

## FLOW AND STRENGTH PROJECTIONS

MONTH: May 2026

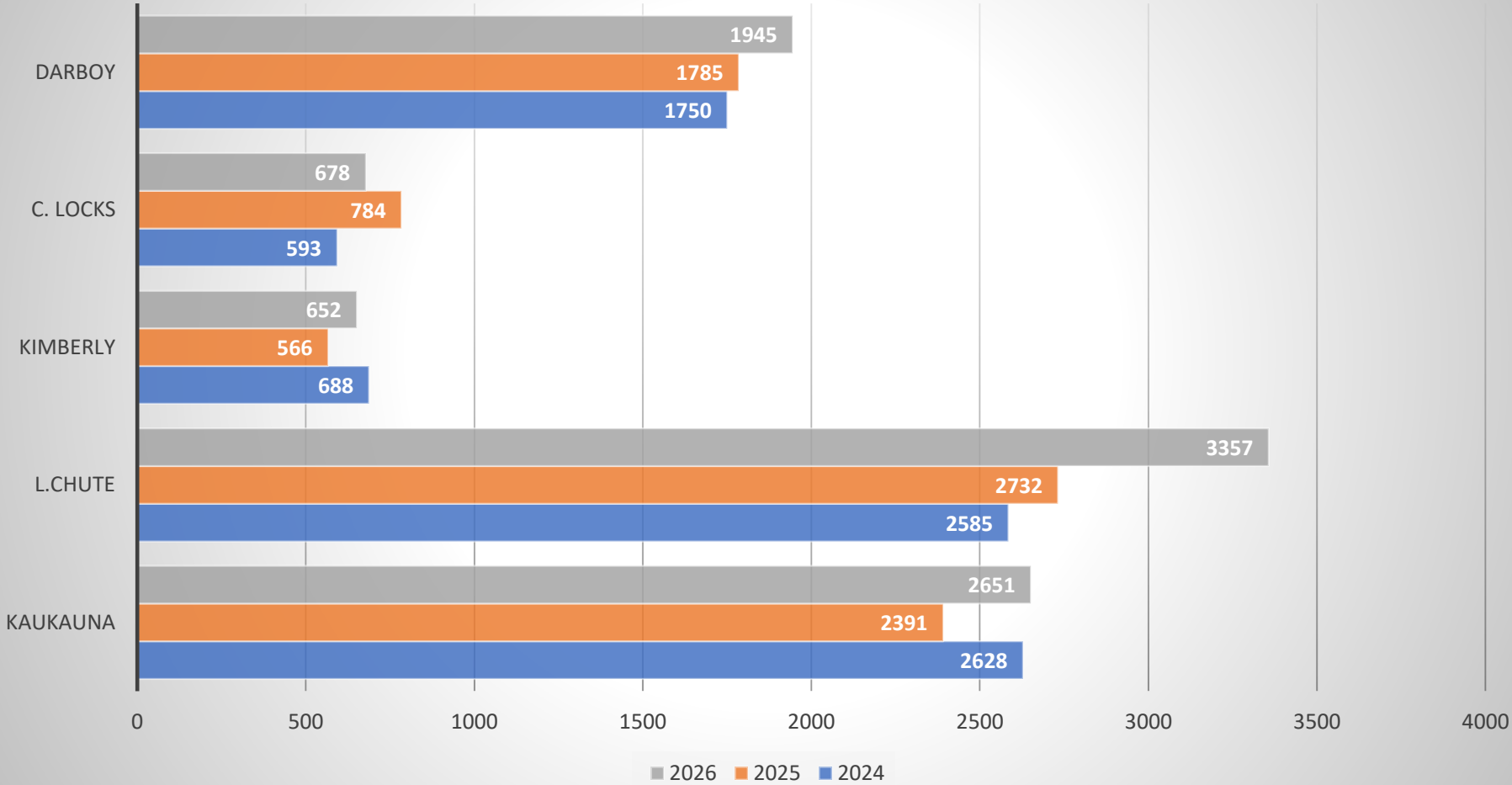
	<u>PROJECTED</u>	<u>ACTUAL</u>	<u>DIFFERENCE</u>	<u>PROJECTED INCOME FOR MONTH</u>	<u>ACTUAL INCOME FOR MONTH</u>	<u>SURPLUS OR DEFICIT</u>
FLOW (GALLONS)	242,198,000	223,232,700	-18,965,300	\$ 225,728.54	\$ 208,052.88	\$ (17,675.66)
B.O.D. (#s)	403,141	429,869	26,728	\$ 55,633.46	\$ 59,321.92	\$ 3,688.46
S. SOLIDS (#s)	404,384	471,278	66,894	\$ 89,773.25	\$ 104,623.72	\$ 14,850.47
PHOSPHORUS (#s)	7,979	9,636	1,657	\$ 71,803.02	\$ 86,714.36	\$ 14,911.34
AMMONIA-N (#s)	41,221	42,538	1,317	\$ 24,526.50	\$ 25,310.11	\$ 783.62
CHLORIDES (#s)	1,165,061	1,438,652	273,591	\$ 13,980.73	\$ 17,263.82	\$ 3,283.09
			<b>TOTAL:</b>	\$ 481,445.49	\$ 501,286.81	\$ 19,841.32

(THRU MAY 2026)

PROJECTED FOR 2026

	<u>END OF YEAR PROJECTED</u>	<u>YEAR TO DATE SURPLUS/ DEFICIT</u>	<u>YEAR TO DATE SURPLUS/ DEFICIT \$\$</u>
FLOW (GALLONS)	2,301,369,933	118,137,267	\$ 110,103.93
B.O.D. (#s)	5,484,285	-39,659	\$ (5,472.94)
S. SOLIDS (#s)	4,877,973	241,526	\$ 53,618.77
PHOSPHORUS (#s)	94,940	7,939	\$ 71,443.06
AMMONIA-N (#s)	666,440	6,556	\$ 3,900.82
CHLORIDES (#s)	11,252,829	1,093,901	\$ 13,126.81
		<b>TOTAL:</b>	\$ 246,720.46

# Phosphorus Monthly Average Pounds



**RAW INFLUENT STRENGTH ( Heart of the Valley Metropolitan Sewerage Facility)**

**May 2026**

MONTH	FLOW		TSS			BOD			TOTAL PHOSPHORUS			AMMONIA			CHLORIDE		
	Million * Gallons	Avg MGD	Avg mg/L	Avg #/day	Total #/Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month
Jan	195.1	6.3	191	10,044	301,141	207	10,854	326,560	5.57	293	9,104	29.1	1527	46,377	827	43,402	1,336,673
Feb	169.9	6.1	203	10,280	277,929	200	10,102	275,464	5.90	298	8,139	29.2	1476	40,090	890	45,038	1,255,522
Mar	285.6	9.2	150	11,528	341,852	134	10,328	298,925	3.97	305	8,490	20.0	1538	41,973	740	56,861	1,750,194
Apr	375.7	12.5	139	14,551	389,393	118	12,325	328,049	3.20	334	8,829	14.1	1474	39,548	554	57,840	1,595,250
May	217.1	7.0	202	11,807	363,536	186	10,839	335,041	4.66	272	8,169	24.5	1431	44,402	785	45,819	1,412,126
Jun																	
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
<b>Average</b>	248.7	8.2	177	11,642	334,770	169	10,890	312,808	4.66	300	8,546	23.4	1,489	42,478	759	49,792	1,469,953
<b>Yearly Total</b>	1,243.3				1,673,851			1,564,040			42,731			212,391			7,349,765
*Includes Hauled Waste																	
[Plant Design Capacity] =			8.5		13,565		12,209			339			1,600				
(Hauled Waste Gallons)= 284,090																	
[Max Design Capacity] =			11.9		16,278		14,651			407			1,920				
May % of Capacity =			59%		73%		74%			67%			75%				
May Max Daily Flow =			9.54														
May Min Daily Flow =			5.798														

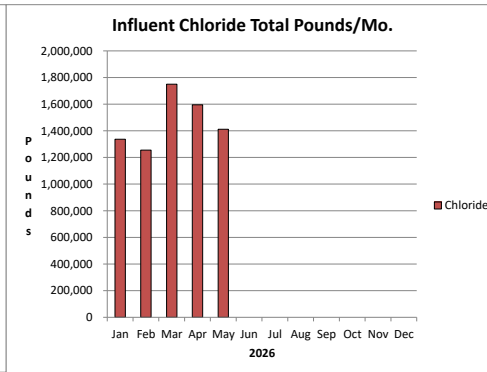
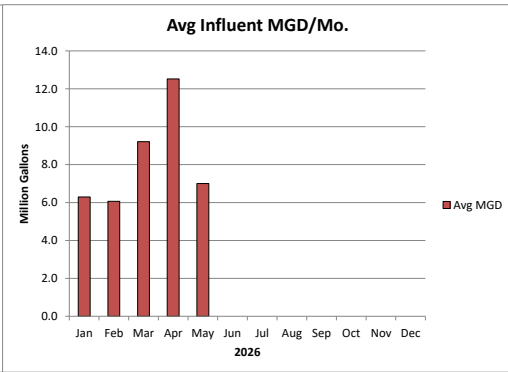
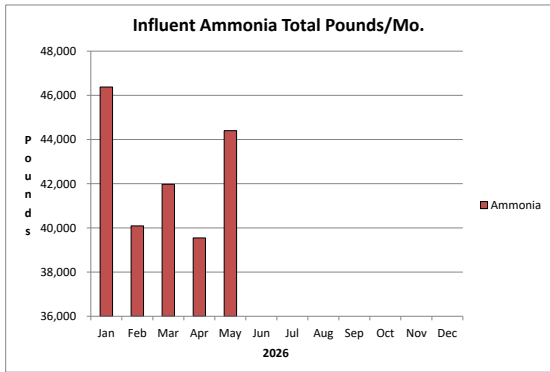
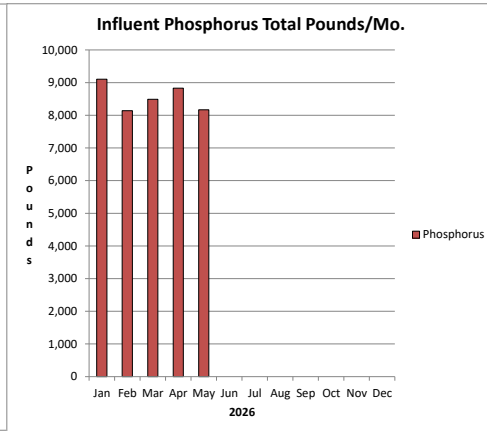
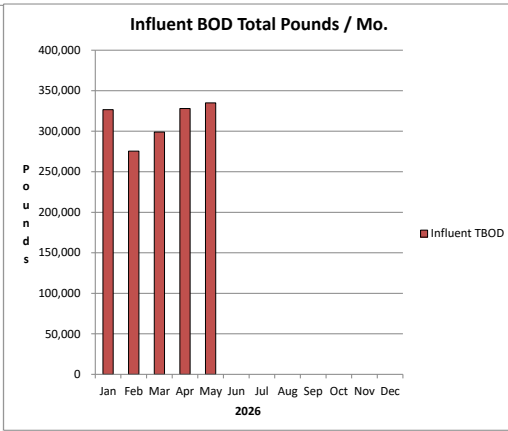
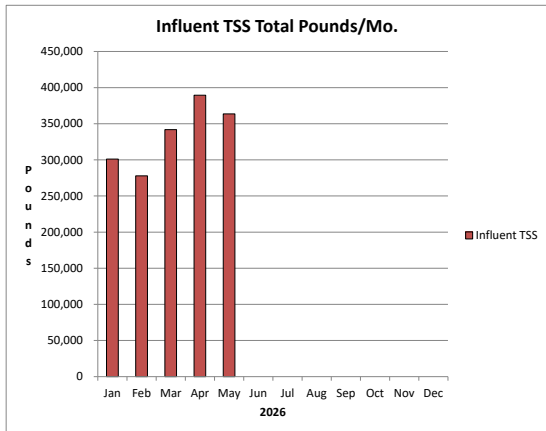
**EFFLUENT QUALITY**

MONTH	FLOW		TSS			BOD			TOTAL PHOSPHORUS			AMMONIA			CHLORIDE	
	Million Gallons	Avg MGD	Avg mg/L	Avg #/day	Total #/Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	Avg #/day	Total # Month	Avg mg/L	
Jan	114.0	3.7	3.6	111	3,432	4.4	135	4,136	0.30	9.2	273	0.48	14.8	429	819	
Feb	95.0	3.4	5.7	161	4,143	3.3	94	2,542	0.23	6.6	171	0.33	9.4	232	890	
Mar	195.4	6.3	3.8	198	5,587	4.3	227	7,093	0.14	7.3	219	0.19	10.0	224	733	
Apr	342.2	11.4	6.2	586	20,203	5.0	475	15,629	0.13	12.4	380	0.27	25.2	749	567	
May	148.7	4.8	4.6	182	5,632	4.9	195	5,734	0.19	7.5	233	0.32	12.7	409	788	
Jun																
Jul																
Aug																
Sep																
Oct																
Nov																
Dec																
<b>Average</b>	179.0	5.9	4.8	248	7,799	4.4	225.1	7,027	0.20	8.6	255.2	0.32	14.4	408.7	759	
<b>Yearly Total</b>	895.2				38,996			35,134			1,276			2,043.4		
Effluent Gallons to Fox Energy (May)				May Avg #'s					6 mo. Avg #'s	7.59	May-Oct					
WEEK 1				228												
WEEK 2				186												
WEEK 3				183												
WEEK 4				152												
Million Gallons			68.39	32%												

Monthly Avg Limit	
Jan- March	10 mg/L
April-May	11 mg/L
June-Sept	4.4 mg/L
Oct- Dec	18 mg/L

{PERMIT LIMITS (WDNR) →

Monthly (Avg)	700#	Monthly Avg	30 mg/L	Monthly Avg	31.5#
Weekly (Avg)	1100#	Weekly Avg	45 mg/L	6 mo Avg	10.5#
Daily Max (mg/L)	30			Daily Max mg/L	1.0



# RAIN GAUGES

## DAILY RAINFALL TOTALS

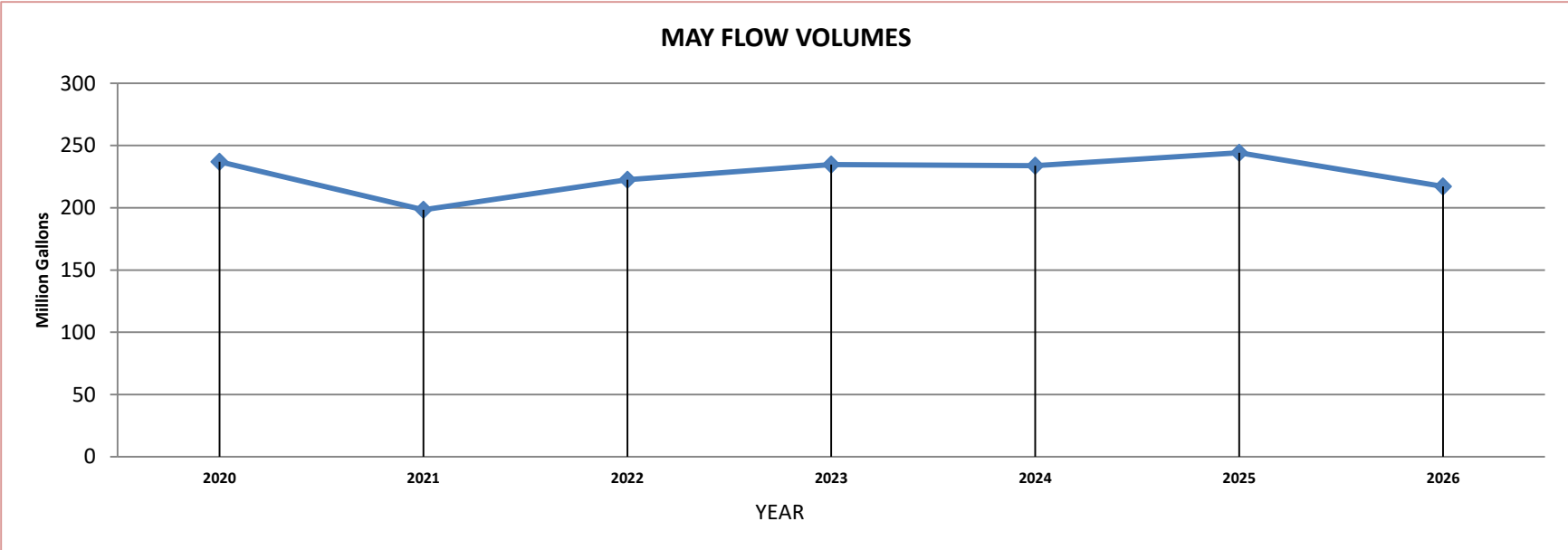
MONTH: MAY

YEAR: 2026

<u>DATE</u>	<u>PLANT</u> <u>INCHES</u>	<u>KAUKAUNA</u> <u>INCHES</u>	<u>LITTLE CHUTE</u> <u>INCHES</u>	<u>KIMBERLY</u> <u>INCHES</u>	<u>DARBOY</u> <u>INCHES</u>
1	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00
12	0.14	0.16	0.18	0.16	0.14
13	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00
16	0.09	0.09	0.11	0.12	0.12
17	1.09	1.00	1.22	1.14	1.11
18	0.01	0.01	0.01	0.01	0.02
19	0.05	0.06	0.06	0.04	0.05
20	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00
24	0.04	0.03	0.03	0.04	0.04
25	0.00	0.00	0.00	0.00	0.00
26	0.50	0.47	0.51	0.47	0.35
27	0.00	0.00	0.00	0.01	0.00
28	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00
<b>TOTAL:</b>	1.92	1.82	2.12	1.99	1.83

# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

<u>Year</u>	<u>May Flow Million Gallons</u>	<u>Precipitation Inches</u>
2020	236.946	4.82
2021	198.367	2.71
2022	222.500	2.40
2023	234.764	0.83
2024	233.924	4.03
2025	244.190	2.22
2026	217.062	1.94

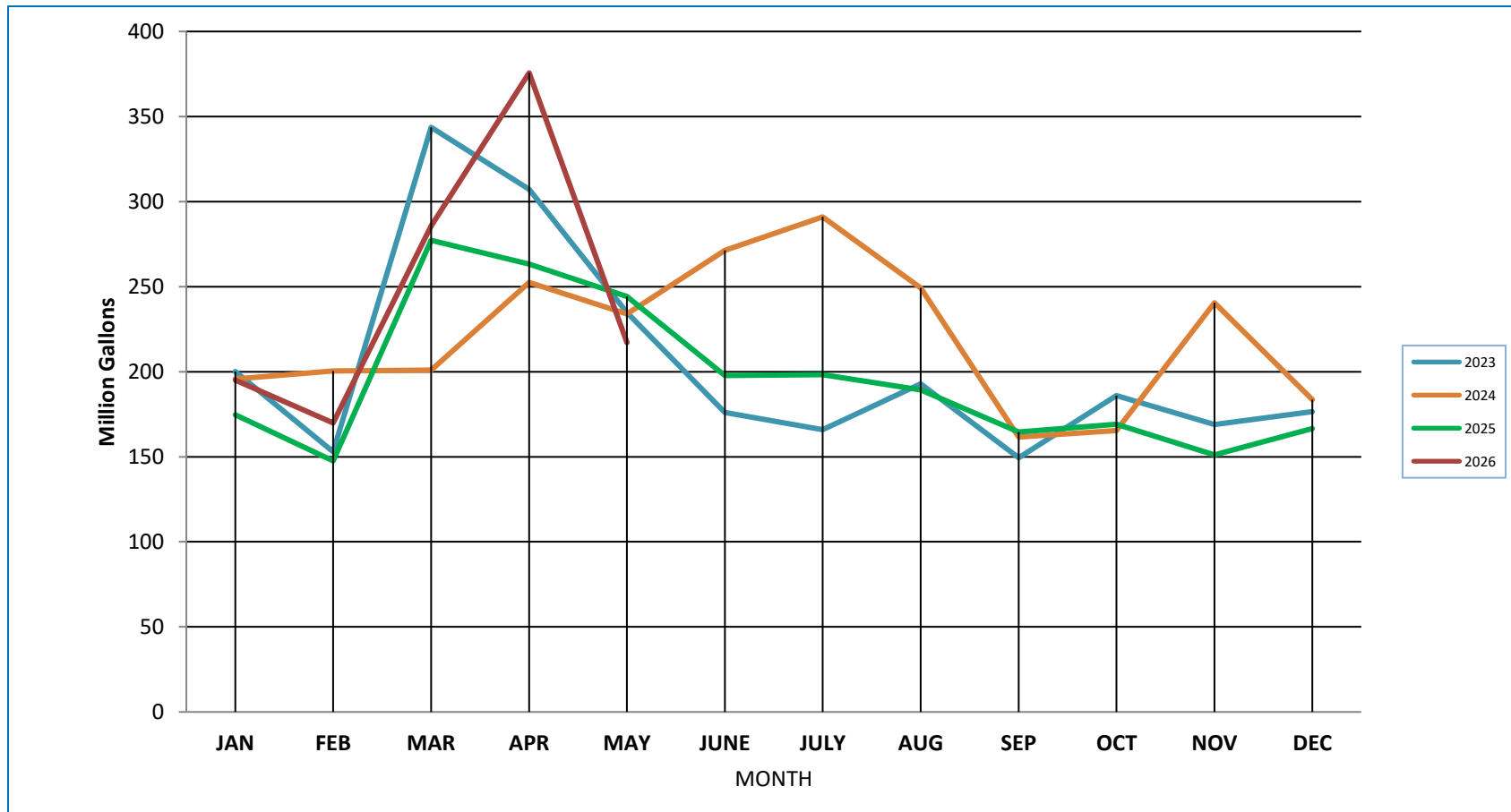


# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUNE</u>	<u>JULY</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>
<b>2023</b>	200.088	152.933	343.638	307.249	234.764	176.104	165.991	192.923	149.417	186.008	168.941	176.546
<b>2024</b>	195.683	200.450	200.988	252.403	233.924	271.340	290.988	249.275	161.595	165.387	240.445	183.552
<b>2025</b>	174.698	147.585	277.239	263.313	244.19	197.729	198.341	189.303	164.514	169.082	151.073	166.618
<b>2026</b>	195.094	169.895	285.614	375.657	217.062							

\*\*\* FLOW VOLUMES REPORTED IN MILLION GALLONS \*\*\*

## PLANT MONTHLY FLOW VOLUMES



# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

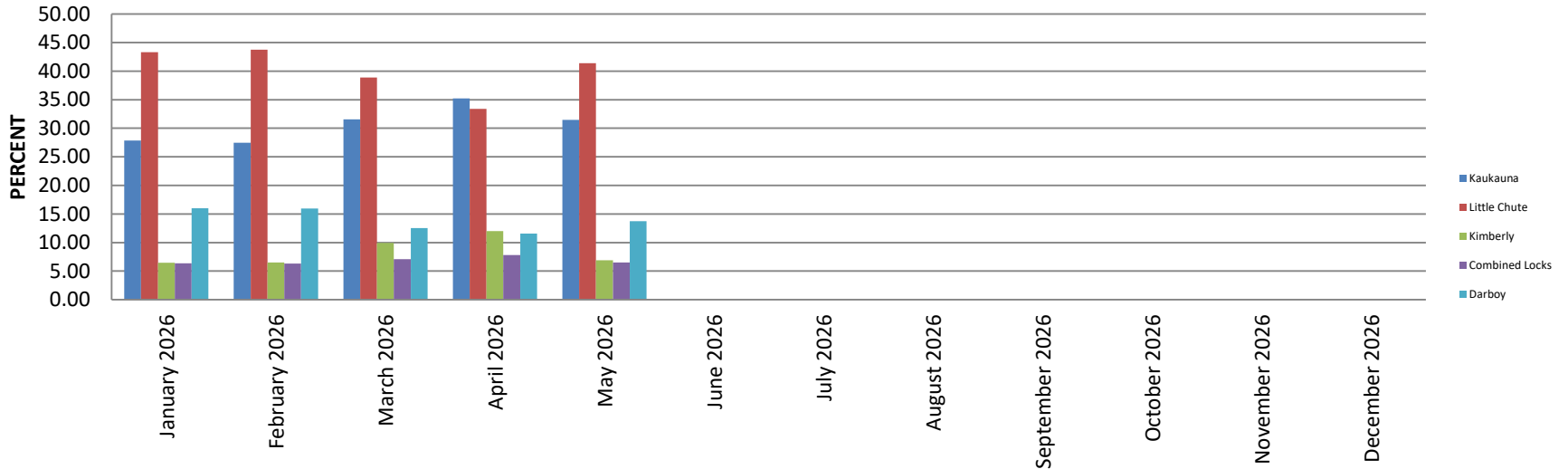
## % CONTRIBUTION BY COMMUNITY - FLOW GALLONS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>	<u>Rainfall - Inches</u>
January 2026	27.84	43.32	6.46	6.37	16.01	
February 2026	27.47	43.75	6.50	6.32	15.97	
March 2026	31.56	38.91	9.92	7.09	12.51	1.50
April 2026	35.22	33.38	12.02	7.82	11.55	6.74
May 2026	31.45	41.37	6.91	6.51	13.76	1.94
June 2026						
July 2026						
August 2026						
September 2026						
October 2026						
November 2026						
December 2026						

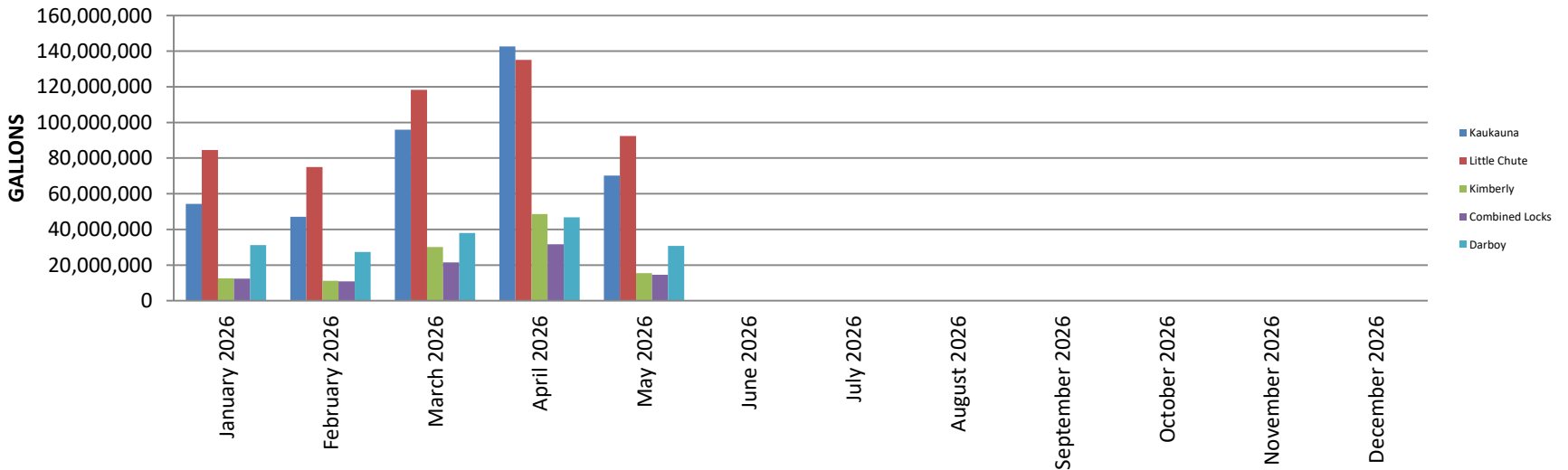
## GALLONS CONTRIBUTION BY COMMUNITY - FLOW GALLONS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2026	54,349,200	84,575,000	12,605,000	12,446,000	31,268,000
February 2026	47,045,800	74,929,000	11,127,000	10,823,000	27,352,000
March 2026	95,919,000	118,250,000	30,140,000	21,554,000	38,025,000
April 2026	142,609,000	135,151,000	48,686,000	31,680,000	46,773,000
May 2026	70,215,700	92,348,000	15,421,000	14,536,000	30,712,000
June 2026					
July 2026					
August 2026					
September 2026					
October 2026					
November 2026					
December 2026					

## % CONTRIBUTION BY COMMUNITY - FLOW GALLONS



## GALLONS CONTRIBUTION BY COMMUNITY - FLOW GALLONS



# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

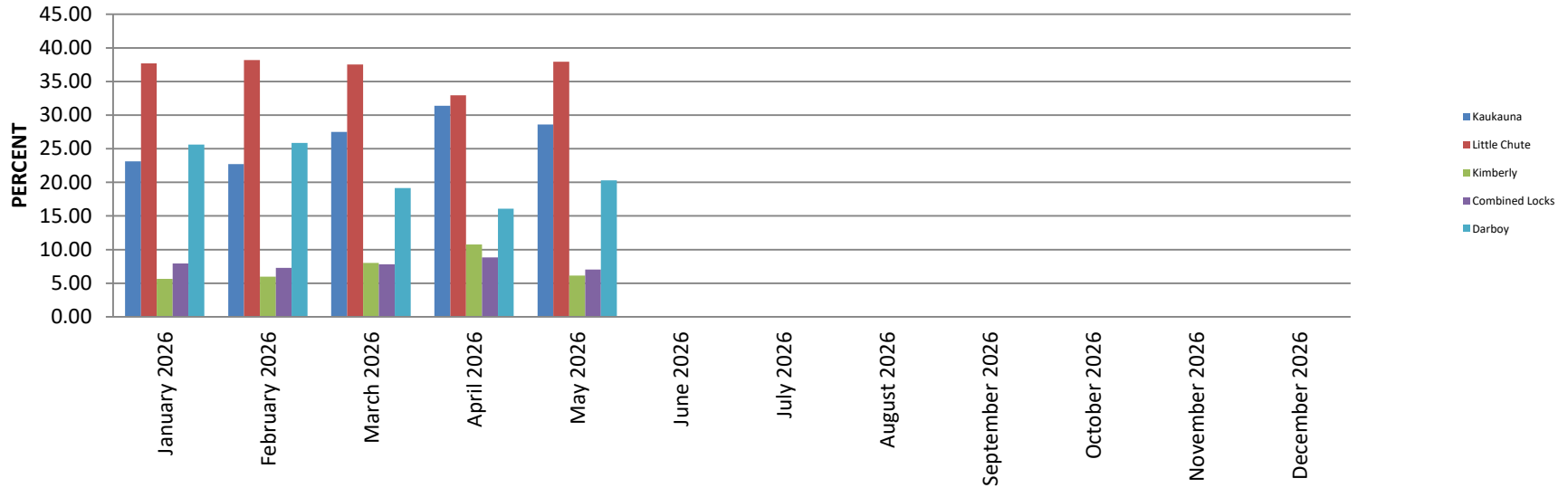
## % CONTRIBUTION BY COMMUNITY - B.O.D. POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2026	23.13	37.68	5.65	7.93	25.61
February 2026	22.70	38.18	5.96	7.30	25.85
March 2026	27.51	37.54	8.00	7.81	19.14
April 2026	31.39	32.93	10.77	8.84	16.07
May 2026	28.59	37.93	6.14	7.02	20.31
June 2026					
July 2026					
August 2026					
September 2026					
October 2026					
November 2026					
December 2026					

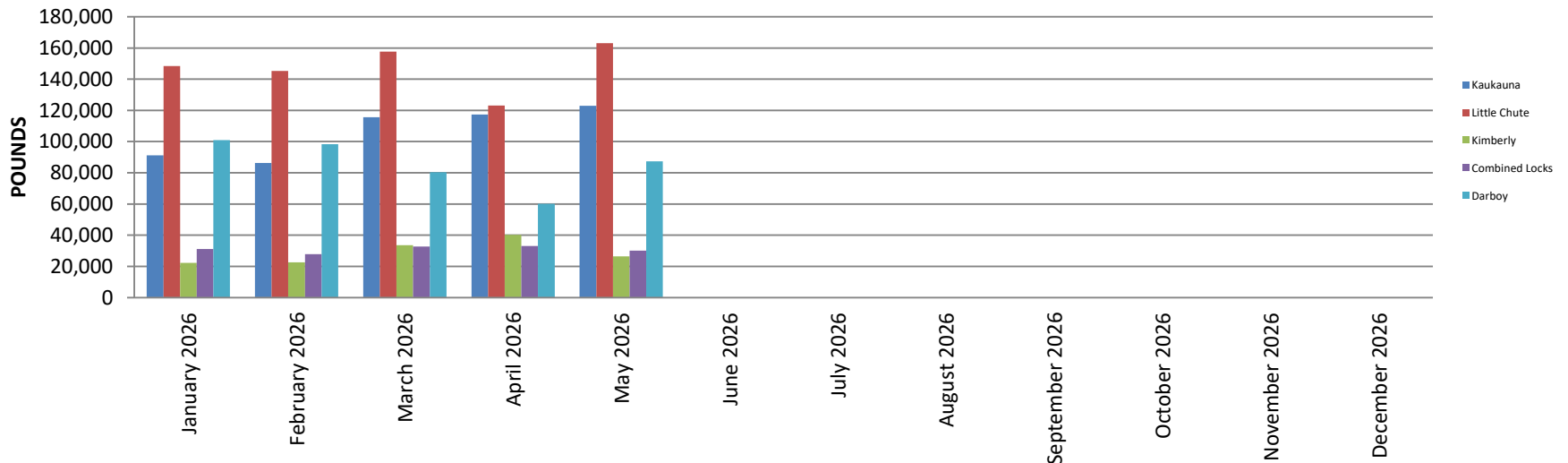
## POUNDS CONTRIBUTION BY COMMUNITY - B.O.D. POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2026	91,125	148,479	22,262	31,230	100,916
February 2026	86,369	145,240	22,691	27,775	98,334
March 2026	115,541	157,660	33,609	32,813	80,392
April 2026	117,329	123,065	40,255	33,031	60,059
May 2026	122,906	163,067	26,400	30,188	87,308
June 2026					
July 2026					
August 2026					
September 2026					
October 2026					
November 2026					
December 2026					

### % CONTRIBUTION BY COMMUNITY - B.O.D. POUNDS



### POUNDS CONTRIBUTION BY COMMUNITY - B.O.D. POUNDS



# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

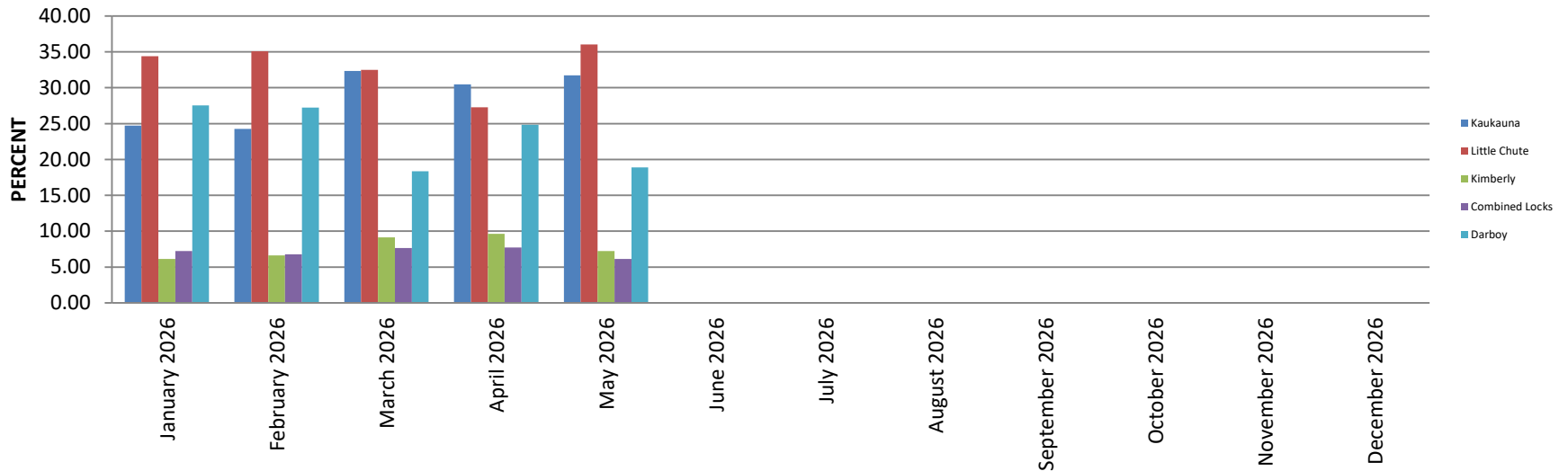
## % CONTRIBUTION BY COMMUNITY -TOTAL SUSPENDED SOLIDS POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2026	24.71	34.40	6.11	7.24	27.54
February 2026	24.28	35.10	6.64	6.76	27.23
March 2026	32.35	32.50	9.14	7.66	18.36
April 2026	30.48	27.29	9.65	7.73	24.85
May 2026	31.72	36.05	7.22	6.12	18.89
June 2026					
July 2026					
August 2026					
September 2026					
October 2026					
November 2026					
December 2026					

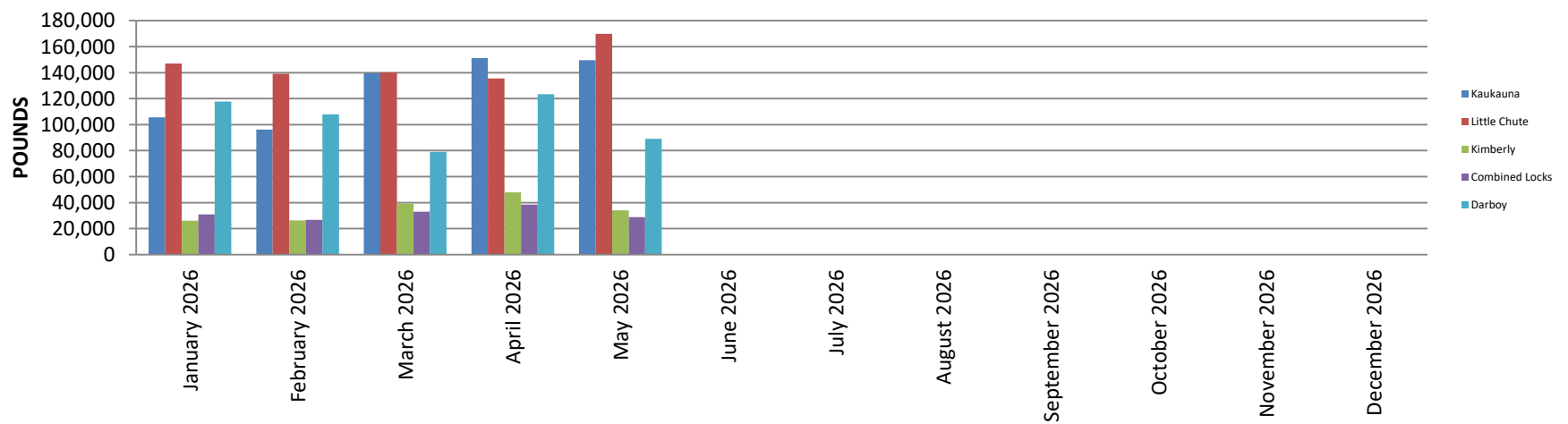
## POUNDS CONTRIBUTION BY COMMUNITY - TOTAL SUSPENDED SOLIDS POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2026	105,678	147,080	26,142	30,951	117,740
February 2026	96,229	139,104	26,301	26,776	107,941
March 2026	139,455	140,101	39,414	33,014	79,158
April 2026	151,305	135,497	47,903	38,376	123,358
May 2026	149,492	169,886	34,030	28,837	89,033
June 2026					
July 2026					
August 2026					
September 2026					
October 2026					
November 2026					
December 2026					

### % CONTRIBUTION BY COMMUNITY -TOTAL SUSPENDED SOLIDS POUNDS



### POUNDS CONTRIBUTION BY COMMUNITY - TOTAL SUSPENDED SOLIDS POUNDS



# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

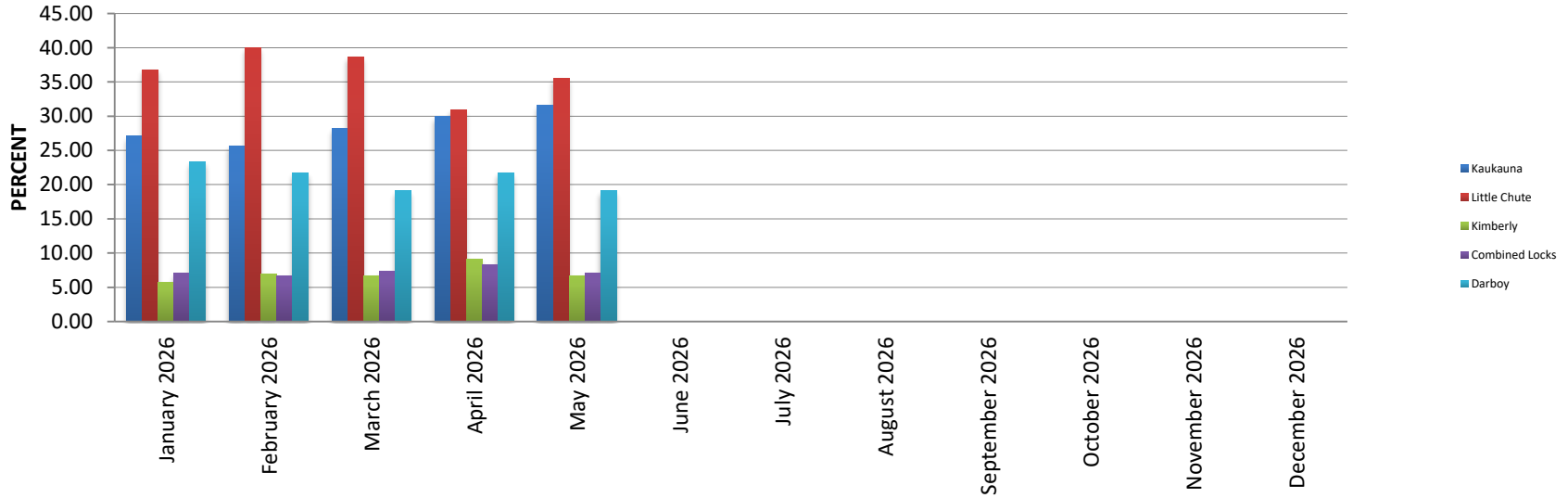
## % CONTRIBUTION BY COMMUNITY - PHOSPHORUS POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2026	27.06	36.75	5.76	7.05	23.38
February 2026	25.61	39.97	6.97	6.72	21.73
March 2026	28.27	38.69	6.65	7.30	19.09
April 2026	29.91	30.94	9.09	8.31	21.76
May 2026	31.61	35.54	6.65	7.10	19.10
June 2026					
July 2026					
August 2026					
September 2026					
October 2026					
November 2026					
December 2026					

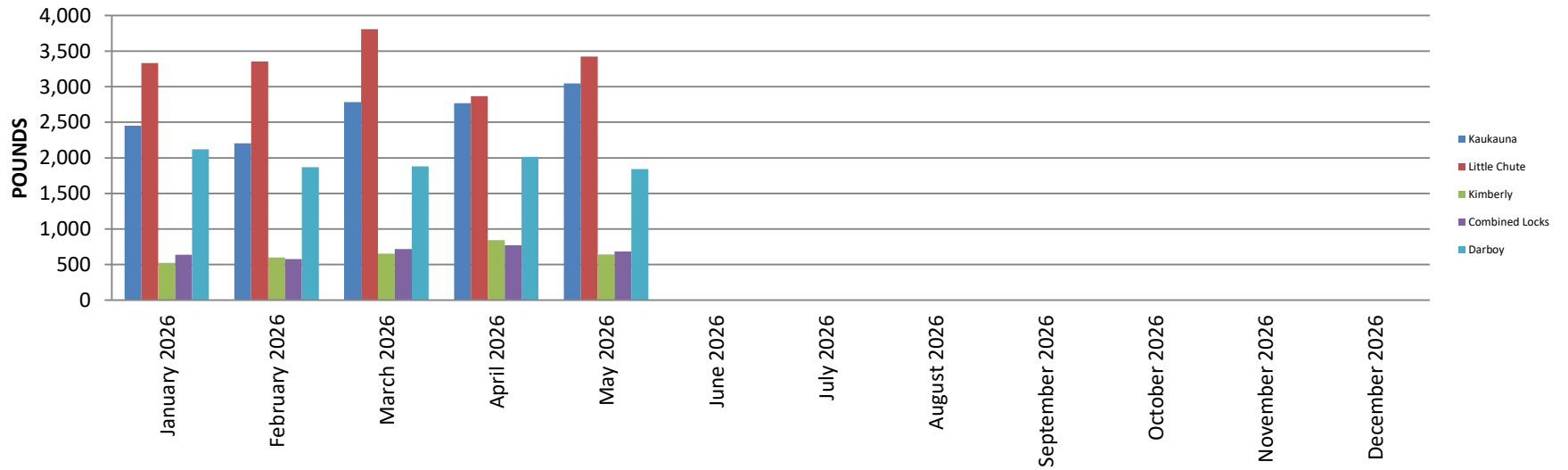
## POUNDS CONTRIBUTION BY COMMUNITY - PHOSPHORUS POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2026	2,452	3,331	522	639	2,119
February 2026	2,204	3,354	600	578	1,870
March 2026	2,783	3,809	655	719	1,879
April 2026	2,770	2,865	842	769	2,015
May 2026	3,046	3,425	641	684	1,841
June 2026					
July 2026					
August 2026					
September 2026					
October 2026					
November 2026					
December 2026					

### % CONTRIBUTION BY COMMUNITY - PHOSPHORUS POUNDS



### POUNDS CONTRIBUTION BY COMMUNITY - PHOSPHORUS POUNDS



# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

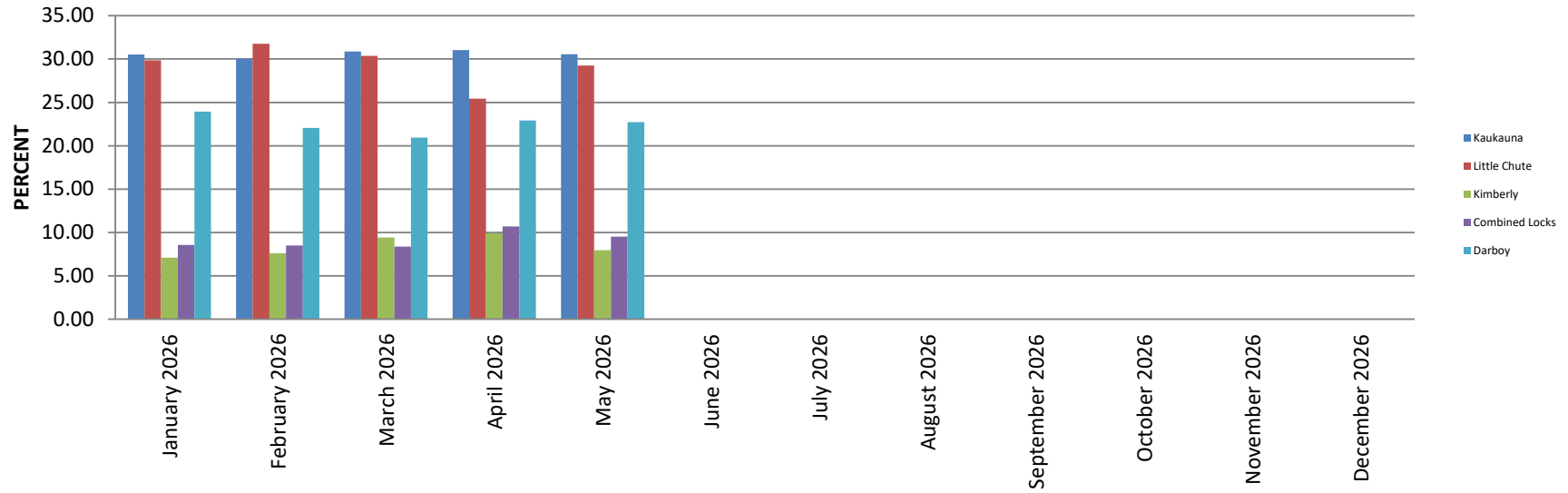
## % CONTRIBUTION BY COMMUNITY - AMMONIA POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2026	30.53	29.87	7.08	8.56	23.95
February 2026	30.05	31.76	7.62	8.50	22.06
March 2026	30.89	30.37	9.41	8.38	20.95
April 2026	31.04	25.44	9.91	10.68	22.93
May 2026	30.55	29.25	7.97	9.53	22.71
June 2026					
July 2026					
August 2026					
September 2026					
October 2026					
November 2026					
December 2026					

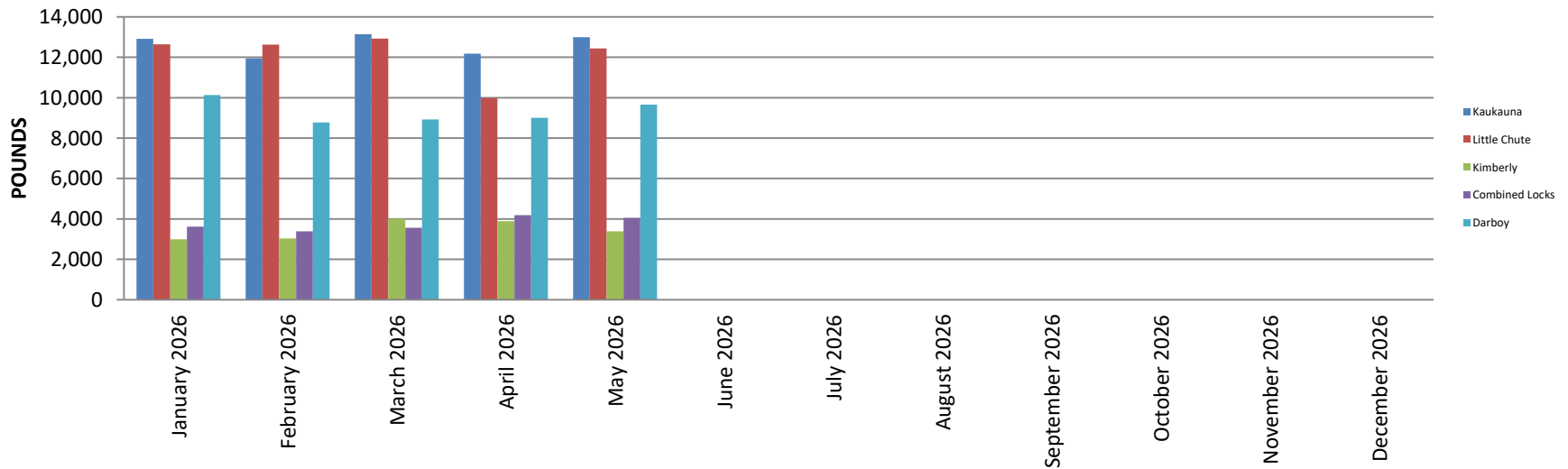
## POUNDS CONTRIBUTION BY COMMUNITY - AMMONIA POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2026	12,914	12,635	2,995	3,620	10,130
February 2026	11,953	12,632	3,030	3,382	8,774
March 2026	13,148	12,926	4,006	3,566	8,919
April 2026	12,183	9,988	3,889	4,191	9,003
May 2026	12,996	12,443	3,389	4,052	9,659
June 2026					
July 2026					
August 2026					
September 2026					
October 2026					
November 2026					
December 2026					

### % CONTRIBUTION BY COMMUNITY - AMMONIA POUNDS



### POUNDS CONTRIBUTION BY COMMUNITY - AMMONIA POUNDS



## HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

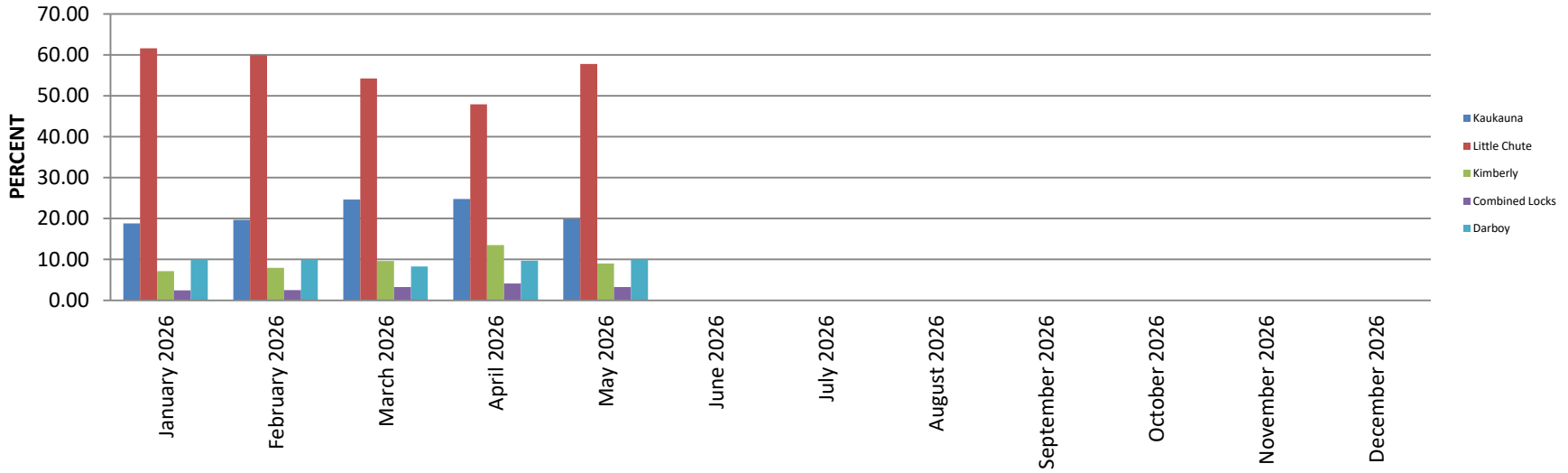
### % CONTRIBUTION BY COMMUNITY - CHLORIDE POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2026	18.84	61.58	7.17	2.47	9.95
February 2026	19.66	59.94	7.93	2.52	9.95
March 2026	24.67	54.20	9.63	3.24	8.26
April 2026	24.79	47.91	13.49	4.10	9.71
May 2026	19.92	57.81	9.02	3.29	9.96
June 2026					
July 2026					
August 2026					
September 2026					
October 2026					
November 2026					
December 2026					

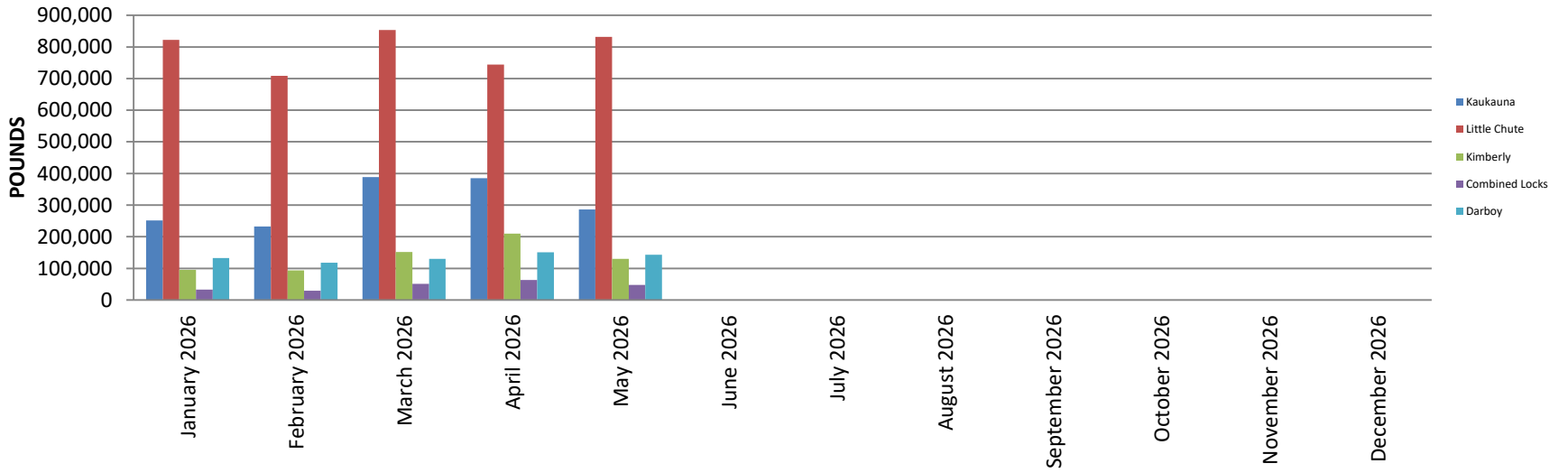
### POUNDS CONTRIBUTION BY COMMUNITY - CHLORIDE POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2026	251,489	821,980	95,662	32,909	132,852
February 2026	232,479	708,749	93,783	29,785	117,609
March 2026	388,111	853,653	151,463	50,927	129,963
April 2026	385,040	744,019	209,445	63,596	150,866
May 2026	286,526	831,704	129,727	47,388	143,306
June 2026					
July 2026					
August 2026					
September 2026					
October 2026					
November 2026					
December 2026					

### % CONTRIBUTION BY COMMUNITY - CHLORIDE POUNDS

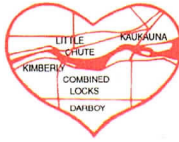


### POUNDS CONTRIBUTION BY COMMUNITY - CHLORIDE POUNDS



**DISTRICT DIRECTOR:**

Brian M. Helminger

**COMMISSIONERS:**

Bruce M. Siebers, President  
 John W. Sundelius, Vice-President  
 Patrick E. Hennessey, Secretary  
 Kevin P. Coffey, Commissioner  
 Tim Degroot, Commissioner

**SERVING:**

Combined Locks  
 Kaukauna  
 Kimberly  
 Little Chute  
 Darboy S.D.

**Heart of the Valley****METROPOLITAN SEWERAGE DISTRICT**

801 THILMANY ROAD  
 KAUKAUNA, WISCONSIN 54130  
 (920) 766-5731 FAX (920) 766-5733  
 www.hvmsd.org

**Facility:** Wisconsin Public Service Corporation - Fox Energy Center  
 P.O. Box 5651  
 Bismarck, ND 58506

**Attn:** Account # N2310E

**Month:** May

**Year:** 2026

## Gallons of Final Effluent Purchased (Billing)

<u>Date</u>	<u>Gallons</u>	<u>Date</u>	<u>Gallons</u>
5/1/2026	801,000	5/21/2026	2,040,000
5/2/2026	30,000	5/22/2026	2,648,000
5/3/2026	251,000	5/23/2026	3,190,000
5/4/2026	1,334,000	5/24/2026	2,157,000
5/5/2026	1,279,000	5/25/2026	2,812,000
5/6/2026	1,530,000	5/26/2026	3,172,000
5/7/2026	2,000,000	5/27/2026	2,520,000
5/8/2026	2,120,000	5/28/2026	3,222,000
5/9/2026	1,850,000	5/29/2026	3,553,000
5/10/2026	1,479,000	5/30/2026	2,990,000
5/11/2026	2,316,000	5/31/2026	2,873,000
5/12/2026	1,275,000		
5/13/2026	2,428,000		
5/14/2026	1,200,000	<b>Total:</b>	<b>68,393,000</b>
5/15/2026	1,623,000		
5/16/2026	3,408,000		
5/17/2026	2,828,000		
5/18/2026	3,125,000		
5/19/2026	3,142,000		
5/20/2026	3,197,000		

**Facility:** Wisconsin Public Service Corporation - Fox Energy Center  
P.O. Box 5651  
Bismarck, ND 58506

**Attn:** Account # N2310E

## **MONTHLY BILLING**

**Month:** May

**Year:** 2026

**GALLONS PURCHASED:** 68,393,000

**BILLING RATE:** \$0.1974816 PER 1000 GALLONS

**TOTAL AMOUNT DUE: \$13,506.36**

**Heart of the Valley  
Metropolitan Sewerage District**

**Fox Energy Revenue  
From the Sale of Final Effluent**

**2026**

**Final Effluent Sent to Fox Energy Facility**

**Gallons: 348,085,000**

**Charge Per 1000 Gallons: \$0.1974816** Per 1000 Gallons

**Sale of Final Effluent (Revenue Collected): \$68,740.38**