



AGENDA

VILLAGE OF LITTLE CHUTE UTILITY COMMISSION MEETING

PLACE: Little Chute Village Hall, Board Room

DATE: Tuesday, August 19, 2025

TIME: 5:00 p.m.

Join Zoom Meeting

<https://us06web.zoom.us/j/86297991015>

Meeting ID: 862 9799 1015

One tap mobile

13126266799,,86297991015# US (Chicago)

A. Call to Order

B. Roll Call

C. Public Appearance for Items Not on the Agenda

-
1. Approval of Minutes of July 22, 2025
 2. Discussion/Action — Nestle Sewer Meter
 3. Discussion— Water System Evaluation Draft
 4. Progress Reports
 - a. MCO Operations Update
 - b. Director of Public Works
 - c. Finance Director
 5. Approval of Vouchers
 6. Unfinished Business
 7. Items for Future Agenda
 8. Closed Sessions:

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*
 9. Return to Open Session
 10. Discussion/Recommendation—Fiber Easement

11. 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: August 14, 2025

MINUTES OF THE UTILITY COMMISSION MEETING OF JULY 22, 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 June 17, 2025

Moved by T. Buchholz, seconded by J. Schultz to Approve Minutes from the Utility Commission of June 17, 2025.

All Ayes – Motion Carried

Discussion – 2026-2030 Capital Improvement Plan

T. Buchholz questioned the push buttons at the crosswalks that he had spoken to Director Taylor about in the past. He hopes it will become a priority in the future noting other communities do it and there are grants for it. The cost will likely have to an operations budget issue versus a CIP project.

Discussion—2024 CMAR

The 2024 CMAR was reviewed.

Discussion/Action—Private Well Permits for Golden Gate 1900 and 2000

Moved by Chair Coffey, seconded by J. Schultz to accept proposal to collect for past due annual well permit fees and then issue permits.

All Ayes – Motion Carried

Discussion/Action—Nestle Sewer Meter

Moved by Chair Coffey, seconded by K. Verstegen to reimburse Nestle for meter costs and start billing off the sewer meter for the August invoice.

All Ayes – Motion Carried

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

Adjournment

Moved by J. Schultz, seconded by T. Buchholz to Adjourn Utility Commission Meeting at 5:15 p.m.

VILLAGE OF LITTLE CHUTE

By: _____
Kevin Coffey, Chair

Attest: _____
Laurie Decker, Village Clerk



Item For Consideration

For Commission Review On: July 22, 2025,
Agenda Item Topic: Nestle Sewer Meter

Prepared On: July 14, 2025
Prepared By: Finance

Report: On August 8, the Village received the July meter report from Nestle with the following verbiage. "On July 24 when I looked at our MTD report through the prior week, it seemed to be trending significantly lower than what we would expect. I reached out to our Industrial Services manager Hugo to have him take a look at the meter. He did not see anything unusual. He reached out to the water department. On July 30 Jason and Tyler from the village were here with Hugo to clean the sensor and check the meter. This did not seem to correct the problem, so Hugo then reached out to Mulcahy Shaw. Mark Duerr from Mulcahy Shaw was onsite along with Tyler and Hugo on 8/4. Mark inspected the meter and determined the sensor lens was dirty which was cleaned with a microfiber cloth. This brought the flow reading back within the range we would expect. Mark advised that the sensor lens should be cleaned periodically with the indicator being the doppler measure being less than 1000. We have added this as a PM in our system to check on a routine basis."

MCO staff followed up with Mulcahy Shaw. The meter display shows "doppler power" as this is an indicator of the sensors ability to focus. With a dirty lens, it gets more difficult to focus. When the doppler power starts dipping below 1000, that will indicate you need to clean the lens. MCO will now add Doppler Power Reading to their daily reads and if the reading falls below 1000, immediate cleaning of the lens will be performed.

Historically, the meter was verified as in place and working correctly as of January 27, 2025. The commission took past action to reimburse Nestle after six months' data monitoring of the new meter placement. The Village had continued to bill Nestle at 59% of water consumption until this milestone was reached (July 27). Utilities Commission approved billing Nestle off the sewer meter for the August invoice (meter read date 7/3/25 to 8/4/25). It was also approved to reimburse Nestle \$36,192.03 for the meter in the dedicated manhole in accordance with past actions. This check is on the bills list for the Village Board approval for the August 20th meeting.



Item For Consideration

50.00%	Nestle Proposal	
68.67%	Current Billing %	
118.67%		
59.34%	Average	
59.00%	Rounded for ease	

Fiscal Impact: Sewer Utility industrial revenues and equity considerations for ratepayers.

Recommendation/Commission Action: Due to sensor lens issue, the meter reading is not accurate for July. It is uncertain the exact date discrepancies began occurring. Staff proposes two different options for estimating the bill: 1) Using average flow from January 28 through June 30 resulting in average daily volume of 61,537 gallons for 34 days = total of 2,086,138 or 2) continuing one additional month billing the 59% average of water used that would result in a volume of 2,790,071 gallons.

Due to the uncertainty of when and to what magnitude the sensor impacted reads, staff recommends the second option for consistency with the past several months. With the added proactive approach MCO is implementing, we recommend to start billing off the sewer meter for the September invoice (meter read date 8/5/25 to 9/4/25).

Respectfully Submitted,

Lisa Remiker-DeWall, Finance Director

<u>Meter Read Dates</u>	<u>Village Invoice Based on Water Volume</u>	<u>Nestle Sewer Meter</u>				<u>Days</u>	<u>Adjusted Metered Sewer</u>
01/07/25 to 02/05/25	2,421,968	1,216,484	50.23%	40,549	average	30	New meter installed on January 27 during day - no readings Jan 16 - Jan 27 (partial day start and end date); used average to project full period (770,438/19*11)
02/06/25 to 03/05/25	2,506,290	1,569,065	62.61%	56,038	average	28	
03/06/25 to 04/07/25	3,712,899	2,176,564	58.62%	65,956	average	33	
04/08/25 to 05/06/25	3,352,846	1,739,989	51.90%	60,000	average	29	
05/07/25 to 06/04/25	3,756,806	1,915,686	50.99%	66,058	average	29	
06/05/25 to 07/03/25	3,752,281	1,945,987	51.86%	62,774	average	31	
07/04/25 to 08/06/2025	4,728,934	2,086,138	44.11%	61,357	average	34	
		2,790,071	59%				

		<u># days</u>	<u>Daily Average</u>
January 28-31	210,543		
February 1-28	1,389,131		
March 1-31	2,036,565		
April 1-30	1,842,775		
May 1-31	2,064,745		
June 1-30	1,905,153		
January 28-June 30 Average	9,448,912	154	61,357
July 1-31 Average	1,061,894	31	34,255

July 2025

Monthly Statistics	
Total	1,061,894
Days Pumped	31
Average	34,255
Maximum Total on Day	171,241 2
Minimum Total on Day	15,787 #N/A

Daily Statistics	
Maximum	171,241
Minimum	15,787

Location Statistics	
Maximum at Location	1,061,894 Effluent Flow Meter
Minimum at Location	0 Future

Date	Effluent Flow Meter			Total
1	47,691			47,691
2	171,241			171,241
3	54,515			54,515
4	29,142			29,142
5	47,600			47,600
6	48,249			48,249
7	64,626			64,626
8	35,099			35,099
9	35,811			35,811
10	23,738			23,738
11	29,122			29,122
12	39,688			39,688
13	24,348			24,348
14	20,589			20,589
15	22,701			22,701
16	22,483			22,483
17	26,623			26,623
18	28,523			28,523
19	37,866			37,866
20	21,073			21,073
21	21,708			21,708
22	22,906			22,906
23	17,532			17,532
24	20,782			20,782
25	26,225			26,225
26	25,790			25,790
27	18,469			18,469
28	23,051			23,051
29	16,007			16,007
30	15,787			15,787
31	22,909			22,909
Totals	1,061,894			1,061,894
Total Cost	\$0.00			\$0.00

Monthly Production June 2025

Monthly Statistics	
Total	1,905,153
Days Pumped	30
Average	63,505
Maximum Total	189,280
on Day	19
Minimum Total	28,773
on Day	20

Daily Statistics	
Maximum	189,280
Minimum	28,773

Location Statistics	
Maximum	1,905,153
at Location	Effluent Flow Meter
Minimum	0
at Location	Future

Date	Effluent Flow Meter	Total	Total Cost
1	43,731	43,731	\$0.00
2	75,280	75,280	\$0.00
3	59,932	59,932	\$0.00
4	53,670	53,670	\$0.00
5	57,198	57,198	\$0.00
6	77,505	77,505	\$0.00
7	89,860	89,860	\$0.00
8	65,013	65,013	\$0.00
9	51,886	51,886	\$0.00
10	51,064	51,064	\$0.00
11	54,590	54,590	\$0.00
12	57,787	57,787	\$0.00
13	81,341	81,341	\$0.00
14	100,734	100,734	\$0.00
15	42,265	42,265	\$0.00
16	48,664	48,664	\$0.00
17	48,746	48,746	\$0.00
18	58,998	58,998	\$0.00
19	189,280	189,280	\$0.00
20	28,773	28,773	\$0.00
21	48,178	48,178	\$0.00
22	41,049	41,049	\$0.00
23	60,595	60,595	\$0.00
24	46,902	46,902	\$0.00
25	57,752	57,752	\$0.00
26	55,356	55,356	\$0.00
27	54,971	54,971	\$0.00
28	99,362	99,362	\$0.00
29	47,062	47,062	\$0.00
30	57,609	57,609	\$0.00
31			#VALUE!
Totals	1,905,153	1,905,153	
Total Cost	\$0.00	\$0.00	
June 1-4	232,613		
June 5-30	1,672,540		
	1,905,153		

May 2025

Monthly Production

Monthly Statistics

Total	2,064,745
Days Pumped	31
Average	66,605

Maximum Total	148,776
on Day	21
Minimum Total	30,582
on Day	25

Daily Statistics

Maximum	148,776
Minimum	30,582

Location Statistics

Maximum	2,064,745
at Location	Effluent Flow Meter
Minimum	0
at Location	Future

Date	Effluent Flow Meter	
1	58,801	
2	75,555	
3	71,281	
4	59,607	
5	49,559	
6	66,869	
7	54,615	
8	47,284	
9	51,552	
10	118,205	
11	40,643	
12	45,864	
13	47,728	
14	55,801	
15	47,447	
16	94,199	
17	97,093	
18	38,478	
19	57,071	
20	50,751	
21	148,776	
22	127,365	
23	141,482	
24	52,377	
25	30,582	
26	32,933	
27	69,004	
28	45,066	
29	46,912	
30	54,123	
31	87,722	
Totals	2,064,745	
Total Cost	\$0.00	
May 1-6	381,672	
May 7-31	1,683,073	
	2,064,745	

Monthly Production April 2025

Monthly Statistics	
Total	1,842,775
Days Pumped	30
Average	61,426
Maximum Total on Day	163,230
Minimum Total on Day	24,967

Daily Statistics	
Maximum	163,230
Minimum	24,967

Location Statistics	
Maximum at Location	1,842,775
Minimum at Location	0
	Effluent Flow Meter
	Future

Date	Effluent Flow Meter	Total
1	81,692	81,692
2	74,711	74,711
3	68,104	68,104
4	80,598	80,598
5	72,530	72,530
6	41,329	41,329
7	65,494	65,494
8	38,733	38,733
9	53,207	53,207
10	55,691	55,691
11	52,236	52,236
12	67,451	67,451
13	52,576	52,576
14	46,506	46,506
15	36,061	36,061
16	48,493	48,493
17	35,781	35,781
18	163,230	163,230
19	122,854	122,854
20	27,406	27,406
21	24,967	24,967
22	53,743	53,743
23	50,463	50,463
24	44,562	44,562
25	52,093	52,093
26	100,695	100,695
27	59,907	59,907
28	52,087	52,087
29	58,900	58,900
30	60,675	60,675
31		
Totals	1,842,775	1,842,775
Total Cost	\$0.00	\$0.00
April 1-7	484,458	
April 8-30	1,358,317	
	1,842,775	

Monthly Production March 2025

Monthly Statistics	
Total	2,036,565
Days Pump	31
Average	65,696
Maximum T on Day	105,247
Minimum T on Day	35,824

Daily Statistics	
Maximum	105,247
Minimum	35,824

Location Statistics	
Maximum at Location	2,036,565
Minimum at Location	0
Flow Meter	Future

Date	Effluent Flow Meter			Total	Total Cost
1	71,910			71,910	\$0.00
2	73,445			73,445	\$0.00
3	39,902			39,902	\$0.00
4	78,616			78,616	\$0.00
5	80,586			80,586	\$0.00
6	64,914			64,914	\$0.00
7	89,832			89,832	\$0.00
8	46,361			46,361	\$0.00
9	39,106			39,106	\$0.00
10	44,028			44,028	\$0.00
11	51,301			51,301	\$0.00
12	72,893			72,893	\$0.00
13	94,065			94,065	\$0.00
14	87,234			87,234	\$0.00
15	48,863			48,863	\$0.00
16	35,824			35,824	\$0.00
17	50,133			50,133	\$0.00
18	45,845			45,845	\$0.00
19	86,640			86,640	\$0.00
20	91,703			91,703	\$0.00
21	105,247			105,247	\$0.00
22	59,148			59,148	\$0.00
23	45,920			45,920	\$0.00
24	52,590			52,590	\$0.00
25	45,484			45,484	\$0.00
26	80,656			80,656	\$0.00
27	65,070			65,070	\$0.00
28	91,049			91,049	\$0.00
29	77,018			77,018	\$0.00
30	50,286			50,286	\$0.00
31	70,896			70,896	\$0.00
Totals	2,036,565			2,036,565	
Total Cost	\$0.00			\$0.00	

March 1-5 344,459
 Mar 6-31 1,692,106
 2,036,565

Monthly Production February 2025

Monthly Statistics	
Total	1,389,131
Days Pumped	28
Average	49,612
Maximum Total	116,039
on Day	28
Minimum Total	13,451
on Day	9

Daily Statistics	
Maximum	116,039
Minimum	13,451

Location Statistics	
Maximum	1,389,131
at Location	Effluent Flow Meter
Minimum	0
at Location	Future

Date	Effluent Flow Meter	Total	Total Cost
1	38,072	38,072	\$0.00
2	25,339	25,339	\$0.00
3	37,441	37,441	\$0.00
4	32,365	32,365	\$0.00
5	31,308	31,308	\$0.00
6	94,992	94,992	\$0.00
7	91,665	91,665	\$0.00
8	24,601	24,601	\$0.00
9	13,451	13,451	\$0.00
10	30,847	30,847	\$0.00
11	34,855	34,855	\$0.00
12	33,103	33,103	\$0.00
13	44,555	44,555	\$0.00
14	72,895	72,895	\$0.00
15	44,909	44,909	\$0.00
16	32,396	32,396	\$0.00
17	42,405	42,405	\$0.00
18	29,404	29,404	\$0.00
19	24,073	24,073	\$0.00
20	67,217	67,217	\$0.00
21	79,870	79,870	\$0.00
22	44,533	44,533	\$0.00
23	32,782	32,782	\$0.00
24	43,707	43,707	\$0.00
25	86,795	86,795	\$0.00
26	66,136	66,136	\$0.00
27	73,376	73,376	\$0.00
28	116,039	116,039	\$0.00
29			#VALUE!
30			#VALUE!
31			#VALUE!
Totals	1,389,131	1,389,131	
Total Cost	\$0.00	\$0.00	
Feb 1-5	164,525		
Feb 6-28	1,224,606		
	1,389,131		

Monthly Production

January 2025

Monthly Statistics	
Total	904,657
Days Pumped	21
Average	43,079
Maximum Total	93,242
on Day	2
Minimum Total	11,780
on Day	27

Daily Statistics	
Maximum	93,242
Minimum	0

Location Statistics	
Maximum	904,657
at Location	Effluent Flow Meter
Minimum	0
at Location	Future

Date	Effluent Flow Meter				
1	12,585				
2	93,242				
3	47,537				
4	42,886				
5	53,996				
6	48,498				
7	47,470				
8	45,386				
9	39,071				
10	51,474				
11	32,655				
12	29,952				
13	50,541				
14	40,707				
15	32,340				
16	13,994		Partial Day		
17	0		No meter installed		
18	0		No meter installed		
19	0		No meter installed		
20	0		No meter installed		
21	0		No meter installed		
22	0		No meter installed		
23	0		No meter installed		
24	0		No meter installed		
25	0		No meter installed		
26	0		No meter installed		
27	11,780		Partial Day		
28	30,870				
29	39,881				
30	51,392				
31	88,400				
Totals	904,657				
Total Cost	\$0.00				
Jan 1st- 6th	298,744				
Jan 7th-31st	605,913				
	904,657				



Item For Consideration

For Commission Review On: 08/12/2025

Prepared On: 08/12/2025

Agenda Item Topic: Draft Review Water System Evaluation **Prepared By:** Jerry Verstegen

Report: Please review the draft Water System Evaluation report. Staff will be meeting with McMahon to provide feedback on September 2, 202. The draft does not recommend a new water tower in 2026; however other priority needs were identified. The goal is to optimize ratepayer investments that will provide a safe and reliable water system into the future.

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

Other identified future priority items in the study will be water utility cost.

Recommendation/Commission Action: Discussion only for August meeting to strategize and receive Commission input.

Respectfully Submitted,
Jerry Verstegen

ENGINEERING REPORT

WATER SYSTEM EVALUATION & PLAN UPDATE

FOR THE



VILLAGE OF LITTLE CHUTE | OUTAGAMIE COUNTY, WISCONSIN

DRAFT

JULY 31, 2025



McMAHON ASSOCIATES, INC.

1445 McMAHON DRIVE NEENAH, WI 54956 Mailing: PO BOX 1025 NEENAH, WI 54957-1025 PH 920.751.4200 MCMGRP.COM

McM. No. L0001-092500305 / ASK:jlh



WATER SYSTEM EVALUATION & PLAN UPDATE

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WATER SYSTEM EVALUATION & PLAN UPDATE

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DRAFT

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.

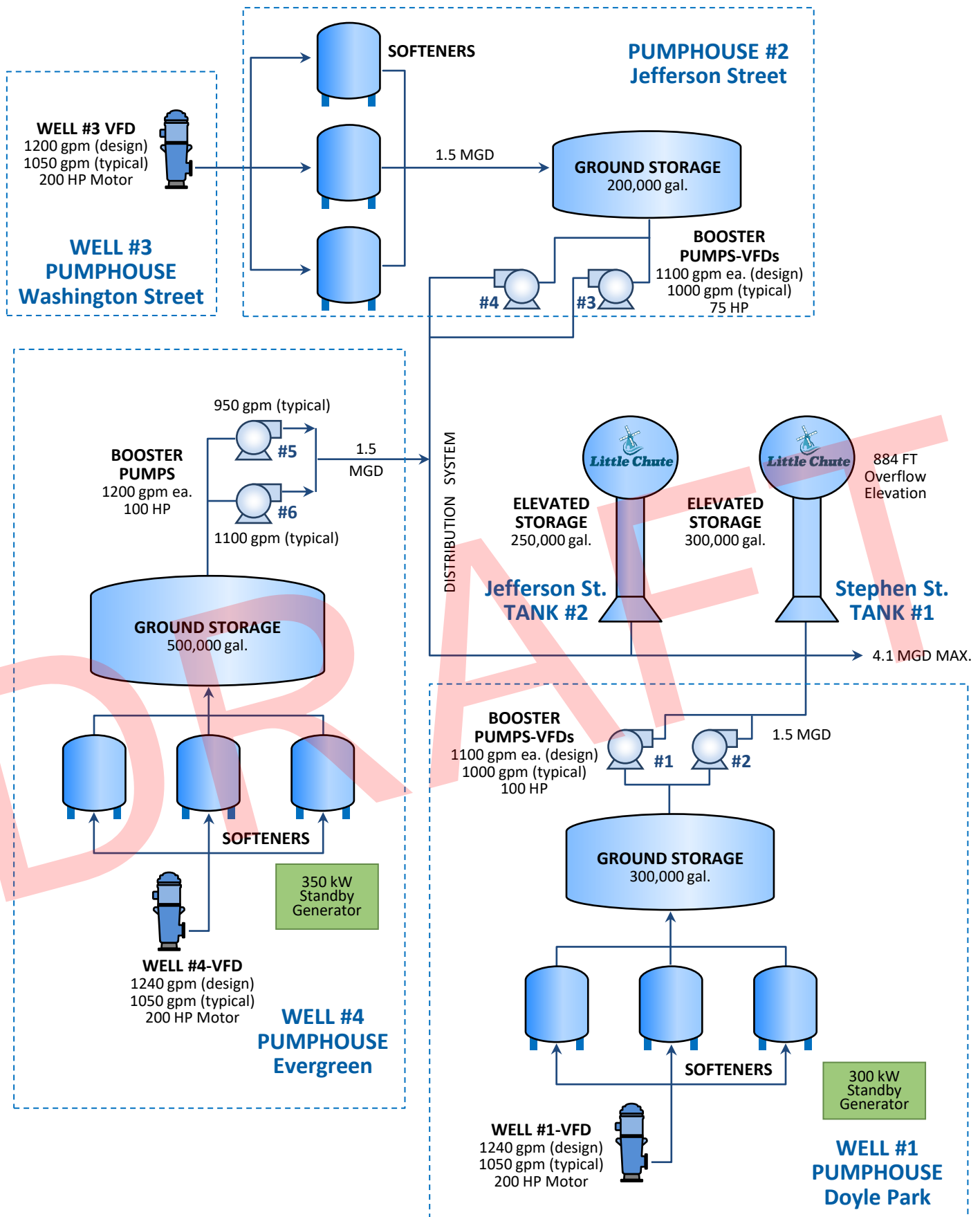


FIGURE #1

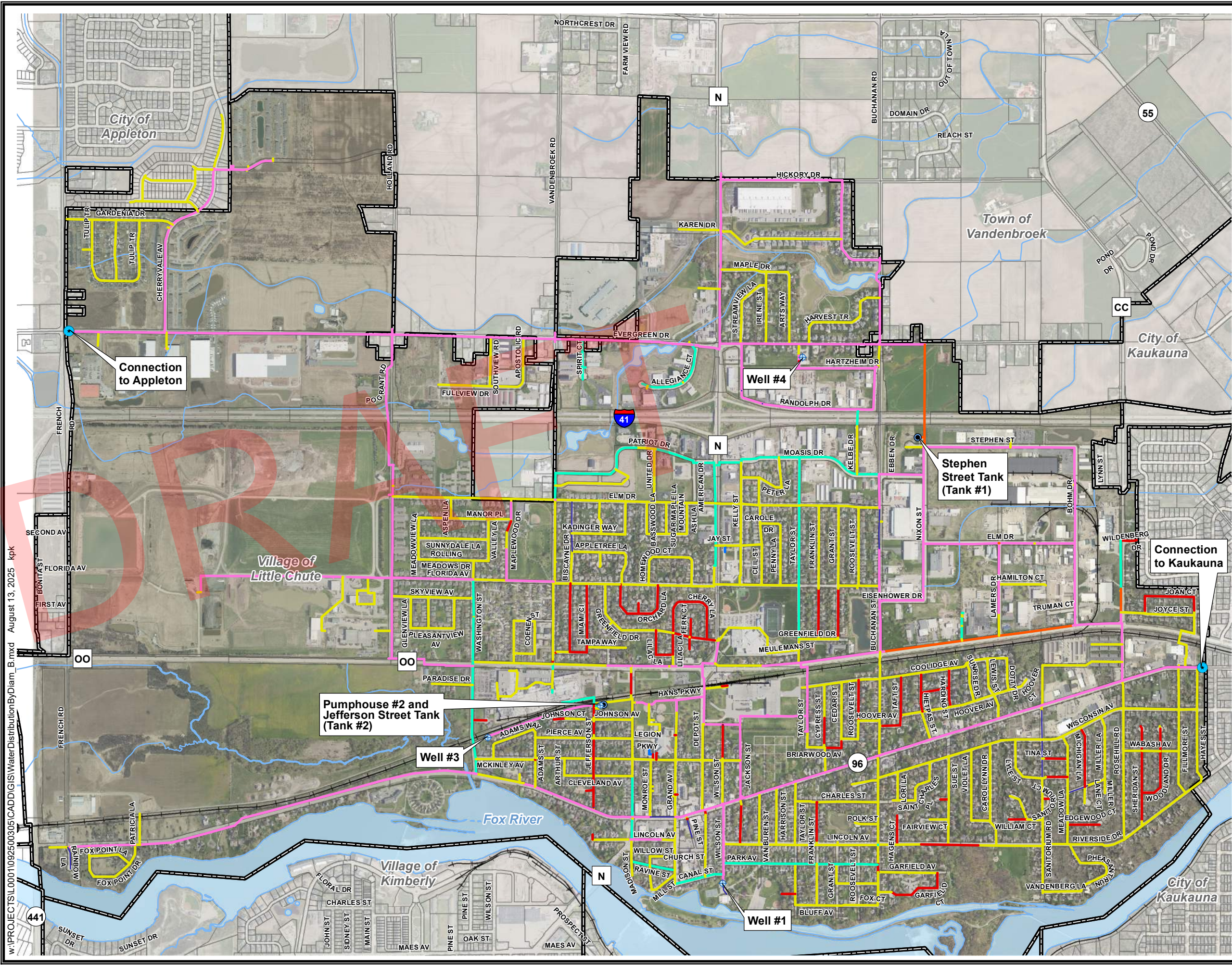
WATER SYSTEM SCHEMATIC

WATER SYSTEM EVALUATION & PLAN UPDATE

VILLAGE OF LITTLE CHUTE, WISCONSIN

McM #L0001-09-25-00305 7/31/25

ID: LITTLE CHUTE WATER SYSTEM EVAL FIG 1 SCHEMATIC.PPTX ASK:jmk



**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. 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

McMAHON
ENGINEERS ARCHITECTS
McMAHON ASSOCIATES, INC.

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
■ 2020	10,740
■ 2025	10,950
■ 2030	11,100



- Water System Service Area
- Appleton Customers Served by Little Chute Water
- Other Mapped Features**
- 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 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. 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.

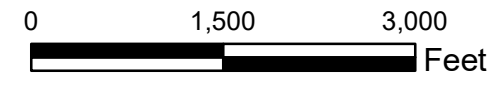
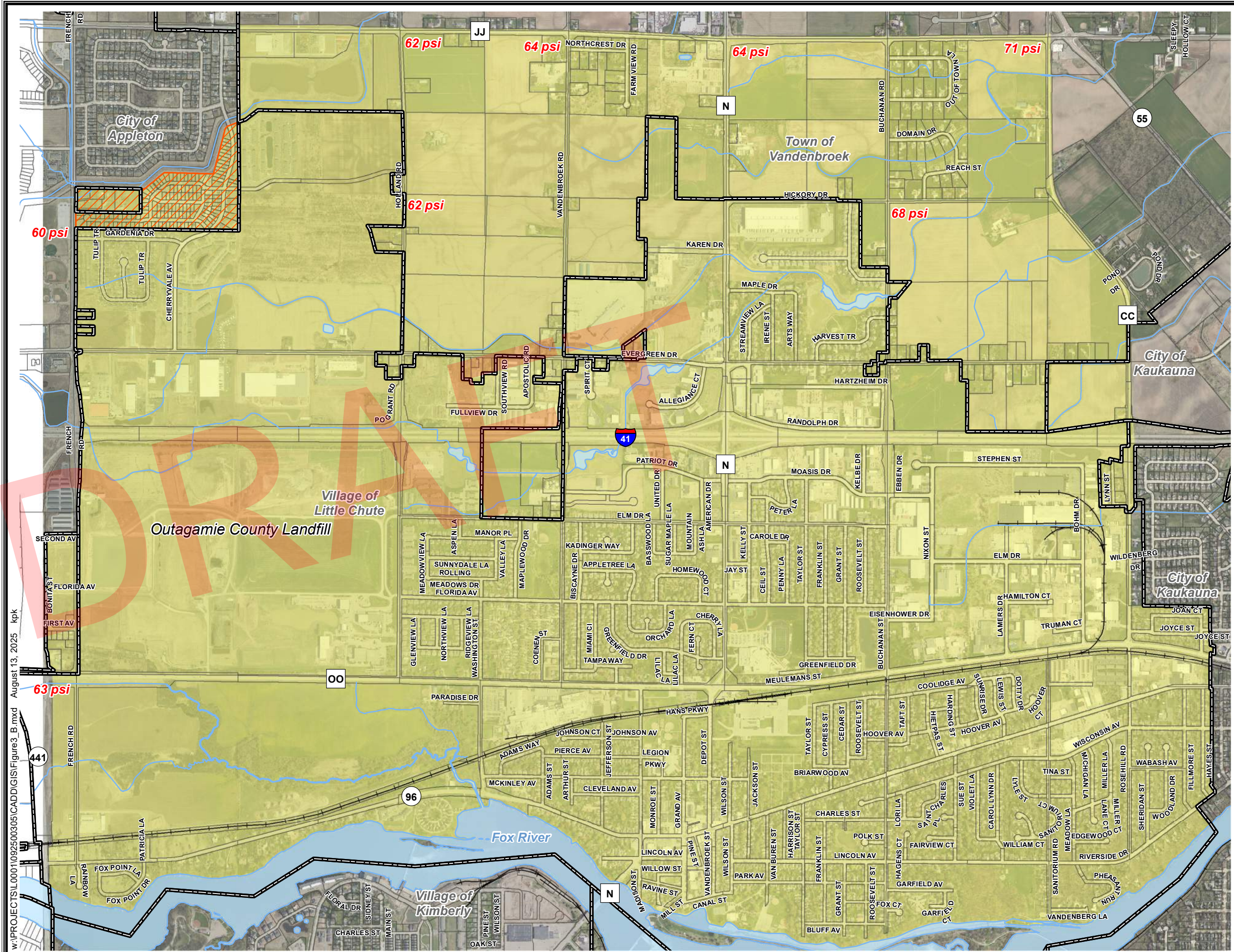
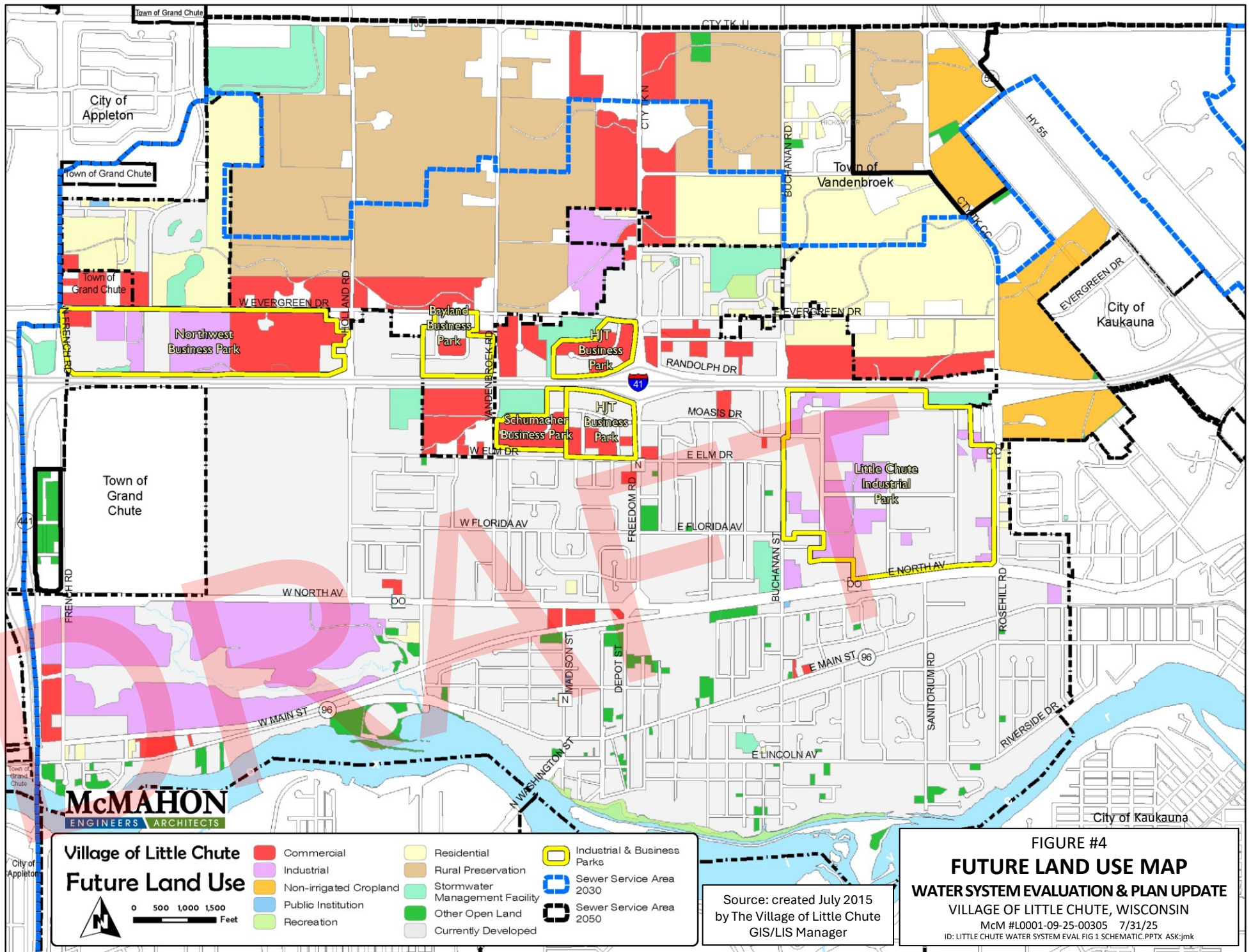


FIGURE 3
WATER SYSTEM SERVICE AREA
WATER SYSTEM EVALUATION
AND PLAN UPDATE
VILLAGE OF LITTLE CHUTE
OUTAGAMIE COUNTY, WISCONSIN



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

■ 2020 Census.....	11,619
■ 2030	12,896
■ 2040	14,109
■ 2050	14,859

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
 - ▶ Minimum 35 psi
 - ▶ Maximum 100 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 Projection Parameters
	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%	
Population Estimate		11,619		12,170		12,160		12,178		12,364	Average 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		Summer Demand & Main Break		Summer Demand & Main Break		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

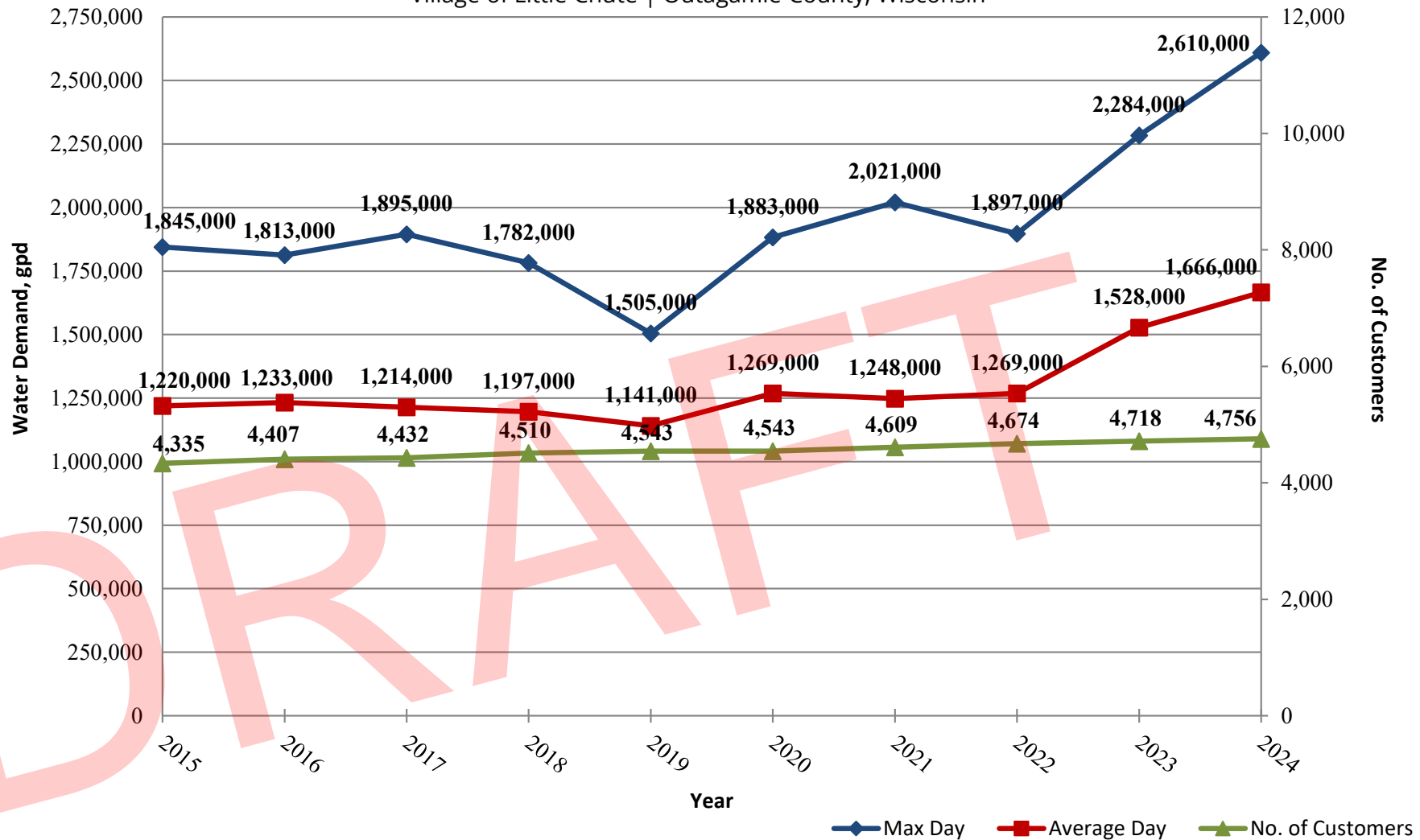


Table #7

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 (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

Existing 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)	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

	Booster Pump			
Ground Storage Available / 3-Hour Period	Capacity (gpm)	Condition A (gpm)	Condition B (gpm)	Condition C (gpm)
Supply Available From Ground Storage				
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 Land Use	Range of Needed Fire Flow @ 20 psi Residual Pressure
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 #62027
- 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 #22036

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

Well Construction Logs

DRAFT

WISCONSIN UNIQUE WELL NUMBER		BG582	
Source: SWAP PROJECT KEYED			
Property Owner	LITTLE CHUTE, VILLAGE OF	Telephone Number	414-788-7398
Mailing Address	108 W MAIN ST		
City	LITTLE CHUTE	State	WI
		Zip Code	54140
County of Well Location	45 OUTAGAMIE	Co Well Permit No	W
		Well Completion Date	January 1, 1950

Well Constructor LAYNE CHRISTENSEN COMPANY	License # 582	Facility ID (Public) 445033820
Address W229 N5005 DUPLAINVI		Public Well Plan Approval#
City PEWAUKEE	State WI	Zip Code 53072
Date Of Approval 07/20/1923		
Hicap Permanent Well # 83482	Common Well # 001	Specific Capacity 56.5 gpm/ft

3. Well Serves	# of homes and or M (eg: barn, restaurant, church, school, industry, etc.)	High Capacity: Well?
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?

Well located in floodplain? _____

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

1. Landfill	9. Downspout/ Yard Hydrant	17. Wastewater Sump
2. Building Overhang	10. Privy	18. Paved Animal Barn Pen
3. 1=Septic 2= Holding Tank	11. Foundation Drain to Clearwater	19. Animal Yard or Shelter
4. Sewage Absorption Unit	12. Foundation Drain to Sewer	20. Silo
5. Nonconforming Pit	13. Building Drain	21. Barn Gutter
6. Buried Home Heating Oil Tank	1=Cast Iron or Plastic 2=Other	22. Manure Pipe 1=Gravity 2=Pressure
7. Buried Petroleum Tank	14. Building Sewer 1=Gravity 2=Pressure	1=Cast iron or Plastic 2=Other
8. 1=Shoreline 2= Swimming Pool	1=Cast Iron or Plastic 2=Other	23. Other manure Storage
	15. Collector Sewer: ___ units ___ in . diam.	24. Ditch
	16. Clearwater Sump	25. Other NR 812 Waste Source

5. Drillhole Dimensions and Construction Method				8. Geology			
From To		Upper Enlarged Drillhole	Lower Open Bedrock	Geology Codes	Type, Caving/Noncaving, Color, Hardness, etc	From To	
Dia.(in.)	(ft)	(ft)				(ft.)	(ft.)
			-- 1. Rotary - Mud Circulation -----		__C_ CLAY	0	5
			-- 2. Rotary - Air -----		__L_ DOLOMITE GALENA PLATTEVILLE	5	151
15.0	surface	102	-- 3. Rotary - Air and Foam -----		__NL SANDSTONE LOWER MAGNESIUM	151	189
			-- 4. Drill-Through Casing Hammer -----		G_LR DOLOMITE LOWER MAGNESIUM	189	229
12.0	102	734	-- 5. Reverse Rotary -----		_NNL SANDSTONE LOWER MAGNESIUM	229	237
			-- 6. Cable-tool Bit _ in. dia -----		G_L_ DOLOMITE LOWER MAGNESIUM	237	329
			-- 7. Temp. Outer Casing _ in. dia. ____ depth ft.		_NNL SANDSTONE LOWER MAGNESIUM	329	335
			Removed ?		__LS DOLOMITE	335	345
			Other		__NL SANDSTONE TREMPPEALEAU	345	382
6. Casing Liner Screen Material, Weight, Specification				From	To		
Dia. (in.)		Manufacturer & Method of Assembly		(ft.)	(ft.)		
12.0			surface	102		__NL SANDSTONE FRANCONIAN	382 490
						_N SANDSTONE DRESBACH	490 730
						P Q GRANITE PRECAMBRIAN	730 734

				9. Static Water Level 38.0 feet B ground surface A=Above B=Below	11. Well Is: 0 in. Grade Developed? A=Above Disinfected? B=Below Capped?
Dia.(in.)	Screen type, material & slot size	From	To	10. Pump Test Pumping level 44.0 ft. below surface Pumping at 339.0 GP M 8.0 Hrs	

7. Grout or Other Sealing Material				12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property?	
Method		From (ft.)	To (ft.)	# Sacks Cement	If no, explain
Kind of Sealing Material					
GROUT		surface	102.0		13. Initials of Well Constructor or Supervisory Driller
					Date Signed
					Initials of Drill Rig Operator (Mandatory unless same as above)
					Date Signed

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 Owner LITTLE CHUTE, VILLAGE OF		Telephone Number 414 - 788 - 7398
Mailing Address 108 W MAIN ST		
City LITTLE CHUTE	State WI	Zip Code 54140
County of Well Location 45 OUTAGAMIE	Co Well Permit No W	Well Completion Date February 1, 1974

1. Well Location V T=Town C=City V=Village of LITTLE CHUTE		Depth 805 FT
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 DUPLAINVI		Public Well Plan Approval# 730121
City PEWAUKEE	State WI	Zip Code 53072
Date Of Approval 02/26/1973		
High Capacity Permanent Well # 83484	Common Well # 003	4.2 gpm/ft

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

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

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?			9. Downspout/ Yard Hydrant			17. Wastewater Sump		
Distance in feet from well to nearest: (including proposed)			10. Privy			18. Paved Animal Barn Pen		
1. Landfill			11. Foundation Drain to Clearwater			19. Animal Yard or Shelter		
2. Building Overhang			12. Foundation Drain to Sewer			20. Silo		
3. 1=Septic 2= Holding Tank			13. Building Drain			21. Barn Gutter		
4. Sewage Absorption Unit			1=Cast Iron or Plastic 2=Other			22. Manure Pipe 1=Gravity 2=Pressure		
5. Nonconforming Pit			14. Building Sewer 1=Gravity 2=Pressure			1=Cast iron or Plastic 2=Other		
6. Buried Home Heating Oil Tank			1=Cast Iron or Plastic 2=Other			23. Other manure Storage		
7. Buried Petroleum Tank			15. Collector Sewer: ___ units ___ in. diam.			24. Ditch		
8. 1=Shoreline 2= Swimming Pool			16. Clearwater Sump			25. Other NR 812 Waste Source		

5. Drillhole Dimensions and Construction Method				8. Geology	
From To		Upper Enlarged Drillhole	Lower Open Bedrock	Codes	Type, Caving/Noncaving, Color, Hardness, etc
Dia.(in.)	(ft)	(ft)			
18.0	surface	48	-- 1. Rotary - Mud Circulation -----	R_C_	CLAY
			-- 2. Rotary - Air -----	LL_	DOLOMITE SINNIPEE
			-- 3. Rotary - Air and Foam -----	NL_	DOLOMITE @ SANDSTONE STP
17.0	47	795	-- 4. Drill-Through Casing Hammer -----	E_HS	SHALE STP
			-- 5. Reverse Rotary -----	L_	DOLOMITE PDC
			-- 6. Cable-tool Bit ___ in. dia -----	G_N_	SANDSTONE PDC
12.0	795	805	-- 7. Temp. Outer Casing ___ in. dia. ___ depth ft. -----	LR	DOLOMITE PDC
			Removed ?	P_L_	DOLOMITE COON VALLEY
			Other	R_NL	SANDSTONE COON VALLEY
				O_N_	SANDSTONE VAN OSER
				P_N_	SANDSTONE NORWALK
				N_	SANDSTONE TUN CITY

6. Casing Liner Screen				9. Static Water Level		11. Well Is:	
Material, Weight, Specification		From To		129.0 feet	ground surface	Grade	
Dia. (in.)	Manufacturer & Method of Assembly	(ft.)	(ft.)		B ..=Above B=Below	0 in. A=Above B=Below	
18.0	A53B WELDED 0375 WALL	surface	48				
12.0	A53B 0375 WALL WELDED	2	320				
Dia.(in.)	Screen type, material & slot size	From	To	10. Pump Test		Developed?	
				Pumping level 319.0ft. below surface		Disinfected?	
				Pumping at 790.0GPM 9.00hrs		Capped?	

7. Grout or Other Sealing Material				12. Did you notify the owner of the need to permanently abandon and fill all unused wells on this property?	
Method		From To	# Sacks Cement	If no, explain	
Kind of Sealing Material		(ft.)	(ft.)		
NEAT CEMENT		surface	320.0	13. Initials of Well Constructor or Supervisory Driller	
				Date Signed	
				Initials of Drill Rig Operator (Mandatory unless same as above)	
				Date Signed	

BG584

[illegible]

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

Mailing Address **108 W MAIN ST**

City **LITTLE CHUTE** State **WI** Zip Code **54140**

County of Well Location **NE 45 OUTAGAMIE** Co Well Permit No **W** Well Completion Date **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 **WI** Zip Code **53956** Date Of Approval **08/04/1998**

Hicap Well # **004** Common Well # **004** **25.6** gpm/ft

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. Well Location **T** T=Town C=City V=Village Fire#
of **LITTLE CHUTE**

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 Lat/Long Method
2=Replacement (See item 12 below) **GPS004**

3=Reconstruction of previous unique well # constructed in
Reason for replaced or reconstructed Well? **NQ265**

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

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? **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	To	Upper Enlarged Drillhole	Lower Open Bedrock
Dia.(in.)	(ft)	(ft)		
19.0	surface	449	X - 1. Rotary - Mud Circulation	
			- 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	

6. Casing Liner Screen Material, Weight, Specification From To

Dia. (in.)	Manufacturer & Method of Assembly	(ft.)	(ft.)
16.0	STD BLK PIPE .375 WALL WELD JTS GENEVA	surface	449
20.0	STD BLK PIPE .375 WALL WELD JTS A53 SAWHILL - BARBER RIG	0	47

Dia.(in.)	Screen type, material & slot size	From	To
-----------	-----------------------------------	------	----

7. Grout or Other Sealing Material

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

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

10. Pump Test
Pumping level 205.8ft. below surface
Pumping at 1300.GPM 12.Qhrs

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

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? Y
Owner Sent Label? Y

Variance Issued?
More Geology?

Batch 714

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NG591

[illegible]

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

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

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

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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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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: 07-2025

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

1. Plants/Treatment
 - 7/22/2025 – Pulled Booster Pumps # 1 and # 4
 - i. Waiting for repairs
2. Distribution
 - 7/31/2025 – Replaced Leaking Hydrant on Fox Ct
 - Valve Operating North of HWY OO
3. Meters
 - Residential Meter Changes and Cross Connections
4. General Water
 - Leak Correlation

Sam Schepp
Jerry Verstegen

2025 Pumpage Totals

8/14/2025

Date	Pump age x 1000								Discharge Sanitary				Blend and Pump age %					
	Wells			Effluent			Well	Booster	Well	Sanitary	Sanitary	Sanitary	Blend %			% Pumped by Plant		
	# 1	# 3	# 4	# 1	# 3	# 4	Totals	Totals	# 1	# 3	# 4	Totals	# 1	# 3	# 4	# 1	# 3	# 4
7/1	853	501	688	764	552	688	2,042	2,004	58.0	23.0	32.0	113.0	8.9%	11.2%	2.5%	41.8%	24.5%	33.7%
7/2	542	678	718	526	671	800	1,938	1,997	48.0	35.0	38.3	121.3	8.9%	12.0%	2.4%	28.0%	35.0%	37.0%
7/3	738	325	635	702	282	614	1,698	1,598	58.0	23.0	38.1	119.1	8.9%	11.1%	2.5%	43.5%	19.1%	37.4%
7/4	242	741	601	265	757	557	1,584	1,579	9.0	35.0	35.2	79.2	8.7%	11.9%	2.5%	15.3%	46.8%	37.9%
7/5	856	256	557	763	251	568	1,669	1,582	58.0	12.0	31.3	101.3	8.9%	10.7%	2.4%	51.3%	15.3%	33.4%
7/6	229	835	615	282	811	627	1,679	1,720	10.0	35.0	26.6	71.6	8.7%	11.4%	2.6%	13.6%	49.7%	36.6%
7/7	821	626	628	715	636	680	2,075	2,031	59.0	35.0	38.2	132.2	8.9%	10.9%	2.5%	39.6%	30.2%	30.3%
7/8	509	852	736	541	806	767	2,097	2,114	37.0	35.0	31.8	103.8	8.8%	11.5%	2.2%	24.3%	40.6%	35.1%
7/9	820	592	687	720	611	722	2,099	2,053	58.0	35.0	38.7	131.7	8.9%	11.1%	2.3%	39.1%	28.2%	32.7%
7/10	495	902	721	533	847	711	2,118	2,091	39.0	35.0	37.9	111.9	8.9%	11.5%	2.3%	23.4%	42.6%	34.0%
7/11	777	435	669	726	413	682	1,881	1,821	58.0	24.0	32.5	114.5	8.9%	11.4%	2.4%	41.3%	23.1%	35.6%
7/12	250	852	668	217	835	601	1,770	1,653	9.0	42.0	39.0	90.0	8.8%	11.9%	2.3%	14.1%	48.1%	37.7%
7/13	786	411	627	745	444	677	1,824	1,866	58.0	22.0	35.4	115.4	8.9%	10.8%	2.3%	43.1%	22.5%	34.4%
7/14	704	890	692	685	860	729	2,286	2,274	58.0	41.0	31.6	130.6	8.8%	11.4%	2.3%	30.8%	38.9%	30.3%
7/15	878	765	738	847	756	725	2,381	2,328	53.0	35.0	32.5	120.5	8.9%	11.6%	2.3%	36.9%	32.1%	31.0%
7/16	846	539	706	816	505	724	2,091	2,045	60.0	35.0	38.9	133.9	9.0%	12.4%	2.2%	40.5%	25.8%	33.8%
7/17	849	522	696	790	544	726	2,067	2,060	62.0	24.0	38.5	124.5	8.8%	11.3%	2.3%	41.1%	25.3%	33.7%
7/18	490	757	761	494	687	723	2,008	1,904	28.0	35.0	38.5	101.5	8.8%	11.5%	2.2%	24.4%	37.7%	37.9%
7/19	786	238	521	683	233	557	1,545	1,473	58.0	11.0	36.1	105.1	8.9%	10.2%	2.3%	50.9%	15.4%	33.7%
7/20	227	957	694	280	955	613	1,878	1,848	10.0	35.0	26.6	71.6	8.8%	11.4%	2.2%	12.1%	51.0%	37.0%
7/21	801	720	706	776	735	819	2,227	2,330	58.0	36.0	37.7	131.7	8.9%	11.5%	2.3%	36.0%	32.3%	31.7%
7/22	745	624	932	693	607	949	2,301	2,249	46.0	35.0	41.5	122.5	9.0%	12.2%	2.4%	32.4%	27.1%	40.5%
7/23	657	827	712	619	791	724	2,196	2,134	50.0	35.0	44.5	129.5	8.8%	11.4%	1.9%	29.9%	37.7%	32.4%
7/24	831	685	708	762	684	724	2,224	2,170	59.0	35.0	39.3	133.3	8.9%	11.8%	1.8%	37.4%	30.8%	31.8%
7/25	535	697	668	493	668	724	1,900	1,885	29.0	35.0	38.1	102.1	8.8%	11.8%	1.9%	28.2%	36.7%	35.2%
7/26	778	289	702	770	265	581	1,769	1,616	58.0	0.0	38.7	96.7	8.9%	10.0%	1.9%	44.0%	16.3%	39.7%
7/27	558	1,330	0	527	1,288	0	1,888	1,815	39.0	70.0	30.0	139.0	8.8%	11.8%		29.6%	70.4%	0.0%
7/28	712	212	1,192	635	251	1,308	2,116	2,194	49.0	0.0	14.2	63.2	8.8%	10.0%	1.9%	33.6%	10.0%	56.3%
7/29	551	888	846	570	864	845	2,285	2,279	38.0	46.0	58.2	142.2	8.9%	12.1%	1.8%	24.1%	38.9%	37.0%
7/30	875	591	680	809	580	724	2,146	2,113	59.0	25.0	43.9	127.9	8.9%	11.1%	1.8%	40.8%	27.5%	31.7%
7/31	529	857	763	481	834	789	2,149	2,104	38.0	41.0	39.1	118.1	8.7%	11.5%	1.8%	24.6%	39.9%	35.5%
Avg	654	658	686	620	646	699	1,998	1,965	46	31	36	113	0	0	0	0	0	0
Total	20,270	20,394	21,267	19,229	20,023	21,678	61,931	60,930	1,411	965	1,123	3,499	3	4	1	10	10	11

2025 Treatment Totals

8/14/2025

	Chemical Pounds									Doseage					
	Chlorine			Silicate			Salt			Chlorine			Silicate		
	# 1	# 3	# 4	# 1	# 3	# 4	# 1	# 3	# 4	# 1	# 3	# 4	# 1	# 3	# 4
7/1/25	59.8	35.2	49.2	258	154	220	3,640	5,200	6,240	1.05	1.05	1.07	10.70	10.87	11.31
7/2/25	39.2	48.6	51.8	164	198	234	7,020	2,600	7,800	1.08	1.07	1.08	10.70	10.33	11.53
7/3/25	50.8	25.2	46.0	220	94	208	5,720	3,900	7,800	1.03	1.16	1.09	10.54	10.23	11.59
7/4/25	18.8	51.8	43.0	76	218	207	7,020	2,600	7,280	1.16	1.05	1.07	11.11	10.41	12.18
7/5/25	60.6	18.2	39.8	252	74	194	1,300	3,900	6,500	1.06	1.07	1.07	10.41	10.22	12.32
7/6/25	17.8	63.8	44.2	66	248	221	7,020	1,300	4,940	1.17	1.15	1.08	10.19	10.51	12.71
7/7/25	60.0	45.0	42.8	242	146	221	1,040	3,900	7,800	1.10	1.08	1.02	10.43	8.25	12.45
7/8/25	37.2	62.2	51.6	164	256	259	7,020	3,900	6,240	1.10	1.09	1.05	11.40	10.63	12.45
7/9/25	60.0	43.6	47.2	260	182	234	4,680	3,900	7,800	1.10	1.10	1.03	11.22	10.87	12.05
7/10/25	36.4	65.0	50.4	156	270	246	7,280	3,900	7,800	1.10	1.08	1.05	11.15	10.59	12.07
7/11/25	60.2	30.6	30.2	244	130	234	4,680	3,900	6,240	1.16	1.05	0.68	11.11	10.57	12.37
7/12/25	19.4	61.4	46.6	78	252	245	7,020	2,600	7,800	1.16	1.08	1.05	11.04	10.46	12.97
7/13/25	61.8	28.4	43.8	236	122	221	1,040	5,200	7,540	1.18	1.04	1.05	10.62	10.50	12.47
7/14/25	51.4	63.0	42.6	212	268	234	7,020	2,600	6,240	1.09	1.06	0.92	10.65	10.65	11.96
7/15/25	61.6	54.8	0.0	260	224	246	7,020	3,900	6,240	1.05	1.07		10.47	10.36	11.79
7/16/25	59.4	41.0	49.4	246	156	234	7,020	3,900	7,800	1.05	1.14	1.05	10.29	10.24	11.72
7/17/25	62.4	40.4	48.2	236	160	246	7,020	3,900	7,800	1.10	1.16	1.04	9.83	10.84	12.50
7/18/25	37.6	53.8	52.6	134	220	245	7,020	2,600	7,800	1.15	1.07	1.04	9.67	10.28	11.39
7/19/25	53.4	17.0	36.0	214	72	182	3,640	3,900	7,800	1.02	1.07	1.04	9.63	10.70	12.36
7/20/25	17.2	68.0	48.6	60	270	260	7,020	1,300	4,680	1.14	1.06	1.05	9.35	9.98	13.25
7/21/25	55.6	51.2	47.4	244	194	247	1,300	3,900	7,800	1.04	1.07	1.01	10.77	9.53	12.38
7/22/25	53.4	43.6	65.0	220	188	298	7,020	3,900	7,800	1.07	1.05	1.05	10.45	10.66	11.31
7/23/25	43.8	58.8	50.2	198	248	247	5,720	4,160	9,360	1.00	1.07	1.06	10.66	10.61	12.27
7/24/25	58.6	49.2	50.4	252	206	220	5,980	3,900	7,800	1.06	1.08	1.07	10.73	10.64	10.99
7/25/25	39.0	49.8	47.4	178	158	195	7,020	3,900	7,800	1.09	1.07	1.06	11.77	8.02	10.33
7/26/25	51.4	20.6	49.2	258	64	206	3,380	3,900	7,800	0.99	1.07	1.05	11.73	7.83	10.38
7/27/25	39.6	94.8	0.0	176	300	0	7,020	0	7,800	1.06	1.07		11.16	7.98	
7/28/25	48.0	14.2	82.4	206	50	338	4,680	7,800	0	1.01	1.00	1.04	10.23	8.34	10.03
7/29/25	38.8	63.0	59.0	150	208	195	5,980	0	12,480	1.06	1.06	1.05	9.63	8.29	8.15
7/30/25	61.8	44.8	49.0	232	136	168	4,680	5,200	9,360	1.06	1.14	1.08	9.38	8.14	8.74
31-Jul	37	62.4	54	144	206	194	7,020	2,600	7,800	1.05	1.09	1.06	9.63	8.50	8.99
Avg	46.8	47.4	45.7	194.7	183.0	222.5	5,485	3,489	7,288	1.1	1.1	1.0	10.5	9.9	11.6
Total	1,452.0	1,469.4	1,418.0	6,036.0	5,672.0	6,899.0	170,040	108,160	225,940	33.5	33.5	30.0	326.6	306.0	347.0

2025 System Samples

8/14/2025

Date	North West						North East						South West						South East					
Week	Total	Free	Ph	Iron	Silc	Hard	Total	Free	Ph	Iron	Silc	Hard	Total	Free	Ph	Iron	Silc	Hard	Total	Free	Ph	Iron	Silc	Hard
1/6	0.49	0.41	7.7	0.06	13	8	0.32	0.30	7.5	0.10	11	10	0.48	0.41	7.6	0.09	13	10	0.51	0.41	7.5	0.06	12	11
1/13	0.59	0.53	7.5	0.09	13	9	0.38	0.32	7.7	0.04	14	10	0.50	0.55	7.6	0.06	13	10	0.59	0.53	7.5	0.02	12	10
1/20	0.48	0.39	7.4	0.09	12	10	0.26	0.20	7.5	0.02	10	9	0.44	0.37	7.4	0.10	10	9	0.33	0.25	7.5	0.09	18	9
1/27	0.26	0.20	7.5	0.04	12	9	0.25	0.20	7.5	0.07	12	9	0.33	0.22	7.5	0.01	10	9	0.26	0.20	7.5	0.01	17	10
2/3	0.54	0.51	7.8	0.07	11	8	0.38	0.33	7.8	0.04	17	9	0.35	0.33	7.4	0.04	16	9	0.60	0.55	7.5	0.01	15	10
2/10	0.30	0.23	7.5	0.06	18	11	0.46	0.36	7.5	0.05	14	9	0.59	0.51	7.5	0.11	19	9	0.48	0.44	7.5	0.07	18	10
2/17	0.54	0.48	7.6	0.13	12	10	0.41	0.38	7.5	0.06	20	10	0.60	0.57	7.5	0.06	20	5	0.48	0.45	7.5	0.12	19	9
2/24	0.51	0.42	7.4	0.04	19	8	0.25	0.23	7.4	0.02	11	9	0.35	0.22	7.5	0.08	21	8	0.25	0.21	7.6	0.08	16	7
3/3	0.54	0.48	7.3	0.09	8	10	0.31	0.28	7.3	0.08	8	9	0.25	0.21	7.6	0.06	18	8	0.30	0.25	7.4	0.02	8	8
3/10	0.25	0.21	7.3	0.04	11	8	0.41	0.37	7.6	0.02	12	8	0.31	0.28	7.5	0.01	10	8	0.51	0.47	7.4	0.02	11	7
3/17	0.36	0.34	7.6	0.06	17	8	0.31	0.25	7.5	0.11	17	9	0.40	0.33	7.4	0.09	20	7	0.49	0.47	7.4	0.10	8	9
3/24	0.47	0.40	7.5	0.07	8	10	0.33	0.24	7.6	0.03	7	10	0.52	0.44	7.4	0.03	16	8	0.56	0.49	7.4	0.09	11	10
3/31	0.55	0.52	7.6	0.11	14	14	0.48	0.43	7.6	0.06	18	9	0.49	0.45	7.6	0.05	18	6	0.53	0.49	7.5	0.12	19	10
4/7	0.51	0.46	7.7	0.12	7	12	0.55	0.51	7.8	0.01	8	9	0.55	0.51	7.4	0.11	7	7	0.48	0.41	7.5	0.12	8	9
4/14	0.30	0.22	7.6	0.03	12	11	0.36	0.28	7.5	0.08	16	10	0.31	0.28	7.6	0.03	20	8	0.64	0.56	7.9	0.10	19	9
4/21	0.47	0.43	7.2	0.02	17	9	0.43	0.40	7.5	0.08	17	9	0.48	0.42	7.4	0.08	16	9	0.45	0.40	7.5	0.09	18	10
4/28	0.50	0.46	7.3	0.10	17	10	0.32	0.20	7.6	0.09	19	10	0.47	0.28	7.3	0.07	16	9	0.25	0.22	7.6	0.08	20	9
5/5	0.55	0.51	7.4	0.04	16	9	0.47	0.43	7.4	0.07	19	9	0.55	0.51	7.4	0.11	18	9	0.45	0.40	7.7	0.09	17	10
5/12	0.39	0.35	7.4	0.01	12	8	0.47	0.43	7.3	0.05	13	9	0.29	0.24	7.4	0.01	15	8	0.54	0.51	7.4	0.12	15	10
5/19	0.25	0.20	7.6	0.07	16	8	0.22	0.20	7.5	0.07	13	9	0.45	0.30	7.7	0.06	10	9	0.30	0.25	7.5	0.06	10	9
5/26	0.38	0.32	7.4	0.03	16	9	0.44	0.38	7.6	0.09	16	9	0.54	0.50	7.4	0.07	16	8	0.28	0.24	7.5	0.08	14	9
6/2	0.28	0.23	7.6	0.10	15	9	0.35	0.30	7.6	0.10	17	9	0.52	0.48	7.4	0.07	17	9	0.30	0.26	7.5	0.01	18	9
6/9	0.24	0.22	7.5	0.03	18	11	0.30	0.25	7.4	0.08	17	10	0.26	0.22	7.2	0.01	18	6	0.25	0.22	7.4	0.05	20	10
6/16	0.24	0.22	7.4	0.09	19	10	0.35	0.30	7.6	0.08	19	10	0.42	0.36	7.3	0.06	18	8	0.24	0.22	7.5	0.06	20	9
6/23	0.35	0.31	7.4	0.05	18	10	0.34	0.30	7.4	0.05	17	10	0.34	0.31	7.4	0.10	17	9	0.26	0.23	7.4	0.08	18	10
6/30	0.26	0.23	7.6	0.04	23	10	0.41	0.36	7.4	0.10	14	9	0.33	0.29	7.4	0.07	23	9	0.24	0.22	7.3	0.08	15	9
7/7	0.29	0.25	7.6	0.08	19	8	0.39	0.37	7.5	0.06	17	10	0.31	0.27	7.6	0.12	15	8	0.26	0.21	7.6	0.10	16	10
7/14	0.38	0.30	7.6	0.10	11	8	0.35	0.31	7.6	0.10	12	10	0.55	0.47	7.7	0.08	19	9	0.38	0.34	7.5	0.08	17	9
7/21	0.31	0.29	7.5	0.07	15	8	0.27	0.25	7.7	0.05	10	9	0.32	0.26	7.4	0.02	15	8	0.35	0.25	7.5	0.05	15	9
7/28	0.43	0.33	7.6	0.10	16	10	0.20	0.15	7.4	0.09	19	10	0.27	0.24	7.5	0.10	16	12	0.30	0.26	7.5	0.09	16	10
8/4	0.24	0.21	7.6	0.10	16	9	0.24	0.20	7.5	0.05	12	9	0.29	0.23	7.6	0.06	9	11	0.30	0.26	7.6	0.10	13	10
8/11	0.33	0.29	7.5	0.01	14	8	0.24	0.20	7.8	0.11	10	9	0.32	0.28	7.4	0.11	13	10	0.30	0.25	7.3	0.08	14	10
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2025 PUMPING AND WASTE REPORT

	Pump age x 1000														
	Well Pumps			Booster Pumps			Well	Booster	Sanitary			Sanitary	Pounds of Chloride		
	Well # 1	Well # 2	Well # 3	Well # 1	Well # 2	Well # 3	Totals	Totals	Well # 1	Well # 3	Well # 4	Totals	Well # 1	Well # 3	Well # 4
Jan-25	13,998	15,642	23,113	13,274	15,455	23,124	52,753	51,853	971	596	1,233	2,800	67,502	49,838	150,461
Feb-25	14,497	13,393	20,315	13,816	13,216	20,302	48,205	47,334	1,001	668	1,112	2,781	71,761	45,107	136,740
Mar-25	18,363	16,539	19,880	17,598	16,351	19,822	54,782	53,771	1,282	784	1,060	3,126	93,210	52,204	129,800
Apr-25	17,052	18,736	19,526	16,254	18,458	19,632	55,314	54,344	1,174	901	1,029	3,104	89,583	59,932	126,488
May-25	19,938	18,643	20,246	18,969	18,412	20,312	58,827	57,693	1,391	885	1,034	3,310	98,888	60,878	127,277
Jun-25	17,393	20,035	22,512	16,582	20,014	22,537	59,940	59,133	1,206	949	1,160	3,315	91,002	61,667	142,575
Jul-25	20,270	20,394	21,267	19,229	20,023	21,678	61,931	60,930	1,411	965	1,123	3,499	103,146	65,610	137,055
Average	17,359	17,626	20,980	16,532	17,418	21,058	55,965	55,008	1,205	821	1,107	3,133	87,870	56,462	135,771
Total	121,511	123,382	146,859	115,722	121,929	147,407	391,752	385,058	8,436	5,748	7,750	21,934	615,092	395,236	950,397



Engineering Department &
Department of Public Works
Monthly Utility Commission
Report for July 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.
- Repaired manhole at 819 Briarwood Ave.
- Installed port cord to sanitary meter at Nestle.

Storm Sewer

- Development site plans were reviewed.
- Street sweeper was sent out weekly.
- Storm manhole repair at Wabash Ave. and Woodland Dr.
- Storm pipe repair by Union Credit Union on Country Road N.
- Inlet repair took place on Wabash Ave., Sheridan Ct., and Pleasantview Ave.

Storm Ponds

- Checked outfalls and cleaned trash racks.

Water

- Repaired water break at 816 Briarwood Ave and 910 Miller Ln.

ENGINEERING NOTES: 2025 Utility Projects – July

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

July 2025 - Utility Installation and Abandonments			
Golden Gate Drive - Phase 2 – Holland Road Utility Extension			
SANITARY SEWER		Installed	Abandoned/Removed
8" PVC Sanitary Main	LF	448.0	None
10" PVC Sanitary Main	LF	1,085.0	None
15" PVC Sanitary Main	LF	175.0	None
4' Sanitary Standard Precast MH	VF (EA)	110.3 (7.0)	None
New 4" PVC Sanitary Laterals	EA	12.0	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 continues, working to the north toward the new Golden Gate Drive. A second Hietpas crew is scheduled to begin working on installation of the new water main on Golden Gate Drive.

Top Priorities for August 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 plans to begin 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.

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.

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.

**VILLAGE OF LITTLE CHUTE
SEWER UTILITY
BUDGET STATUS**

	2025		2024	% Change	\$ Change
	BUDGET	ACTUAL	ACTUAL	from PY	from PY
	Revenue = >	JULY YTD			
REVENUE					
Multi-family Residential	240,882	144,250	133,876	7.75%	10,374
Residential	1,271,421	734,275	689,831	6.44%	44,444
Commercial	276,513	128,786	137,845	-6.57%	(9,059)
Industrial	1,637,661	938,143	842,346	11.37%	95,797
Public Authority	254,921	205,243	252,390	-18.68%	(47,147)
Sales Subtotal	3,681,398	2,150,697	2,056,288	4.6%	94,409
% of CY Budget		58%			
All Other	1,067,806	160,203	174,319	-8.10%	(14,116)
TOTAL REVENUE	4,749,204	2,310,901	2,230,608	3.60%	80,293
% of CY Budget		49%			

	2025		2024		
	BUDGET	ACTUAL	ACTUAL		
	Expense = >	JULY YTD			
EXPENSES					
Financing	266,118	154,500	152,181	1.52%	2,319
Treatment	2,377,400	1,250,121	1,307,484	-4.39%	(57,363)
Collection	271,878	103,014	122,380	-15.82%	(19,366)
Billing	176,817	88,344	84,635	4.38%	3,709
Admin	233,805	143,737	110,693	29.85%	33,044
TOTAL EXPENSE	3,326,018	1,739,716	1,777,373	-2.12%	(37,657)
% of CY Budget		52%			

CASH FLOW -OPERATIONS	1,423,186	571,185	453,235
ADD: DEPRECIATION	255,000	148,750	145,831
ADD: NEW DEBT	-	-	-
LESS: PRINCIPAL PAID	(35,000)	(35,000)	(40,000)
LESS: FIXED ASSETS	(116,128)	(9,025)	(3,015)
NET CASH FLOW	1,527,058	675,910	556,051

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 (July), Nestle (July) and Oh Snap (July).

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 July is a \$10,661 unrealized gain.

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

Treatment is down 14,833,000 gallons in July 2025 YTD vs 2024; however, chlorides are up 1,061,462 lbs. resulting in a net decrease in cost of \$57,363. Administrative expenses are higher due to the Accounts Payable Clerk being fulltime for full seven 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).

VILLAGE OF LITTLE CHUTE 2025 BUDGET

SEWER UTILITY DEBT SCHEDULE

2019 Refunding

	Sanitary		
<u>Year</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
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

	Sanitary		
<u>Year</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
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	% Change	\$ Change
	BUDGET	ACTUAL	ACTUAL	from PY	from PY
	Revenue = >	JULY YTD			
REVENUE					
Multi-family Residential	140,000	82,390	78,349	5.16%	4,041
Residential	930,000	538,803	531,529	1.37%	7,274
Commercial	165,000	92,662	96,181	-3.66%	(3,519)
Industrial	720,000	528,348	408,337	29.39%	120,011
Private Fire	70,000	42,529	42,449	0.19%	80
Public Fire	450,000	251,946	251,250	0.28%	696
Public Authority	45,000	36,540	24,734	47.73%	11,806
Sales Subtotal	2,520,000	1,573,218	1,432,829	9.8%	140,389
% of CY Budget		62%			
All Other	1,003,588	84,604	78,157	8.25%	6,447
TOTAL REVENUE	3,523,588	1,657,822	1,510,986	9.72%	146,836
% of CY Budget		47%			
	Expense = >		2024		
	BUDGET	ACTUAL	ACTUAL		
EXPENSES					
Financing	793,895	456,759	460,674	-0.85%	(3,915)
Wells/Source	109,861	13,642	11,764	15.96%	1,878
Pumping	363,994	179,373	147,708	21.44%	31,665
Treatment	767,558	551,394	419,812	31.34%	131,582
Distribution	897,649	563,400	391,726	43.83%	171,674
Billing	92,702	49,735	42,122	18.07%	7,613
Admin	240,291	123,511	104,267	18.46%	19,244
TOTAL EXPENSE	3,265,950	1,937,814	1,578,073	22.80%	359,741
% of CY Budget		59%			
CASH FLOW -OPERATIONS	257,638	(279,992)	(67,087)		
ADD: DEPRECIATION	530,000	309,050	317,800		
ADD: NEW DEBT	-	-	-		
LESS: PRINCIPAL PAID	(330,682)	(250,682)	(293,463)		
LESS: FIXED ASSETS	(54,631)	(7,503)	(4,481)		
NET CASH FLOW	402,325	(229,127)	(47,231)		

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 July is a \$10,661 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 treatment expense.

Pumping and treatment up due to increased volume, distribution is up 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		
Water				Water			Water		
Year	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		
Water				Water			Water		
Year	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		
Water				Water			Water		
Year	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	% Change	\$ Change
	BUDGET	ACTUAL	ACTUAL	from PY	from PY
	Revenue = >	JULY YTD			
REVENUE					
Multi-family Residential	83,500	48,678	48,805	-0.3%	(127)
Residential	347,000	199,468	200,522	-0.5%	(1,054)
Commercial	580,000	342,911	347,794	-1.4%	(4,883)
Industrial	200,000	118,271	121,018	-2.3%	(2,747)
Public Authority	138,000	81,065	80,949	0.1%	116
Sales Subtotal	1,348,500	790,393	799,088	-1.1%	(8,695)
% of CY Budget		59%			
All Other	2,611,870	129,425	98,158	31.9%	31,267
TOTAL REVENUE	3,960,370	919,818	897,246	2.5%	22,572
% of CY Budget		23%			
	Expense = >		2024		
	BUDGET	ACTUAL	ACTUAL		
EXPENSES					
Financing	583,553	349,829	324,302	7.9%	25,527
Pond Maintenance	205,768	34,523	61,731	-44.1%	(27,208)
Collection	248,765	120,832	116,881	3.4%	3,951
Billing	70,327	37,675	35,143	7.2%	2,532
Admin	252,393	161,129	153,466	5.0%	7,663
TOTAL EXPENSE	1,360,806	703,988	691,523	1.8%	12,465
% of CY Budget		52%			
CASH FLOW -OPERATIONS	2,599,564	215,830	205,723		
ADD: DEPRECIATION	510,000	297,500	291,200		
ADD: NEW DEBT	-	-	-		
LESS: PRINCIPAL PAID	(370,072)	(370,072)	(314,907)		
LESS: FIXED ASSETS	(3,086,936)	(895,597)	(40,565)		
NET CASH FLOW	(347,444)	(752,339)	141,451		

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

2016 Storm Revenue				2010 Clean Water Fund			2019 Refunding		
Storm				Storm			Storm		
Year	Principal	Interest	Total	Principal	Interest	Total	Principal	Interest	Total
2025	84,000.00	28,716.00	112,716.00	26,072.23	3,966.75	30,038.98	100,000.00	6,150.00	106,150.00
2026	84,000.00	27,120.00	111,120.00	26,894.29	3,131.75	30,026.04	105,000.00	3,150.00	108,150.00
2027	84,000.00	25,440.00	109,440.00	27,742.27	2,270.38	30,012.65			-
2028	92,000.00	23,542.00	115,542.00	28,616.98	1,381.89	29,998.87			-
2029	92,000.00	21,426.00	113,426.00	29,519.28	465.37	29,984.65			-
2030	96,000.00	19,168.00	115,168.00						
2031	100,000.00	16,718.00	116,718.00						
2032	100,000.00	14,118.00	114,118.00						
2033	104,000.00	11,364.00	115,364.00						
2034	108,000.00	8,340.00	116,340.00						
2035	112,000.00	5,040.00	117,040.00						
2036	112,000.00	1,680.00	113,680.00						
	1,168,000.00	202,672.00	1,370,672.00	138,845.05	11,216.14	150,061.19	205,000.00	9,300.00	214,300.00

2020 G O Note				2023 G O Note			TOTAL DEBT		
Storm				Storm			Storm		
Year	Principal	Interest	Total	Principal	Interest	Total	Principal	Interest	Total
2025	55,000.00	4,400.00	59,400.00	105,000.00	52,750.00	157,750.00	370,072.23	95,982.75	466,054.98
2026	55,000.00	3,300.00	58,300.00	100,000.00	47,500.00	147,500.00	370,894.29	84,201.75	455,096.04
2027	55,000.00	2,200.00	57,200.00	105,000.00	42,500.00	147,500.00	271,742.27	72,410.38	344,152.65
2028	55,000.00	1,650.00	56,650.00	110,000.00	37,250.00	147,250.00	285,616.98	63,823.89	349,440.87
2029	55,000.00	1,100.00	56,100.00	115,000.00	31,750.00	146,750.00	291,519.28	54,741.37	346,260.65
2030	55,000.00	550.00	55,550.00	120,000.00	26,000.00	146,000.00	271,000.00	45,718.00	316,718.00
2031				125,000.00	20,000.00	145,000.00	225,000.00	36,718.00	261,718.00
2032				135,000.00	13,750.00	148,750.00	235,000.00	27,868.00	262,868.00
2033				140,000.00	7,000.00	147,000.00	244,000.00	18,364.00	262,364.00
2034							108,000.00	8,340.00	116,340.00
2035							112,000.00	5,040.00	117,040.00
2036							112,000.00	1,680.00	113,680.00
	330,000.00	13,200.00	343,200.00	1,055,000.00	278,500.00	1,333,500.00	2,896,845.05	514,888.14	3,411,733.19

UTILITY COMMISSION

August 19, 2025



Utility Bills List

The above payments are recommended for approval on August 19, 2025. \$ 342,532.86

Rejected: _____

UTILITY INVOICES PAID WITH VILLAGE BILLS - JULY 10 - JULY 14, 2025	\$ 19,552.80
UTILITY INVOICES PAID WITH VILLAGE BILLS - JULY 16 - AUGUST 8, 2025	\$ 15,922.16

TOTAL	\$ 378,007.82
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Approved: August 19, 2025 _____
Kevin Coffey, Chairperson

Laurie Decker, Clerk

Report Criteria:

Invoice Detail.GL Account = "620000000000"-"620999999999","610000000000"-"610999999999","630000000000"-"630999999999"

Invoice Detail.Voided = {=} FALSE

Invoice	Description	Total Cost	Period	GL Account
BADGER METER INC				
80206943	ORION CELLULAR LTE SERV UNIT	1,700.79	07/25	620-53904-214
Total BADGER METER INC:		1,700.79		
COMPASS MINERALS AMERICA INC				
1520036	BULK XCS W/S	3,978.31	07/25	620-53634-224
1521891	BULK XCS W/S	3,987.97	07/25	620-53634-224
1522964	BULK XCS W/S	4,008.90	07/25	620-53634-224
1523474	BULK XCS W/S	3,891.37	07/25	620-53634-224
1523475	BULK XCS W/S	4,005.68	07/25	620-53634-224
1523920	BULK XCS W/S	4,004.07	07/25	620-53634-224
1527806	BULK XCS W/S	3,888.15	08/25	620-53634-224
1527807	BULK XCS W/S	3,886.54	08/25	620-53634-224
1527808	BULK XCS W/S	3,847.90	08/25	620-53634-224
1528209	BULK XCS W/S	3,894.59	08/25	620-53634-224
Total COMPASS MINERALS AMERICA INC:		39,393.48		
FERGUSON WATERWORKS LLC #1476				
452921	METER HORN	2,020.96	07/25	620-53644-253
453611	AAV202 FOR I&I CONTROL	336.40	08/25	610-53612-256
453703	HYDRANT	4,430.00	08/25	620-53644-301
454848	WATER SERVICES	1,208.00	08/25	620-53644-252
454848	MAINS	1,869.61	08/25	620-53644-251
Total FERGUSON WATERWORKS LLC #1476:		9,864.97		
HAWKINS INC				
7140318	AZONE	954.37	07/25	620-53634-214
7140318	SODIUM SILICATE	4,816.57	07/25	620-53634-220
7161453	SODIUM SILICATE	5,315.18	08/25	620-53634-220
7161453	CHLORINE	1,089.57	08/25	620-53634-214
Total HAWKINS INC:		12,175.69		
HEART OF THE VALLEY				
73125	FOG CONTROL	120.00	07/25	610-53611-204
73125	WASTEWATER	198,598.14	07/25	610-53611-225
73125MP	HOV METER PAYABLE	1,552.00	07/25	610-21110
Total HEART OF THE VALLEY:		200,270.14		
MCO				
32003	HEALTH & LIABILITY INS	41,086.40	08/25	620-53644-115
Total MCO:		41,086.40		
MENARDS - APPLETON EAST				
78629	INSULATION	65.94	08/25	620-53644-251
Total MENARDS - APPLETON EAST:		65.94		

Invoice	Description	Total Cost	Period	GL Account
NESTLE USA INC				
73025 SEWER MET	SEWER METER REIMBURSEMENT	36,192.03	08/25	610-53612-301
Total NESTLE USA INC:		36,192.03		
NORTHERN LAKE SERVICE INC				
2511486	WATER SAMPLES	534.18	07/25	620-53644-204
Total NORTHERN LAKE SERVICE INC:		534.18		
PETERS CONCRETE COMPANY				
2255423	WATER SERVICE	805.50	08/25	620-53644-252
Total PETERS CONCRETE COMPANY:		805.50		
POSTAL EXPRESS & MORE LLC				
267928	POSTAGE-WATER TESTS	19.96	08/25	620-53644-204
268099	POSTAGE-WATER TESTS	20.16	08/25	620-53644-204
Total POSTAL EXPRESS & MORE LLC:		40.12		
USA BLUEBOOK				
777443	WATER TESTING SUPPLIES	403.62	07/25	620-53644-204
Total USA BLUEBOOK:		403.62		
Grand Totals:		342,532.86		

Report GL Period Summary

Vendor number hash: 75081
Vendor number hash - split: 79418
Total number of invoices: 27
Total number of transactions: 31

Terms Description	Invoice Amount	Net Invoice Amount
Open Terms	342,532.86	342,532.86
Grand Totals:	342,532.86	342,532.86

Report Criteria:

Invoice Detail.GL Account = "620000000000"- "620999999999", "610000000000"- "610999999999", "630000000000"- "630999999999"

Invoice Detail.Voided = {=} FALSE

Report Criteria:

Invoice Detail.GL Account = "62000000000"- "62099999999","61000000000"- "61099999999","63000000000"- "63099999999"

Invoice Detail.Voided = {=} FALSE

Invoice	Description	Total Cost	Period	GL Account
KAUKAUNA UTILITIES				
JULY 2025	PUMP STATION JEFFERSON ST	1,879.18	07/25	620-53624-249
JULY 2025	#4 WELL EVERGREEN DRIVE	7,434.74	07/25	620-53624-249
JULY 2025	#3 WELL WASHINGTON ST	4,426.97	07/25	620-53624-249
JULY 2025	STEPHEN ST TOWER/LIGHTING	58.40	07/25	620-53624-249
JULY 2025	DOYLE PARK WELL	5,200.29	07/25	620-53624-249
JULY 2025	1800 STEPHEN ST STORM	553.22	07/25	630-53441-249
Total KAUKAUNA UTILITIES:		19,552.80		
Grand Totals:		19,552.80		

Report GL Period Summary

Vendor number hash: 234
Vendor number hash - split: 1404
Total number of invoices: 1
Total number of transactions: 6

Terms Description	Invoice Amount	Net Invoice Amount
Open Terms	19,552.80	19,552.80
Grand Totals:	19,552.80	19,552.80

Report Criteria:

Invoice Detail.GL Account = "620000000000"."620999999999"."610000000000"."610999999999"."630000000000"."630999999999"

Invoice Detail.Voided = {=} FALSE

Invoice	Description	Total Cost	Period	GL Account
AT&T				
92078873810725	JUL/AUG SERVICE	341.20	07/25	620-53924-203
Total AT&T:		341.20		
AT&T LONG DISTANCE				
8456268570625	MAY/JUN CHARGES	2.10	06/25	620-53924-203
Total AT&T LONG DISTANCE:		2.10		
BATTERIES PLUS LLC				
P83978182	INDUSTRIAL POND BACK UP BATTERIE	22.95	07/25	630-53441-218
Total BATTERIES PLUS LLC:		22.95		
CELLCOM				
941652	STORM I-PADS	15.77	07/25	630-53442-218
941652	SANITARY SEWER I-PAD	15.77	07/25	610-53612-218
Total CELLCOM:		31.54		
COMPASS MINERALS AMERICA INC				
1518766	BULK XCS W/S	3,854.34	07/25	620-53634-224
Total COMPASS MINERALS AMERICA INC:		3,854.34		
FEHR GRAHAM & ASSOCIATES				
132063	ANNUAL SAFETY REQUIREMENTS	883.00	07/25	610-53614-213
132063	ANNUAL SAFETY REQUIREMENTS	883.00	07/25	630-53444-213
Total FEHR GRAHAM & ASSOCIATES:		1,766.00		
GARROW OIL				
438111 & 438910	FUEL	5.53	06/25	630-53442-247
438111 & 438910	FUEL	6.84	06/25	610-53612-247
438111 & 438910	FUEL	19.10	06/25	620-53644-247
Total GARROW OIL:		31.47		
GINGRAS, BRADFORD				
1113	DPW STAFF TRAINING	676.30	07/25	610-53614-201
Total GINGRAS, BRADFORD:		676.30		
LAZER UTILITY LOCATING LLC				
2127	SANITARY LOCATES	286.00	06/25	610-53612-209
2127	STORM LOCATES	451.00	06/25	630-53442-209
2127	WATER LOCATES	1,155.00	06/25	620-53644-209
Total LAZER UTILITY LOCATING LLC:		1,892.00		
MCC INC				
372522	MT GRADE 5	408.00	07/25	610-53612-251

Invoice	Description	Total Cost	Period	GL Account
372522	MT GRADE 5	408.00	07/25	620-53644-251
372522	MT GRADE 5	204.00	07/25	630-53442-251
Total MCC INC:		1,020.00		
MULCAHY SHAW WATER				
326867	TIENET 306 SAMPLER INTERFACE	963.00	07/25	610-53612-301
Total MULCAHY SHAW WATER:		963.00		
OUTAGAMIE COUNTY TREASURER				
1021876	FUEL BILL - JUNE	14.51	07/25	630-53441-247
1021876	FUEL BILL - JUNE	1,005.87	07/25	630-53442-247
1021876	FUEL BILL - JUNE	120.53	07/25	610-53612-247
1021876	FUEL BILL - JUNE	302.07	07/25	620-53644-247
38037	STREET SWEEPINGS	888.63	06/25	630-53442-204
38037	WATER BREAKS	83.50	06/25	620-53644-251
Total OUTAGAMIE COUNTY TREASURER:		2,415.11		
PETERS CONCRETE COMPANY				
2255117	STORM COLLECTION REPAIR	501.00	07/25	630-53442-216
2255117	REPLACEMENT OF SIDEWALK	334.00	07/25	620-53644-254
Total PETERS CONCRETE COMPANY:		835.00		
POSTAL EXPRESS & MORE LLC				
267352	POSTAGE-WATER TESTS	19.34	07/25	620-53644-204
Total POSTAL EXPRESS & MORE LLC:		19.34		
PRIMADATA LLC				
AUGUST 2025	POSTCARD POSTAGE	350.00	08/25	610-53613-226
AUGUST 2025	POSTCARD POSTAGE	350.00	08/25	620-53904-226
AUGUST 2025	POSTCARD POSTAGE	350.00	08/25	630-53443-226
Total PRIMADATA LLC:		1,050.00		
SWINKLES TRUCKING & EXCAVATING CORP				
66144	PULVERIZED TOPSOIL	48.12	07/25	630-53442-216
Total SWINKLES TRUCKING & EXCAVATING CORP:		48.12		
U.S. BANK				
49100725	UW CE REGISTRATION CENTER - 2025 WATER ON	100.00	07/25	620-53924-201
49100725	AMAZON - SANITARY SEWER TELEVISION FLASH	16.87	07/25	610-53612-251
Total U.S. BANK:		116.87		
VERIZON WIRELESS				
6118493592	JUNE/JULY SERVICE	81.43	07/25	620-53924-203
Total VERIZON WIRELESS:		81.43		
VILLAGE OF LITTLE CHUTE				
JULY 2025	PUMP STATION JEFFERSON ST	37.75	07/25	620-53624-249
JULY 2025	#3 WELL WASHINGTON ST	12.38	07/25	620-53624-249

Invoice	Description	Total Cost	Period	GL Account
JULY 2025	625 E EVERGREEN DR	156.94	07/25	620-53624-249
JULY 2025	1200 STEPHEN ST - WATER TOWER	29.70	07/25	620-53624-249
JULY 2025	3609 FREEDOM RD-WATER/SEWER	18.15	07/25	630-53441-249
Total VILLAGE OF LITTLE CHUTE:		254.92		
WE ENERGIES				
5538781436	PLANT #1 (100 WILSON ST)	9.57	06/25	620-53624-249
5538781436	PUMP STATION @ EVERGREEN & FRENCH	150.51	06/25	620-53624-249
5538781436	920 WASHINGTON ST	9.57	06/25	620-53624-249
5538781436	LC WELL #4 PUMPHOUSE 625 E EVERGREEN	12.44	06/25	620-53624-249
5538781436	PLANT #2 1118 JEFFERSON ST	9.57	06/25	620-53624-249
5576667691	PLANT #1 (100 WILSON ST)	11.22	07/25	620-53624-249
5576667691	PUMP STATION @ EVERGREEN & FRENCH	261.14	07/25	620-53624-249
5576667691	920 WASHINGTON ST	11.22	07/25	620-53624-249
5576667691	LC WELL #4 PUMPHOUSE 625 E EVERGREEN	14.34	07/25	620-53624-249
5576667691	PLANT #2 1118 JEFFERSON ST	10.89	07/25	620-53624-249
Total WE ENERGIES:		500.47		
Grand Totals:		15,922.16		

Report GL Period Summary

Vendor number hash: 74648
Vendor number hash - split: 156318
Total number of invoices: 22
Total number of transactions: 50

Terms Description	Invoice Amount	Net Invoice Amount
Open Terms	15,922.16	15,922.16
Grand Totals:	15,922.16	15,922.16

Report Criteria:

Invoice Detail.GL Account = "620000000000"."620999999999","610000000000"."610999999999","630000000000"."630999999999"
Invoice Detail.Voided = {=} FALSE