Public Authority	254,921	237,256	274,415	-13.54%	(37,159)
Sales Subtotal	3,681,398	2,532,975	2,405,723	5.3%	127,252
% of CY Budget		69%			
All Other	1,067,806	192,748	202,726	-4.92%	(9,978)
TOTAL REVENUE	4,749,204	2,725,723	2,608,449	4.50%	117,274
% of CY Budget		57%			
 EXPENSES					
	2025		2024 ACTUAL		
	BUDGET	ACTUAL Expense = > AUGUST YTD	ACTUAL		
Financing	266,118	178,143	175,464	1.53%	2,679
Treatment	2,377,400	1,435,867	1,516,700	-5.33%	(80,833)
Collection	271,878	156,341	139,664	11.94%	16,677
Billing	176,817	97,482	102,592	-4.98%	(5,110)
Admin	233,805	156,582	130,101	20.35%	26,481
TOTAL EXPENSE	3,326,018	2,024,415	2,064,521	-1.94%	(40,106)
% of CY Budget		61%			
CASH FLOW -OPERATIONS	1,423,186	701,308	543,928		
ADD: DEPRECIATION	255,000	170,000	166,664		
ADD: NEW DEBT	-	-	-		
LESS: PRINCIPAL PAID	(35,000)	(35,000)	(40,000)		
LESS: FIXED ASSETS	(116,128)	(10,133)	(3,044)		
NET CASH FLOW	1,527,058	826,175	667,548		

NOTE :

Landfill revenue for Sewer Utility is billed on a quarterly billing; the first and second quarters are billed for 2025. Strength invoices have not been issued to Bel Brands (August), Nestle (August) and Oh Snap (July-August).

Continue to see interest and investment income impacted as result of market changes. The unrealized loss that exists now will **not** be recognized as long as the assets are held until maturity. The Village invests in varying maturities to match cash flow needs. An unrealized loss exists when a longer term asset the Village owns price has declined in the market place due to varying interest rates. Each month end, Generally Accepted Accounting Principles require that we record an unrealized loss (or gain) to recognize market impacts. The market to face value total for the Village at the end of August is a \$62,393 unrealized gain.

Property, Auto and Workers Compensation premiums for three quarters have been paid so nine months of expense have hit income statement.

Treatment is down 25,814,000 gallons in August 2025 YTD vs 2024; however, chlorides are up 1,333,043 lbs. resulting in a net decrease in cost of \$80,833. Administrative expenses are higher due to the Accounts Payable Clerk being fulltime for full eight months in 2025 while the position was vacant in January/early February in 2024.

Capital Contributions (revenue) are not recorded until year end (capital assets paid for by TID or contributed by developers) in the Sewer Utility (\$978,000).

Reminder that capital assets are shown as expense in utilities until capitalized as part of year end audit preparation along with a few other annual processes.

VILLAGE OF LITTLE CHUTE 2025 BUDGET
SEWER UTILITY
DEBT SCHEDULE

2019 Refunding

Year	Sanitary		
	Principal	Interest	Total
2025	35,000.00	2,400.00	37,400.00
2026	45,000.00	1,350.00	46,350.00
	80,000.00	3,750.00	83,750.00

TOTAL DEBT

Year	Sanitary		
	Principal	Interest	Total
2025	35,000.00	2,400.00	37,400.00
2026	45,000.00	1,350.00	46,350.00
	80,000.00	3,750.00	83,750.00

VILLAGE OF LITTLE CHUTE
WATER UTILITY
BUDGET STATUS

	2025		2024 ACTUAL	% Change from PY	\$ Change from PY
	BUDGET	ACTUAL AUGUST YTD			
REVENUE					
Multi-family Residential	140,000	95,323	91,460	4.22%	3,863
Residential	930,000	627,763	617,805	1.61%	9,958
Commercial	165,000	109,092	110,981	-1.70%	(1,889)
Industrial	720,000	624,859	488,022	28.04%	136,837
Private Fire	70,000	48,679	48,521	0.33%	158
Public Fire	450,000	287,963	287,188	0.27%	775
Public Authority	45,000	45,536	28,914	57.49%	16,622
Sales Subtotal	2,520,000	1,839,215	1,672,891	9.9%	166,324
% of CY Budget		73%			
All Other	1,003,588	109,413	88,193	24.06%	21,220
TOTAL REVENUE	3,523,588	1,948,628	1,761,084	10.65%	187,544
% of CY Budget		55%			
 Expense = > AUGUST YTD					
	2025		2024 ACTUAL		
	BUDGET	ACTUAL			
EXPENSES					
Financing	793,895	533,330	545,220	-2.18%	(11,890)
Wells/Source	109,861	16,697	12,362	35.07%	4,335
Pumping	363,994	206,574	168,865	22.33%	37,709
Treatment	767,558	633,623	477,624	32.66%	155,999
Distribution	897,649	618,036	594,295	3.99%	23,741
Billing	92,702	56,610	49,221	15.01%	7,389
Admin	240,291	133,422	115,854	15.16%	17,568
TOTAL EXPENSE	3,265,950	2,198,292	1,963,441	11.96%	234,851
% of CY Budget		67%			
CASH FLOW -OPERATIONS	257,638	(249,664)	(202,357)		
ADD: DEPRECIATION	530,000	353,200	363,200		
ADD: NEW DEBT	-	-	-		
LESS: PRINCIPAL PAID	(330,682)	(250,682)	(293,463)		
LESS: FIXED ASSETS	(54,631)	(8,936)	(6,525)		
NET CASH FLOW	402,325	(156,082)	(139,145)		

NOTE :

Continue to see interest and investment income impacted as result of market changes. The unrealized loss that exists now will **not** be recognized as long as the assets are held until maturity. The Village invests in varying maturities to match cash flow needs. An unrealized loss exists when a longer term asset the Village owns price has declined in the market place due to varying interest rates. Each month end, Generally Accepted Accounting Principles require that we record an unrealized loss (or gain) to recognize market impacts. The market to face value total for the Village at the end of August is a \$62,393 unrealized gain.

Property, Auto and Workers Compensation premiums for three quarters have been paid so nine months of expense have hit income statement.

Agropur increased water consumption accounts for majority of increase at industrial level with corresponding increase in various expenses. Distribution is up as well since we continue to change out to cellular meters.

Capital Contributions (revenue) are not recorded until year end (capital assets paid for by TID or contributed by developers) in the Water Utility (\$866,000).

Capital assets are shown as expense in utilities for monitoring until capitalized as part of year end audit preparation.

VILLAGE OF LITTLE CHUTE 2025 BUDGET

WATER UTILITY DEBT SCHEDULE

2014A Issue			2017B Issue			2016 Water Revenue			
Year	Water		Principal	Water		Principal	Water		
	Principal	Interest	Total	Principal	Interest	Total	Principal	Interest	Total
2025	-	-	-	1,691.11	154.68	1,845.79	80,000.00	2,280.00	82,280.00
2026	-	-	-	1,711.73	103.94	1,815.67	80,000.00	760.00	80,760.00
2027	-	-	-	1,752.96	52.58	1,805.54	-	-	-
	-	-	-	5,155.80	311.20	5,467.00	160,000.00	3,040.00	163,040.00

2017 Safe Drinking Bonds			2019A Issue			2019 Refunding			
Year	Water		Principal	Water		Principal	Water		
	Principal	Interest	Total	Principal	Interest	Total	Principal	Interest	Total
2025	58,990.57	14,499.38	73,489.95	40,000.00	5,800.00	45,800.00	55,000.00	3,300.00	58,300.00
2026	60,028.80	13,451.99	73,480.79	40,000.00	4,600.00	44,600.00	55,000.00	1,650.00	56,650.00
2027	61,085.31	12,386.19	73,471.50	40,000.00	3,400.00	43,400.00	-	-	-
2028	62,160.41	11,301.63	73,462.04	40,000.00	2,200.00	42,200.00	-	-	-
2029	63,254.43	10,197.98	73,452.41	40,000.00	1,000.00	41,000.00	-	-	-
2030	64,367.71	9,074.91	73,442.62	-	-	-	-	-	-
2031	65,500.58	7,932.06	73,432.64	-	-	-	-	-	-
2032	66,653.39	6,769.11	73,422.50	-	-	-	-	-	-
2033	67,826.49	5,585.69	73,412.18	-	-	-	-	-	-
2034	69,020.23	4,381.43	73,401.66	-	-	-	-	-	-
2035	70,234.99	3,155.99	73,390.98	-	-	-	-	-	-
2036	71,471.13	1,908.98	73,380.11	-	-	-	-	-	-
2037	72,729.02	640.01	73,369.03	-	-	-	-	-	-
	853,323.06	101,285.35	954,608.41	200,000.00	17,000.00	217,000.00	110,000.00	4,950.00	114,950.00

2020 Issue			2023 Issue			TOTAL DEBT			
Year	Water		Principal	Water		Principal	Water		
	Principal	Interest	Total	Principal	Interest	Total	Principal	Interest	Total
2025	55,000.00	4,550.00	59,550.00	40,000.00	20,500.00	60,500.00	330,681.68	51,084.06	381,765.74
2026	55,000.00	3,450.00	58,450.00	40,000.00	18,500.00	58,500.00	331,740.53	42,515.93	374,256.46
2027	55,000.00	2,350.00	57,350.00	40,000.00	16,500.00	56,500.00	197,838.27	34,688.77	232,527.04
2028	60,000.00	1,800.00	61,800.00	45,000.00	14,500.00	59,500.00	207,160.41	29,801.63	236,962.04
2029	60,000.00	1,200.00	61,200.00	45,000.00	12,250.00	57,250.00	208,254.43	24,647.98	232,902.41
2030	60,000.00	600.00	60,600.00	45,000.00	10,000.00	55,000.00	169,367.71	19,674.91	189,042.62
2031	-	-	-	50,000.00	7,750.00	57,750.00	115,500.58	15,682.06	131,182.64
2032	-	-	-	50,000.00	5,250.00	55,250.00	116,653.39	12,019.11	128,672.50
2033	-	-	-	55,000.00	2,750.00	57,750.00	122,826.49	8,335.69	131,162.18
2034	-	-	-	-	-	-	69,020.23	4,381.43	73,401.66
2035	-	-	-	-	-	-	70,234.99	3,155.99	73,390.98
2036	-	-	-	-	-	-	71,471.13	1,908.98	73,380.11
2037	-	-	-	-	-	-	72,729.02	640.01	73,369.03
	345,000.00	13,950.00	358,950.00	410,000.00	108,000.00	518,000.00	2,083,478.86	248,536.55	2,332,015.41

VILLAGE OF LITTLE CHUTE

STORM UTILITY

BUDGET STATUS

	2025		2024 ACTUAL	% Change from PY	\$ Change from PY
	BUDGET	ACTUAL			
Revenue = >	AUGUST YTD				
REVENUE					
Multi-family Residential	83,500	55,718	55,845	-0.2%	(127)
Residential	347,000	228,011	229,034	-0.4%	(1,023)
Commercial	580,000	392,933	398,195	-1.3%	(5,262)
Industrial	200,000	135,688	138,262	-1.9%	(2,574)
Public Authority	138,000	92,645	92,513	0.1%	132
Sales Subtotal	1,348,500	904,995	913,849	-1.0%	(8,854)
% of CY Budget		67%			
All Other	2,611,870	154,735	140,751	9.9%	13,984
TOTAL REVENUE	3,960,370	1,059,730	1,054,600	0.5%	5,130
% of CY Budget		27%			
Expense = > AUGUST YTD					
	2025		2024		
	BUDGET	ACTUAL	ACTUAL		
EXPENSES					
Financing	583,553	404,951	406,803	-0.5%	(1,852)
Pond Maintenance	205,768	36,767	67,773	-45.7%	(31,006)
Collection	248,765	136,345	138,359	-1.5%	(2,014)
Billing	70,327	42,822	42,242	1.4%	580
Admin	252,393	174,981	174,247	0.4%	734
TOTAL EXPENSE	1,360,806	795,866	829,424	-4.0%	(33,558)
% of CY Budget		58%			
CASH FLOW -OPERATIONS	2,599,564	263,864	225,176		
ADD: DEPRECIATION	510,000	510,000	332,800		
ADD: NEW DEBT	-	-	-		
LESS: PRINCIPAL PAID	(370,072)	(370,072)	(314,907)		
LESS: FIXED ASSETS	(3,086,936)	(902,797)	(41,630)		
NET CASH FLOW	(347,444)	(499,005)	201,439		

NOTE :

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Property, Auto and Workers Compensation premiums for three quarters have been paid so nine months of expense have hit income statement.

Pond maintenance is down from last year as had pump damaged last year in April storm event.

Capital Contributions (revenue) are not recorded until year end (capital assets paid for by TID or contributed by developers) in the Storm Utility (\$2,539,000).

Capital assets are shown as expense in utilities for monitoring until capitalized as part of year end audit preparation.

VILLAGE OF LITTLE CHUTE 2025 BUDGET

STORM UTILITY DEBT SCHEDULE

UTILITY COMMISSION

September 16, 2025



Utility Bills List

The above payments are recommended for approval on September 16, 2025.

\$ **316,244.51**

Rejected: _____

UTILITY INVOICES PAID WITH VILLAGE BILLS - AUGUST 9 - AUGUST 18, 2025	\$	26.30
UTILITY INVOICES PAID WITH VILLAGE BILLS - AUGUST 20 - SEPTEMBER 5, 2025	\$	55,649.18
TOTAL	\$	371,919.99

Approved: September 16, 2025.

Kevin Coffey, Chairperson

Laurie Decker, Clerk

Report Criteria:

Invoice Detail.GL Account = "62000000000"- "62099999999", "61000000000"- "61099999999", "63000000000"- "63099999999"
Invoice Detail.Voided = {=} FALSE

Invoice	Description	Total Cost	Period	GL Account
ACE HARDWARE LITTLE CHUTE 289715 CLEANING		7.18	08/25	620-53924-242
Total ACE HARDWARE LITTLE CHUTE:		7.18		
BADGER METER INC 80209987 ORION CELLULAR LTE SERV UNIT		1,727.18	08/25	620-53904-214
Total BADGER METER INC:		1,727.18		
CLEAN WATER TESTING 9010683802 WATER TESTING 9010689686 WATER TESTING		32.00 32.00	08/25 08/25	620-53644-204 620-53644-204
Total CLEAN WATER TESTING:		64.00		
COMPASS MINERALS AMERICA INC 090325 BULK XCS W/S 1529866 BULK XCS W/S 1530406 BULK XCS W/S 1531995 BULK XCS W/S 1532575 BULK XCS W/S 1533372 BULK XCS W/S 1535603 BULK XCS W/S 1535670 BULK XCS W/S		3,864.00 3,839.85 3,950.94 3,942.89 3,907.47 3,965.43 3,891.37 3,991.19	09/25 08/25 08/25 08/25 08/25 08/25 09/25 09/25	620-53634-224 620-53634-224 620-53634-224 620-53634-224 620-53634-224 620-53634-224 620-53634-224 620-53634-224
Total COMPASS MINERALS AMERICA INC:		31,353.14		
CTW CORPORATIN 42154 BOOSTER PUMP 1 & 4 REPAIR/REPLACEMENT		23,200.00	09/25	620-53624-302
Total CTW CORPORATIN:		23,200.00		
DONALD HIETPAS & SONS INC. 80125 HYDRANT - HYDRANT REPLACEMENT - 1006 MILLER LN 80125 WATER BRE WATER MAIN 80425 WATER BRE WATER BREAK 80525 STEPHEN S WATER MAIN 80725 GRANT ST WATER BREAK 80825 MILLER LN HYDRANT REPLACEMENT 81225 GRANT WATER MAIN		3,052.46 932.08 2,740.79 1,665.40 2,929.48 3,087.46 2,740.79	08/25 08/25 08/25 08/25 08/25 08/25 08/25	620-53644-254 620-53644-251 620-53644-251 620-53644-251 620-53644-251 620-53644-254 620-53644-251
Total DONALD HIETPAS & SONS INC.:		17,148.46		
FERGUSON WATERWORKS LLC #1476 454848-1 REPAIR CLAMP 454848-1 SERVICE REPAIR 454848-2 SERVICE REPAIR		332.49 96.00 100.00	08/25 08/25 09/25	620-53644-251 620-53644-252 620-53644-252
Total FERGUSON WATERWORKS LLC #1476:		528.49		
HAWKINS INC 7171558 CHLORINE		621.98	08/25	620-53634-214

Invoice	Description	Total Cost	Period	GL Account
7171558	SODIUM SILICATE	2,760.99	08/25	620-53634-220
7187199	CHLORINE	959.93	09/25	620-53634-214
7187199	SODIUM SILICATE	4,180.58	09/25	620-53634-220
Total HAWKINS INC:		8,523.48		
HEART OF THE VALLEY				
83125	FOG CONTROL	181.00	08/25	610-53611-204
83125	WASTEWATER	185,564.80	08/25	610-53611-225
83125MP	HOV METER PAYABLE	6,208.00	08/25	610-21110
Total HEART OF THE VALLEY:		191,953.80		
HEARTLAND BUSINESS SYSTEMS LLC				
823781H	UTILITY POSTCARDS	117.46	08/25	610-53614-206
823781H	UTILITY POSTCARDS	117.46	08/25	620-53904-206
823781H	UTILITY POSTCARDS	117.46	08/25	630-53443-206
Total HEARTLAND BUSINESS SYSTEMS LLC:		352.38		
MCO				
32088	HEALTH & LIABILITY INS	41,086.40	09/25	620-53644-115
Total MCO:		41,086.40		
MIDWEST METER INC				
180866	METER PARTS	300.00	08/25	620-53644-253
Total MIDWEST METER INC:		300.00		
Grand Totals:		316,244.51		

Report GL Period Summary

Vendor number hash: 59138
 Vendor number hash - split: 70373
 Total number of invoices: 29
 Total number of transactions: 35

Terms Description	Invoice Amount	Net Invoice Amount
Open Terms	316,244.51	316,244.51
Grand Totals:	316,244.51	316,244.51

Report Criteria:

Invoice Detail.GL Account = "62000000000"- "62099999999", "61000000000"- "61099999999", "63000000000"- "63099999999"
 Invoice Detail.Voided = {=} FALSE

Report Criteria:

Invoice Detail.GL Account = "6200000000"- "6209999999", "6100000000"- "6109999999", "6300000000"- "6309999999"

Invoice	Type	Description	Total Cost	Terms	1099	PO Number	GL Account
U.S. BANK (5015)							
49100825A	Invoi	LITTLE CAESARS -TRAINING	26.30	Open	Non		610-53614-211
Total U.S. BANK (5015):			26.30				
Grand Totals:			26.30				

Report GL Period Summary

Vendor number hash: 5015

Vendor number hash - split: 5015

Total number of invoices: 1

Total number of transactions: 1

Terms Description	Invoice Amount	Net Invoice Amount
Open Terms	26.30	26.30
Grand Totals:	26.30	26.30

Report Criteria:

Invoice Detail.GL Account = "6200000000"- "6209999999", "6100000000"- "6109999999", "6300000000"- "6309999999"

Invoice	Type	Description	Total Cost	Terms	1099	PO Number	GL Account
ACE HARDWARE LITTLE CHUTE (4702)							
289454	Invoi	HARDWARE	7.59	Open	Non		620-53634-255
Total ACE HARDWARE LITTLE CHUTE (4702):			7.59				
AT&T (409)							
9207887381096308	Invoi	AUG/SEPT SERVICE	288.49	Open	Non		620-53924-203
Total AT&T (409):			288.49				
BATTERIES PLUS LLC (652)							
p84576161	Invoi	6V BATTERIES - METERS	167.40	Open	Non		610-53612-253
Total BATTERIES PLUS LLC (652):			167.40				
CELLCOM (4683)							
56550	Invoi	STORM I-PADS	15.77	Open	Non		630-53442-218
56550	Invoi	SANITARY SEWER I-PAD	15.77	Open	Non		610-53612-218
Total CELLCOM (4683):			31.54				
CIVIC SYSTEMS LLC (5565)							
9284	Invoi	AP WORKFLOW & MIEXCEL AP LICENSE FEE, SE	185.59	Open	Non		610-53614-208
9284	Invoi	AP WORKFLOW & MIEXCEL AP LICENSE FEE, SE	167.96	Open	Non		620-53924-208
9284	Invoi	AP WORKFLOW & MIEXCEL AP LICENSE FEE, SE	316.14	Open	Non		630-53444-208
Total CIVIC SYSTEMS LLC (5565):			669.69				
FARRELL EQUIPMENT & SUPPLY CO INC (4598)							
255356	Invoi	MORTAR	2,000.00	Open	Non		630-53442-251
255356	Invoi	MORTAR	5,918.86	Open	Non		610-53612-256
Total FARRELL EQUIPMENT & SUPPLY CO INC (4598):			7,918.86				
GARROW OIL (4236)							
440466	Invoi	DIESEL FUEL	2.55	Open	Non		610-53612-247
440466	Invoi	DIESEL FUEL	9.74	Open	Non		620-53644-247
Total GARROW OIL (4236):			12.29				
HEARTLAND BUSINESS SYSTEMS (3449)							
814821H	Invoi	UTILITY POSTCARDS - JULY QTY 3361	117.64	Open	Non		610-53614-206
814821H	Invoi	UTILITY POSTCARDS - JULY QTY 3361	117.63	Open	Non		620-53904-206
814821H	Invoi	UTILITY POSTCARDS - JULY QTY 3361	117.64	Open	Non		630-53443-206
Total HEARTLAND BUSINESS SYSTEMS (3449):			352.91				
HERRLING CLARK LAW FIRM LTD (208)							
2Q/25 131-10Q	Invoi	STORM	368.56	Open	Atto		630-53444-262
2Q/25 131-10Q	Invoi	SANITARY PROJECT	322.49	Open	Atto		610-51236-204
Total HERRLING CLARK LAW FIRM LTD (208):			691.05				

Invoice	Type	Description	Total Cost	Terms	1099	PO Number	GL Account
KAUKAUNA UTILITIES (234)							
AUGUST 2025	Invoi	PUMP STATION JEFFERSON ST	1,938.61	Open	Non		620-53624-249
AUGUST 2025	Invoi	#4 WELL EVERGREEN DRIVE	7,487.17	Open	Non		620-53624-249
AUGUST 2025	Invoi	#3 WELL WASHINGTON ST	4,733.57	Open	Non		620-53624-249
AUGUST 2025	Invoi	STEPHEN ST TOWER/LIGHTING	63.26	Open	Non		620-53624-249
AUGUST 2025	Invoi	DOYLE PARK WELL	5,965.88	Open	Non		620-53624-249
AUGUST 2025	Invoi	1800 STEPHEN ST STORM	926.52	Open	Non		630-53441-249
Total KAUKAUNA UTILITIES (234):			21,115.01				
LAZER UTILITY LOCATING LLC (5357)							
2165	Invoi	SANITARY LOCATES	556.00	Open	Non		610-53612-209
2165	Invoi	STORM LOCATES	589.00	Open	Non		630-53442-209
2165	Invoi	WATER LOCATES	1,238.00	Open	Non		620-53644-209
Total LAZER UTILITY LOCATING LLC (5357):			2,383.00				
MCC INC (480)							
375832	Invoi	HOT MIX ASPHALT - VANDENBROEK NEW CURB	624.92	Open	Non		620-53644-251
Total MCC INC (480):			624.92				
MCMAHON ASSOCIATES INC (276)							
939999	Invoi	PROFESSIONAL SERVICES FROM 3/30/25 TO 5/3/2	672.00	Open	Non		630-53441-204
Total MCMAHON ASSOCIATES INC (276):			672.00				
MCO (2254)							
32053	Invoi	BILLABLE MILEAGE - JULY	687.10	Open	Non		620-53644-247
Total MCO (2254):			687.10				
MENARDS - APPLETON EAST (319)							
79145	Invoi	INSULATION	131.88	Open	Non		620-53644-251
79268	Invoi	EMG LIGHT WELL # 1	24.99	Open	Non		620-53634-255
Total MENARDS - APPLETON EAST (319):			156.87				
O'REILLY AUTOMOTIVE INC (1036)							
2043-118255	Invoi	INDUSTRIAL POND BACK UP BAT. CORE RETURN	10.00-	Open	Non		630-53441-218
Total O'REILLY AUTOMOTIVE INC (1036):			10.00-				
OUTAGAMIE COUNTY HIGHWAY DEPT (2053)							
1021944	Invoi	UTILTY PERMIT	100.00	Open	Non		610-51236-263
Total OUTAGAMIE COUNTY HIGHWAY DEPT (2053):			100.00				
OUTAGAMIE COUNTY TREASURER (486)							
1021967	Invoi	FUEL BILL - JULY	18.17	Open	Non		630-53441-247
1021967	Invoi	FUEL BILL - JULY	690.12	Open	Non		630-53442-247
1021967	Invoi	FUEL BILL - JULY	152.88	Open	Non		610-53612-247
1021967	Invoi	FUEL BILL - JULY	403.03	Open	Non		620-53644-247
Total OUTAGAMIE COUNTY TREASURER (486):			1,264.20				

Invoice	Type	Description	Total Cost	Terms	1099	PO Number	GL Account
OUTAGAMIE CTY RECYCLING & SOLID WASTE (5051)							
38319	Invoi	WATER BREAKS	35.20	Open	Non	620-53644-251	
38319	Invoi	STORM	66.75	Open	Non	630-53442-204	
Total OUTAGAMIE CTY RECYCLING & SOLID WASTE (5051):			101.95				
PRIMADATA LLC (4671)							
SEPTEMBER 2025	Invoi	POSTCARD POSTAGE	375.00	Open	Non	610-53613-226	
SEPTEMBER 2025	Invoi	POSTCARD POSTAGE	375.00	Open	Non	620-53904-226	
SEPTEMBER 2025	Invoi	POSTCARD POSTAGE	375.00	Open	Non	630-53443-226	
Total PRIMADATA LLC (4671):			1,125.00				
ROBERT E. LEE & ASSOCIATES (3446)							
88936	Invoi	GIS SERVICES	4,724.12	Open	Non	610-53614-204	
88936	Invoi	GIS SERVICES	4,724.13	Open	Non	620-53924-204	
88936	Invoi	GIS SERVICES	4,724.13	Open	Non	630-53444-204	
Total ROBERT E. LEE & ASSOCIATES (3446):			14,172.38				
US POSTMASTER (264)							
82925 FALL NEWS	Invoi	FALL DPW/ENGINEERING NEWSLETTER	113.10	Open	Non	610-53614-226	
82925 FALL NEWS	Invoi	FALL DPW/ENGINEERING NEWSLETTER	226.39	Open	Non	630-53444-226	
Total US POSTMASTER (264):			339.49				
VERIZON WIRELESS (3606)							
6120993685	Invoi	JULY/AUGUST SERVICES	84.52	Open	Non	620-53924-203	
Total VERIZON WIRELESS (3606):			84.52				
VILLAGE OF LITTLE CHUTE (1404)							
AUGUST 2025	Invoi	PUMP STATION JEFFERSON ST	37.75	Open	Non	620-53624-249	
AUGUST 2025	Invoi	#3 WELL WASHINGTON ST	12.38	Open	Non	620-53624-249	
AUGUST 2025	Invoi	625 E EVERGREEN DR	156.94	Open	Non	620-53624-249	
AUGUST 2025	Invoi	1200 STEPHEN ST - WATER TOWER	29.70	Open	Non	620-53624-249	
AUGUST 2025	Invoi	3609 FREEDOM RD-WATER/SEWER	18.15	Open	Non	630-53441-249	
Total VILLAGE OF LITTLE CHUTE (1404):			254.92				
WI DEPT OF NATURAL RESOURCES (76)							
WU113154	Invoi	WATER USE FEES	2,438.00	Open	Non	620-53604-257	
Total WI DEPT OF NATURAL RESOURCES (76):			2,438.00				
Grand Totals:			55,649.18				

Report GL Period Summary

Vendor number hash: 59834
 Vendor number hash - split: 132094
 Total number of invoices: 26
 Total number of transactions: 54

Terms Description	Invoice Amount	Net Invoice Amount
Open Terms	55,649.18	55,649.18
Grand Totals:	55,649.18	55,649.18

Report Criteria:

Invoice Detail.GL Account = "6200000000"- "62099999999", "6100000000"- "61099999999", "63000000000"- "63099999999"