

## FLOW AND STRENGTH PROJECTIONS

MONTH: October 2021

	<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)	267,311,091	157,546,000	-109,765,091	\$ 167,871.37	\$ 98,938.89	\$ (68,932.48)
B.O.D. (#s)	491,550	500,732	9,182	\$ 92,902.95	\$ 94,638.34	\$ 1,735.39
S. SOLIDS (#s)	413,771	419,060	5,289	\$ 98,477.50	\$ 99,736.23	\$ 1,258.73
PHOSPHORUS (#s)	7,852	8,028	176	\$ 49,098.56	\$ 50,201.77	\$ 1,103.22
AMMONIA-N (#s)	61,652	63,128	1,476	\$ 76,201.87	\$ 78,026.44	\$ 1,824.57
CHLORIDES (#s)	932,610	800,659	-131,951	\$ 2,797.83	\$ 2,401.98	\$ (395.85)
			<b>TOTAL:</b>	\$ 487,350.07	\$ 423,943.64	\$ (63,406.43)

(THRU OCTOBER 2021)

PROJECTED FOR 2021

	<u>END OF YEAR PROJECTED</u>	<u>YEAR TO DATE SURPLUS/ DEFICIT</u>	<u>YEAR TO DATE SURPLUS/ DEFICIT \$\$</u>
FLOW (GALLONS)	2,053,099,003	-183,538,567	\$ (115,262.22)
B.O.D. (#s)	3,755,281	613,798	\$ 116,007.86
S. SOLIDS (#s)	3,909,560	239,398	\$ 56,976.65
PHOSPHORUS (#s)	80,410	5,049	\$ 31,570.90
AMMONIA-N (#s)	505,265	66,270	\$ 81,909.79
CHLORIDES (#s)	8,748,079	429,760	\$ 1,289.28
		<b>TOTAL:</b>	\$ 172,492.26

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

October 2021

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	151.4	4.9	217	8,736	270,817	300	12,085	374,624	6.05	243	7,528	49.0	1961	60,780	702	28,228	875,077
Feb	135.2	4.8	231	8,334	258,362	311	12,383	346,731	5.91	235	6,583	46.4	1641	50,873	796	28,751	891,291
Mar	227.7	7.3	150	9,098	282,028	212	12,818	397,347	3.89	234	7,264	32.0	1,929	59,806	590	35,765	1,108,705
Apr	202.9	6.8	179	9,975	299,254	231	12,852	385,562	4.36	241	7,241	34.4	1,790	55,483	580	30,560	916,811
May	198.4	6.4	182	9,555	296,212	264	13,942	432,203	4.92	260	8,054	37.9	1,926	59,693	631	34,789	1,043,666
June	191.7	6.4	204	10,428	312,840	296	14,746	442,373	5.10	255	7,646	37.4	1,831	54,919	679	33,103	993,089
Jul	259.3	8.4	163	11,266	349,258	203	13,606	421,799	3.63	243	7,536	28.3	1,872	58,018	499	32,811	1,017,148
Aug	260.4	8.4	169	11,585	359,123	227	15,206	471,381	3.97	262	8,128	30.6	1,937	60,050	613	39,244	1,216,557
Sep	192.1	6.4	219	11,634	349,029	256	13,525	405,741	4.82	254	7,613	37.4	1,983	59,503	634	33,372	1,001,147
Oct	170.5	5.5	234	10,694	331,525	315	14,406	446,579	5.71	260	8,075	43.7	2,054	61,625	624	29,640	889,197
Nov																	
Dec																	
<b>Yearly Average</b>	199.0	6.5	195	10,131	310,845	262	13,557	412,434	4.83	249	7,567	37.7	1,892	58,075	635	32,626	995,269
<b>Yearly Total</b>	1,989.7				3,108,449			4,124,341			75,668			580,749			9,952,687

\*Includes Hauled Waste

[Plant Design Capacity] →

(Hauled Waste Gallons)= 184,170

[Max Design Capacity] →

October % of Max Capacity →

8.5	13,565	12,209	339	1,600
11.9	16,278	14,651	407	1,920
46%	66%	98%	64%	107%

October Max Daily Flow (MGD) 6.21

**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	63.8	2.1	10.9	185	5,721	9.3	160	4,957	0.31	5.2	163	0.42	7.8	242	707
Feb	66.3	2.4	11	206	5,759	10	196	5,499	0.31	5.9	167	0.42	7.7	238	808
Mar	136.9	4.4	7.1	259	8,037	7.0	260	8,070	0.20	7.4	229	0.28	10.0	310	603
Apr	123.5	4.1	6.5	222	6,664	5.8	198	5,945	0.19	6.4	193	0.31	10.2	315	600
May	138.3	4.5	5.8	211	6,552	6.2	221	6,864	0.28	9.8	304	0.38	13.0	404	656
June	93.5	3.1	9.8	290	8,712	9.9	262	7,865	0.37	9.4	281	0.37	7.7	240	673
Jul	165.4	5.3	15.1	725	22,480	13.5	628	19,465	0.34	15.4	477	0.45	21.1	654	493
Aug	158.2	5.1	13.6	581	18,018	12.0	490	15,188	0.31	12.6	392	0.42	15.3	476	561
Sep	114.8	3.8	15.9	492	14,770	11.2	343	10,305	0.40	12.3	369	0.53	15.9	492	654
Oct	108.4	3.5	17.0	475	14,722	12.2	337	10,441	0.41	11.7	363	0.52	15.3	473	642
Nov															
Dec															
<b>Yearly Average</b>	116.9	3.8	11.2	365	11,143	9.7	309.7	9,460	0.31	9.6	294	0.41	12.4	384.3	640
<b>Yearly Total</b>	1,169.1				111,434			94,599			2,938			3,842.7	

{PERMIT LIMITS (WDNR) →}	Monthly (Avg)	801#	Monthly Avg	30 mg/L	Monthly Avg	31.5#
	Weekly (Avg)	1345#	Weekly Avg	45 mg/L	6 mo Avg	10.5#
	Daily Max (mg/L)	30	WLA June-Oct		Daily Max mg/L	1.0

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

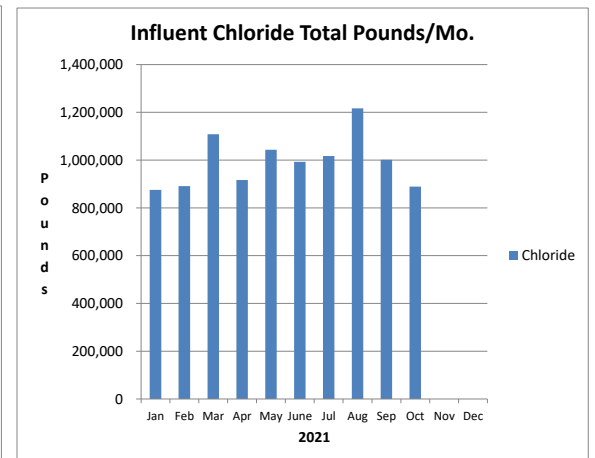
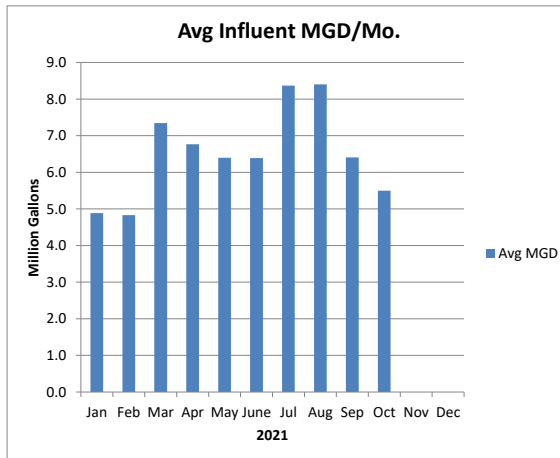
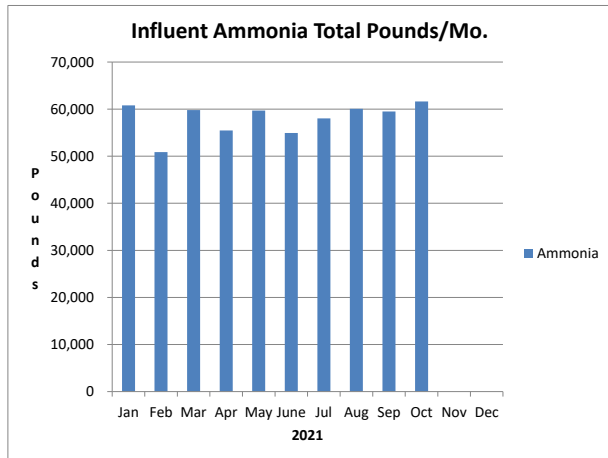
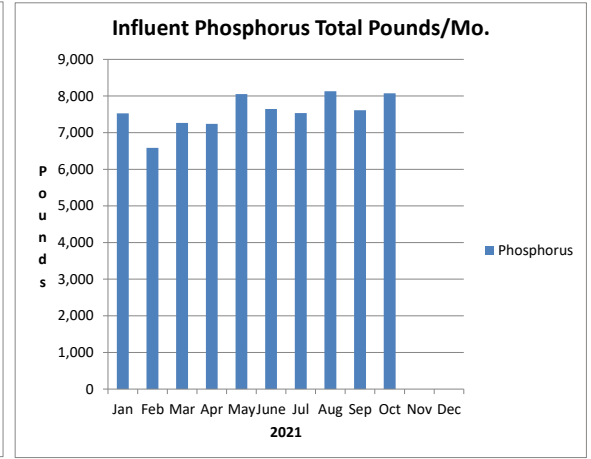
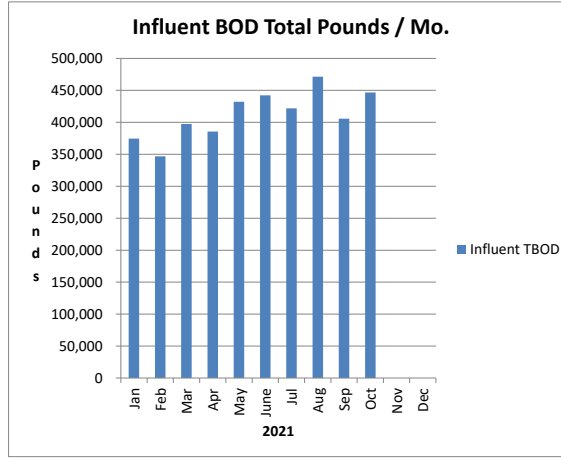
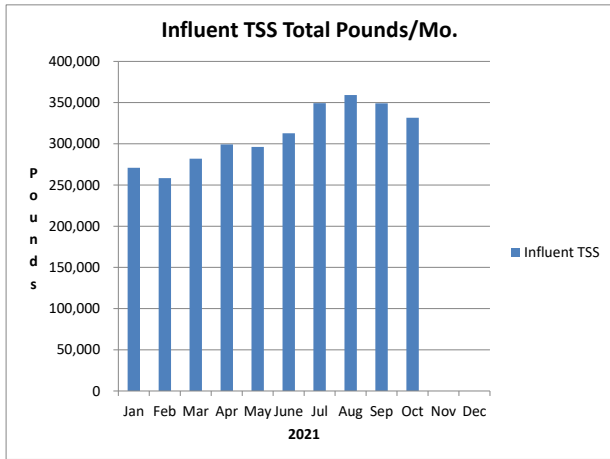
Effluent Gallons to Fox Energy (October)	62.09	% to Fox Energy	32%
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October	Avg #'s
WEEK 1	660
WEEK 2	635
WEEK 3	363
WEEK 4	323

6 mo. Avg #	11.88	May-Oct
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# RAIN GAUGES

## DAILY RAINFALL TOTALS

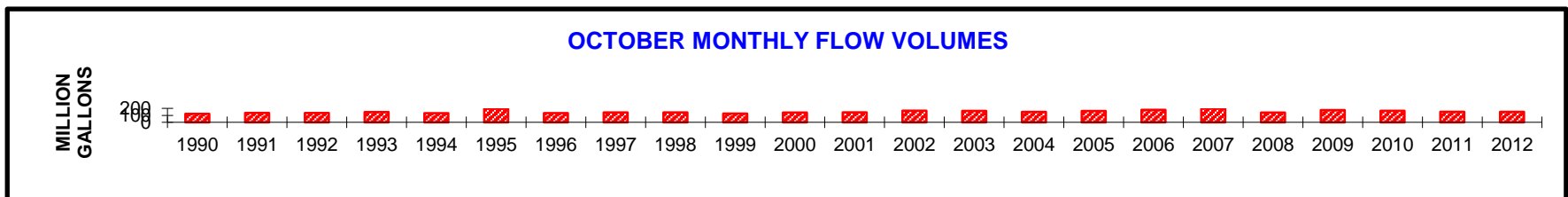
MONTH: OCTOBER

YEAR: 2021

<u>DATE</u>	<u>PLANT INCHES</u>	<u>KAUKAUNA INCHES</u>	<u>LITTLE CHUTE INCHES</u>	<u>KIMBERLY INCHES</u>	<u>DARBOY INCHES</u>
1	0.00	0.00	0.00	0.00	0.00
2	0.01	0.01	0.15	0.21	0.03
3	0.53	0.22	0.01	0.06	0.07
4	0.01	0.01	0.01	0.01	0.01
5	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00
7	0.28	0.27	0.35	0.19	0.18
8	0.04	0.03	0.02	0.01	0.01
9	0.00	0.00	0.00	0.00	0.00
10	0.01	0.01	0.02	0.04	0.01
11	0.04	0.05	0.10	0.06	0.10
12	0.15	0.11	0.02	0.09	0.15
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	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00
21	0.05	0.05	0.04	0.05	0.03
22	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00
28	0.06	0.07	0.06	0.06	0.07
29	0.08	0.08	0.10	0.13	0.11
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>	1.26	0.91	0.88	0.91	0.77

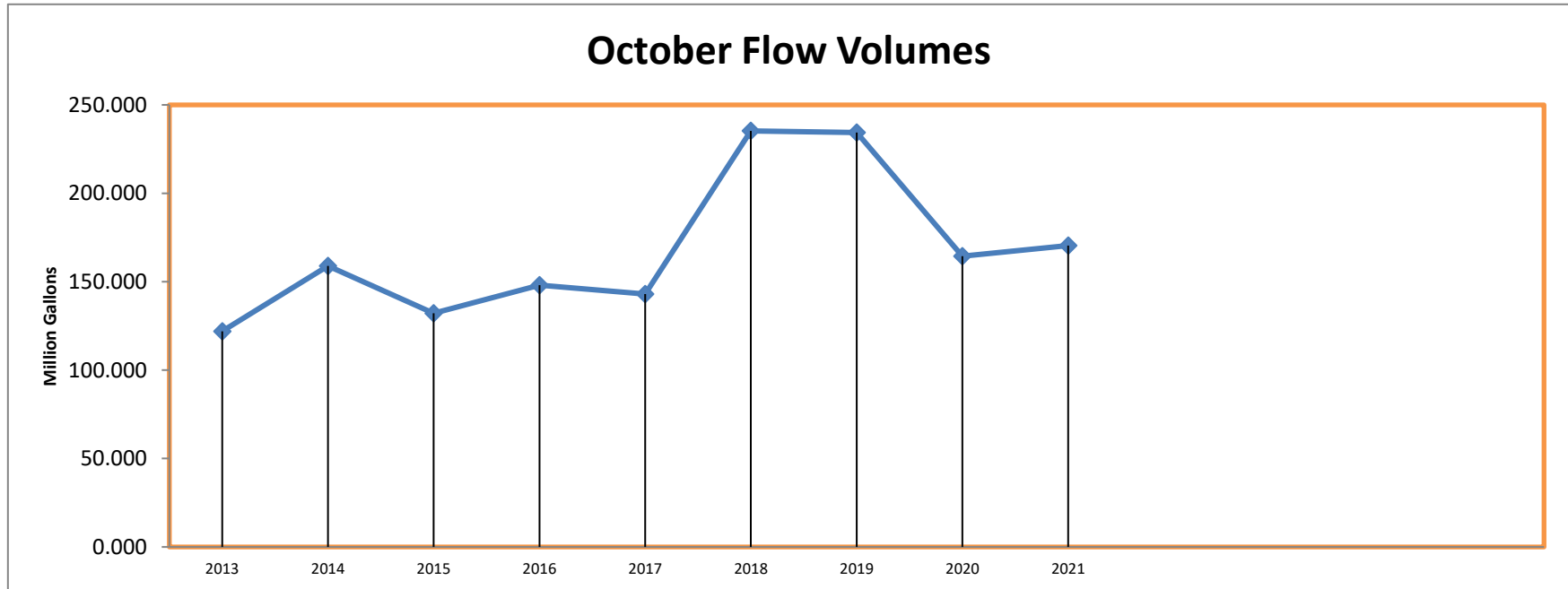
# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

<u>Year</u>	<u>October Flow Million Gallons</u>	<u>Precipitation Inches</u>
1980	139.073	2.52
1981	164.048	2.74
1982	98.198	1.22
1983	152.737	2.88
1984	187.776	5.02
1985	189.790	3.70
1986	183.250	1.73
1987	95.594	1.12
1988	109.069	1.22
1989	114.160	4.33
1990	120.920	2.67
1991	134.179	4.34
1992	133.296	1.78
1993	146.521	2.13
1994	130.502	1.23
1995	195.502	5.82
1996	131.599	3.65
1997	141.111	0.75
1998	141.348	1.70
1999	124.606	1.05
2000	139.713	0.27
2001	142.055	1.65
2002	166.230	2.81
2003	163.415	0.91
2004	148.847	3.01
2005	162.031	1.16
2006	178.446	2.37
2007	197.059	3.54
2008	139.481	1.50
2009	174.600	3.93
2010	165.095	1.56
2011	150.308	1.29
2012	149.466	5.02



# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

<u>Year</u>	<u>October Flow Million Gallons</u>	<u>Precipitation Inches</u>
2013	122.015	3.10
2014	158.887	2.52
2015	132.217	1.90
2016	148.008	1.95
2017	143.016	2.30
2018	235.273	4.17
2019	234.439	3.87
2020	164.399	3.51
2021	170.491	0.87

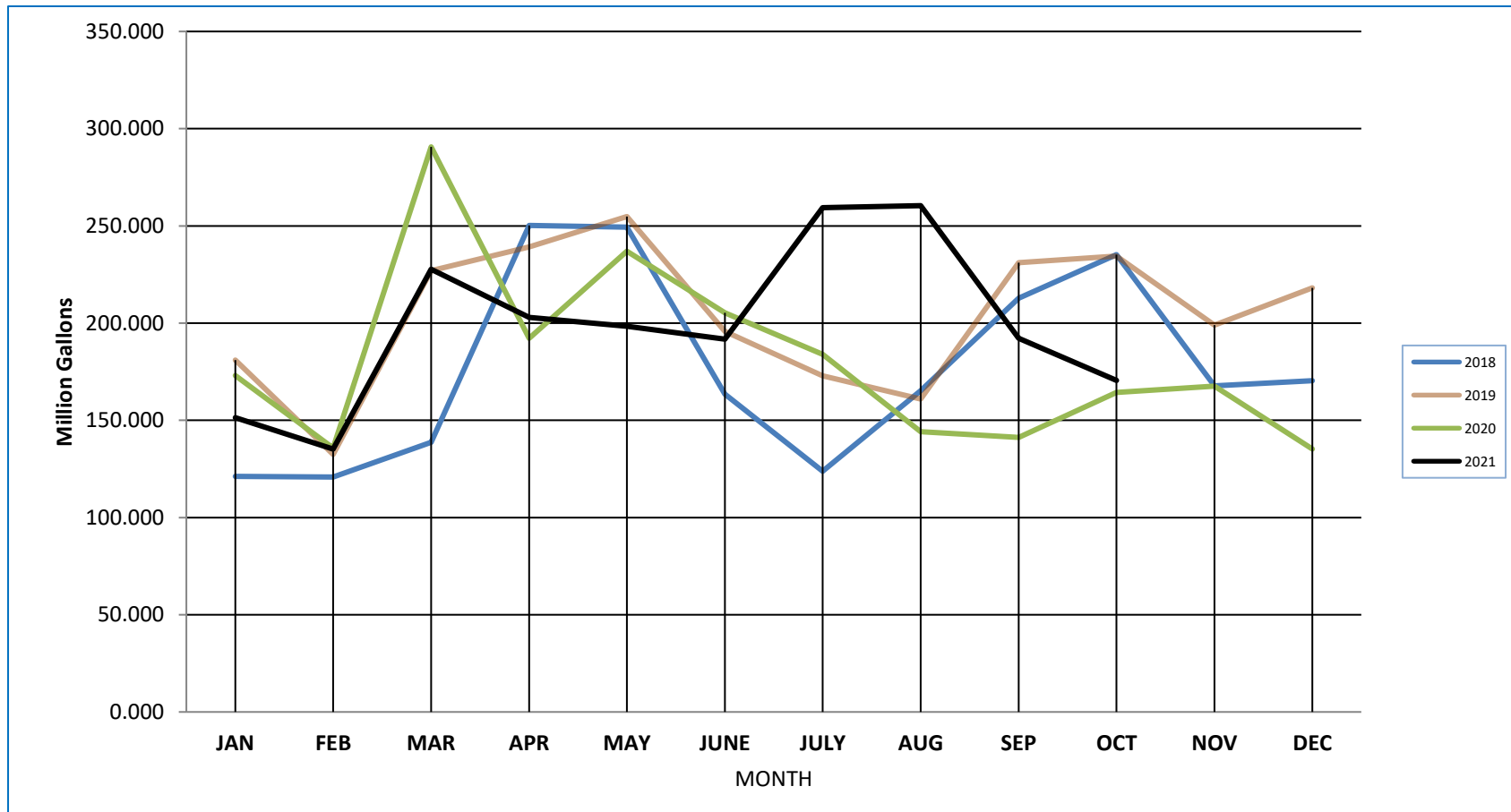


# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

	<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>2018</b>	121.122	120.841	138.664	250.232	249.379	163.461	123.780	165.254	212.799	235.273	167.657	170.368
<b>2019</b>	181.037	132.459	226.921	239.147	254.810	195.654	172.916	160.932	231.033	234.439	199.024	218.097
<b>2020</b>	172.999	135.703	290.643	192.150	236.946	205.368	184.011	144.085	141.266	164.399	167.558	135.257
<b>2021</b>	151.398	135.21	227.688	202.920	198.367	191.728	259.337	260.418	192.127	170.491		

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

## 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 2021	32.64	36.57	7.19	6.49	17.12	0.71
February 2021	33.80	33.06	8.11	6.34	18.68	1.29
March 2021	34.77	34.39	9.76	6.90	14.18	1.79
April 2021	36.81	31.89	9.34	7.01	14.95	1.53
May 2021	34.41	34.51	8.79	7.42	14.88	2.71
June 2021	37.58	32.24	8.45	6.58	15.14	4.94
July 2021	40.47	33.24	9.23	5.89	11.18	3.21
August 2021	42.88	32.94	8.23	4.76	11.19	5.27
September 2021	42.15	33.10	7.24	4.13	13.37	0.85
October 2021	41.38	32.63	6.64	4.06	15.29	0.87
November 2021						
December 2021						

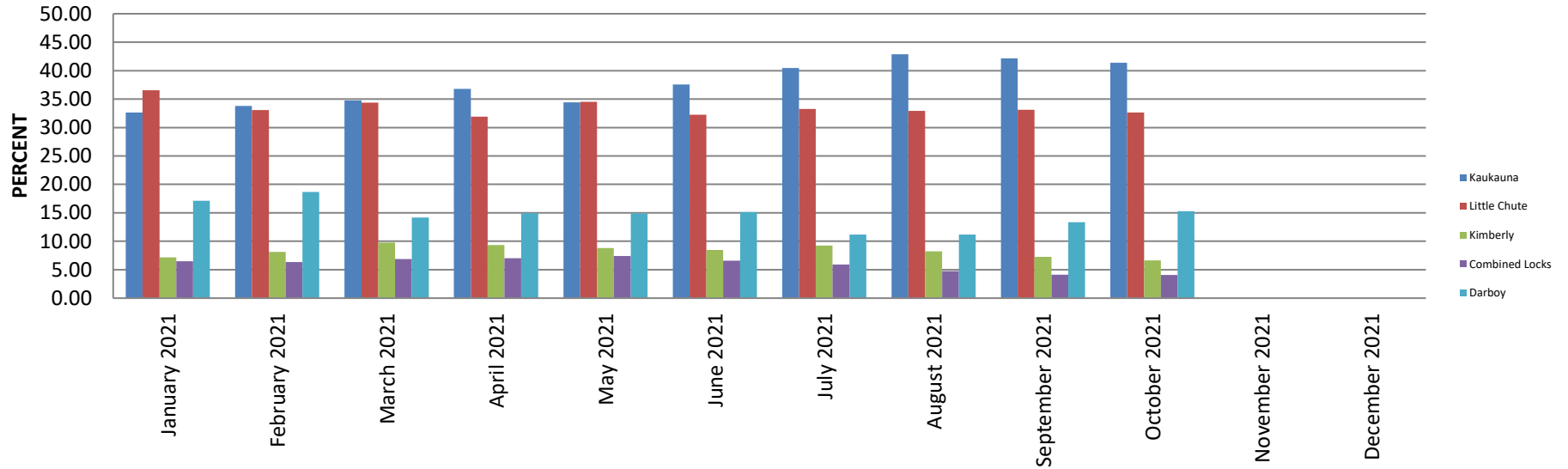
\* Nov-March=Rain,Melted Snow, Etc ( in.)

## GALLONS CONTRIBUTION BY COMMUNITY - FLOW GALLONS

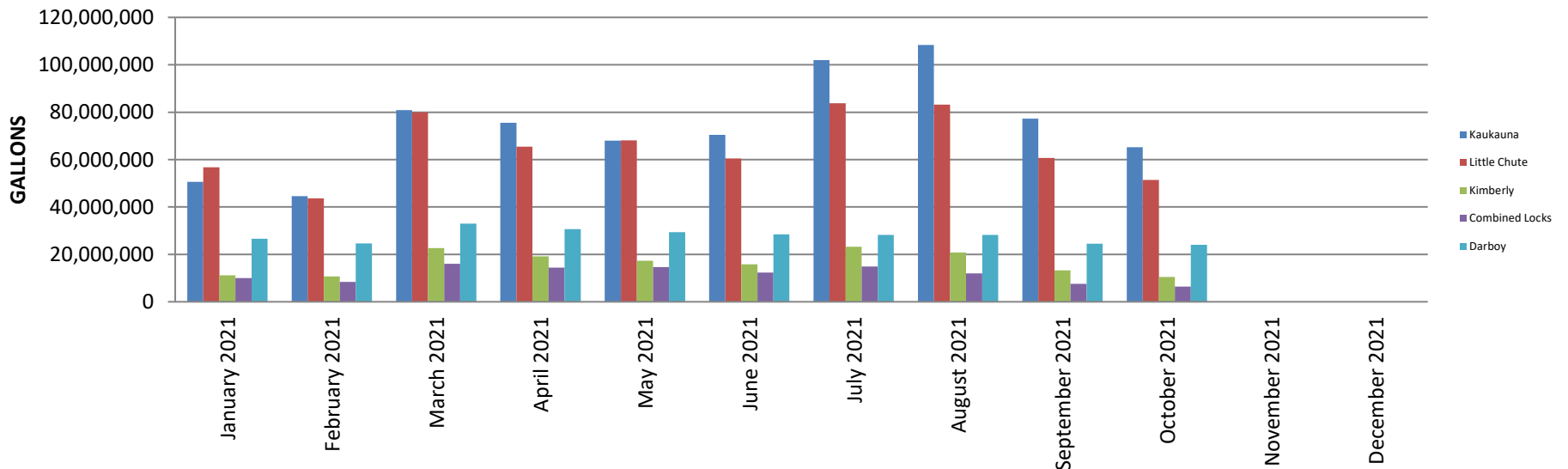
	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2021	50,653,000	56,758,000	11,153,000	10,069,000	26,563,000
February 2021	44,627,000	43,652,000	10,710,000	8,367,000	24,666,000
March 2021	80,825,000	79,925,000	22,677,000	16,031,000	32,969,000
April 2021	75,497,000	65,413,000	19,159,000	14,369,000	30,652,000
May 2021	67,944,000	68,137,000	17,364,000	14,643,000	29,378,000
June 2021	70,479,000	60,465,000	15,851,000	12,345,000	28,395,000
July 2021	102,035,000	83,805,000	23,275,000	14,841,000	28,180,000
August 2021	108,332,000	83,219,000	20,787,000	12,023,000	28,275,000
September 2021	77,294,000	60,698,000	13,274,000	7,581,000	24,514,000
October 2021	65,193,000	51,409,000	10,468,000	6,394,000	24,082,000
November 2021					
December 2021					



## % CONTRIBUTION BY COMMUNITY - FLOW GALLONS



## GALLONS CONTRIBUTION BY COMMUNITY - FLOW GALLONS



# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

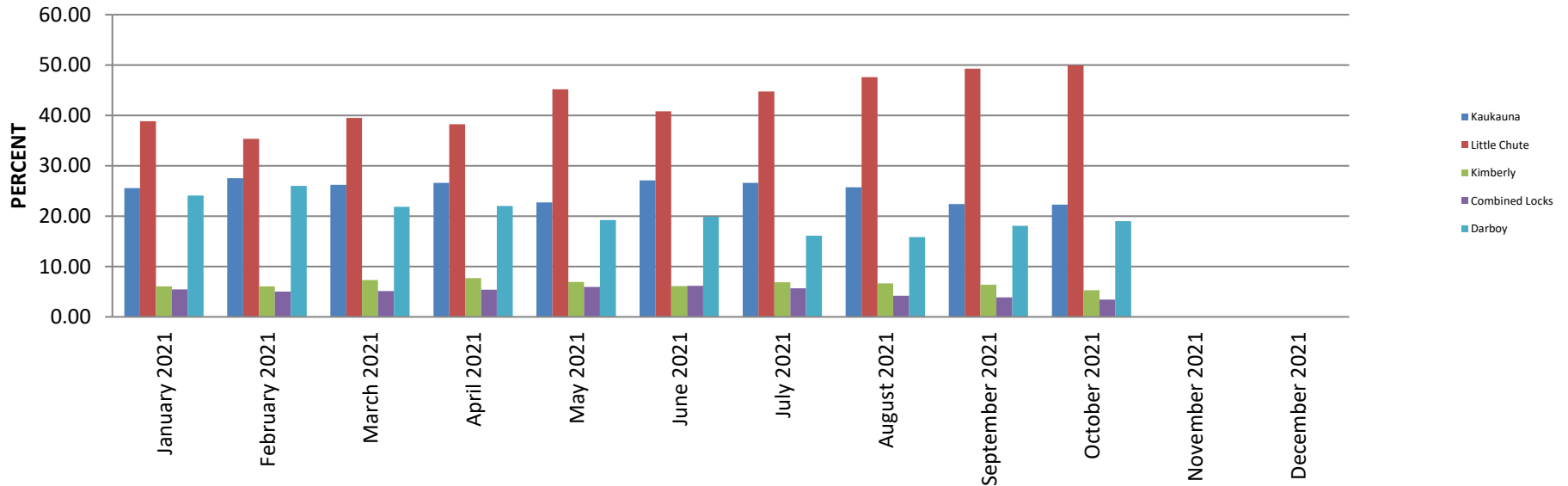
## % CONTRIBUTION BY COMMUNITY - B.O.D. POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2021	25.57	38.82	6.06	5.46	24.09
February 2021	27.56	35.35	6.03	5.03	26.03
March 2021	26.22	39.50	7.33	5.10	21.85
April 2021	26.62	38.23	7.71	5.39	22.04
May 2021	22.73	45.17	6.91	5.97	19.22
June 2021	27.08	40.82	6.09	6.15	19.87
July 2021	26.62	44.75	6.89	5.65	16.10
August 2021	25.71	47.59	6.64	4.21	15.84
September 2021	22.38	49.30	6.38	3.88	18.06
October 2021	22.30	49.96	5.27	3.44	19.03
November 2021					
December 2021					

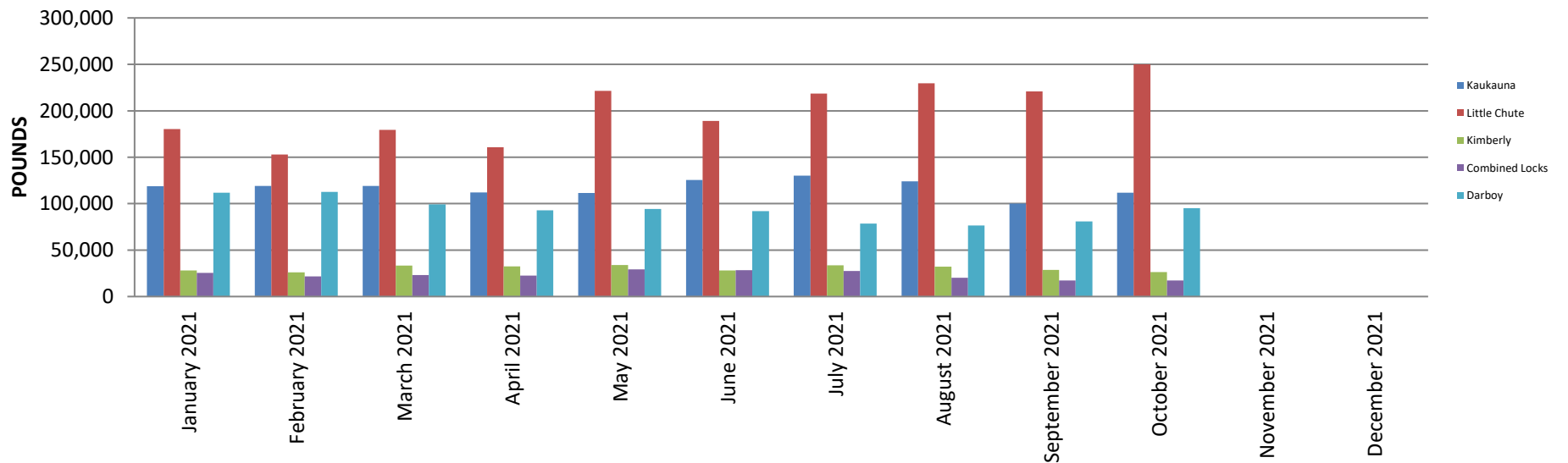
## POUNDS CONTRIBUTION BY COMMUNITY - B.O.D. POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2021	118,779	180,309	28,143	25,348	111,869
February 2021	119,174	152,882	26,084	21,751	112,551
March 2021	119,072	179,382	33,269	23,166	99,206
April 2021	112,044	160,891	32,455	22,682	92,757
May 2021	111,433	221,437	33,871	29,267	94,209
June 2021	125,468	189,172	28,198	28,503	92,057
July 2021	130,053	218,623	33,651	27,601	78,663
August 2021	124,003	229,513	32,028	20,294	76,406
September 2021	100,192	220,731	28,557	17,372	80,848
October 2021	111,666	250,152	26,378	17,247	95,289
November 2021					
December 2021					

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



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



# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

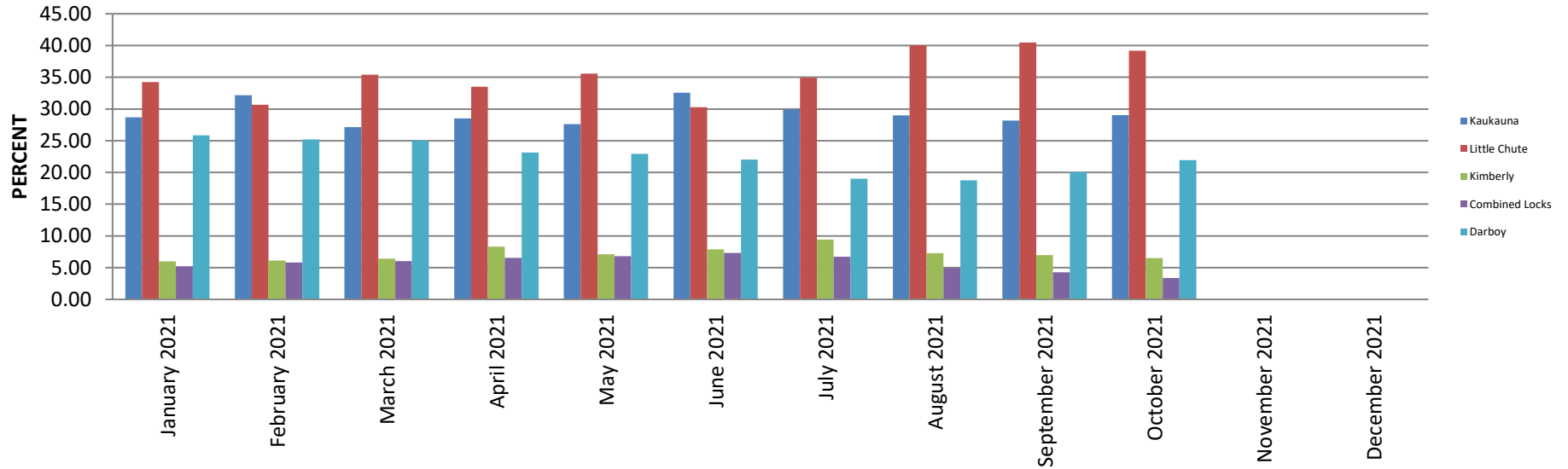
## % CONTRIBUTION BY COMMUNITY -TOTAL SUSPENDED SOLIDS POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2021	28.68	34.25	6.00	5.23	25.84
February 2021	32.17	30.68	6.13	5.80	25.22
March 2021	27.14	35.38	6.43	6.02	25.03
April 2021	28.52	33.50	8.29	6.55	23.14
May 2021	27.60	35.57	7.09	6.82	22.91
June 2021	32.55	30.26	7.86	7.31	22.02
July 2021	29.93	34.91	9.42	6.72	19.01
August 2021	28.99	40.02	7.27	4.96	18.76
September 2021	28.17	40.48	6.99	4.27	20.08
October 2021	29.02	39.18	6.49	3.36	21.95
November 2021					
December 2021					

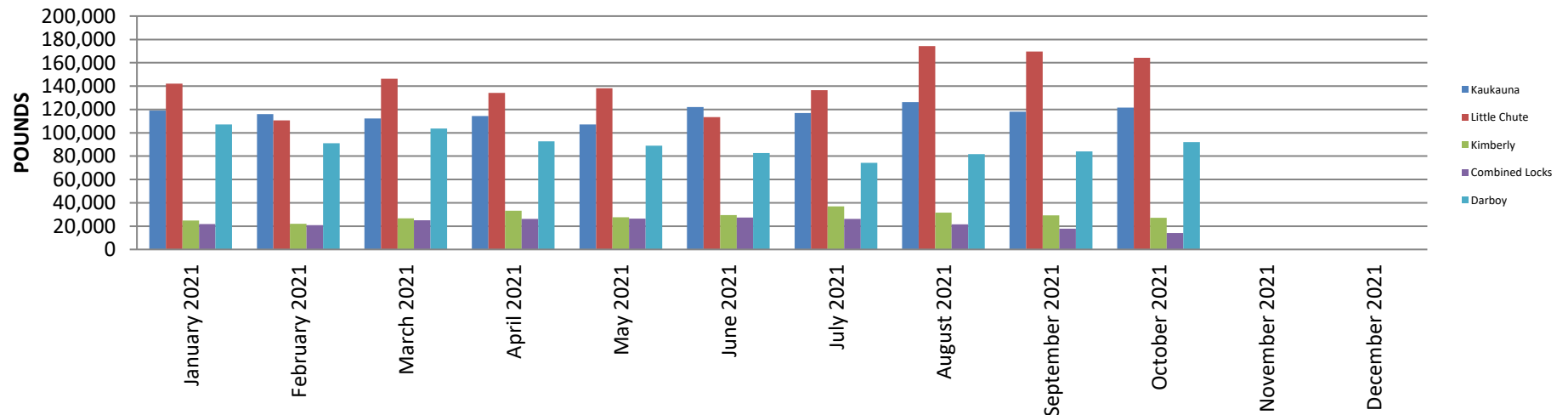
## POUNDS CONTRIBUTION BY COMMUNITY - TOTAL SUSPENDED SOLIDS POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2021	118,920	141,992	24,872	21,690	107,110
February 2021	116,061	110,689	22,100	20,913	90,998
March 2021	112,310	146,417	26,596	24,931	103,563
April 2021	114,242	134,187	33,214	26,252	92,683
May 2021	107,201	138,146	27,544	26,484	88,982
June 2021	122,035	113,461	29,462	27,417	82,568
July 2021	117,001	136,460	36,839	26,285	74,293
August 2021	126,345	174,381	31,672	21,636	81,752
September 2021	117,975	169,552	29,279	17,888	84,118
October 2021	121,611	164,203	27,203	14,069	91,974
November 2021					
December 2021					

## % CONTRIBUTION BY COMMUNITY -TOTAL SUSPENDED SOLIDS POUNDS



## POUNDS CONTRIBUTION BY COMMUNITY - TOTAL SUSPENDED SOLIDS POUNDS



# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

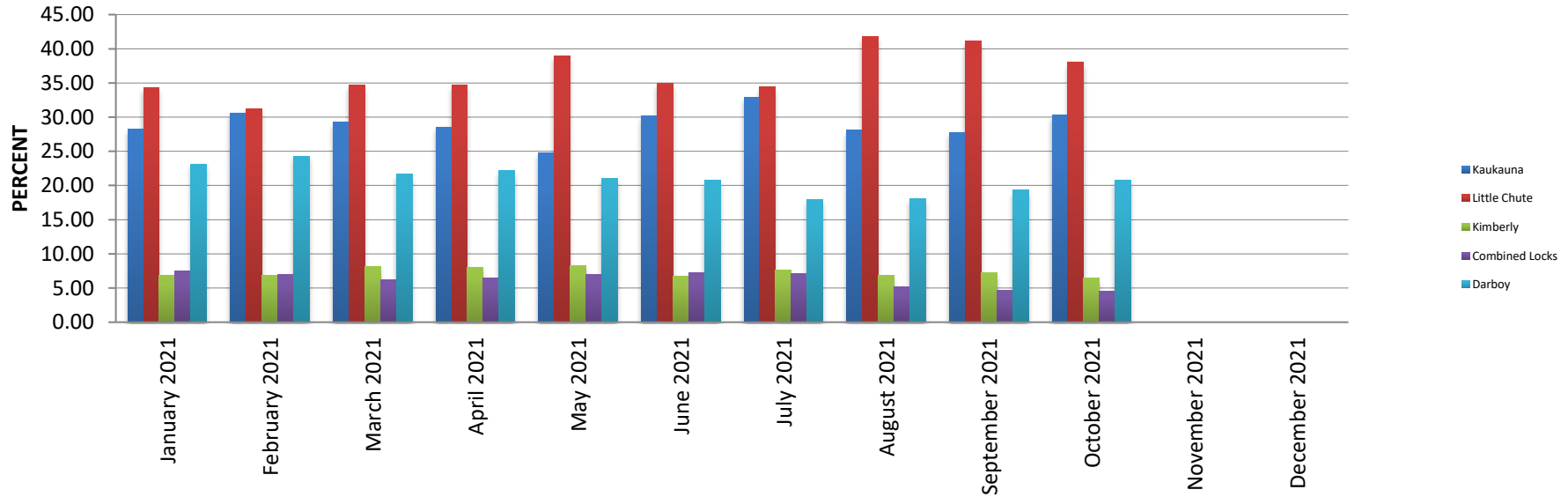
## % CONTRIBUTION BY COMMUNITY - PHOSPHORUS POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2021	28.27	34.26	6.86	7.47	23.14
February 2021	30.61	31.27	6.83	6.98	24.31
March 2021	29.31	34.64	8.20	6.16	21.69
April 2021	28.55	34.76	8.03	6.45	22.22
May 2021	24.77	38.94	8.27	6.97	21.05
June 2021	30.23	34.90	6.77	7.30	20.81
July 2021	32.84	34.42	7.65	7.17	17.92
August 2021	28.12	41.76	6.87	5.15	18.09
September 2021	27.78	41.09	7.23	4.60	19.30
October 2021	30.33	37.99	6.42	4.49	20.77
November 2021					
December 2021					

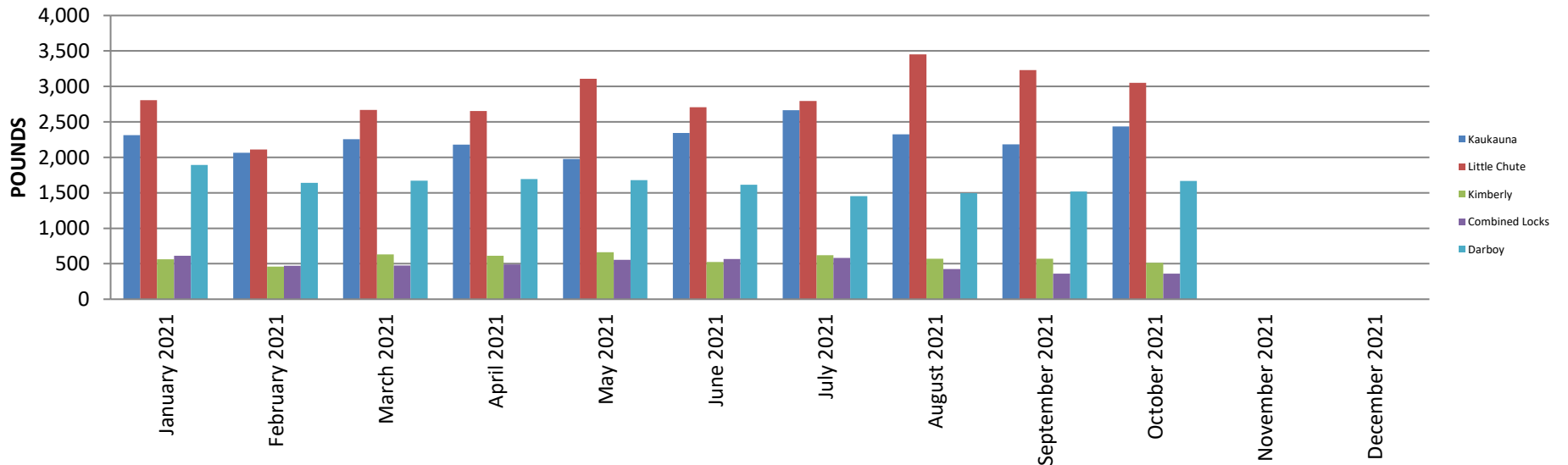
## POUNDS CONTRIBUTION BY COMMUNITY - PHOSPHORUS POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2021	2,314	2,805	561	611	1,894
February 2021	2,065	2,110	461	471	1,641
March 2021	2,257	2,667	632	474	1,670
April 2021	2,179	2,654	613	492	1,696
May 2021	1,978	3,108	661	556	1,680
June 2021	2,345	2,707	525	566	1,614
July 2021	2,666	2,794	621	582	1,454
August 2021	2,326	3,454	569	426	1,496
September 2021	2,185	3,232	569	362	1,518
October 2021	2,435	3,050	515	360	1,668
November 2021					
December 2021					

## % CONTRIBUTION BY COMMUNITY - PHOSPHORUS POUNDS



## POUNDS CONTRIBUTION BY COMMUNITY - PHOSPHORUS POUNDS



# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

## % CONTRIBUTION BY COMMUNITY - AMMONIA POUNDS

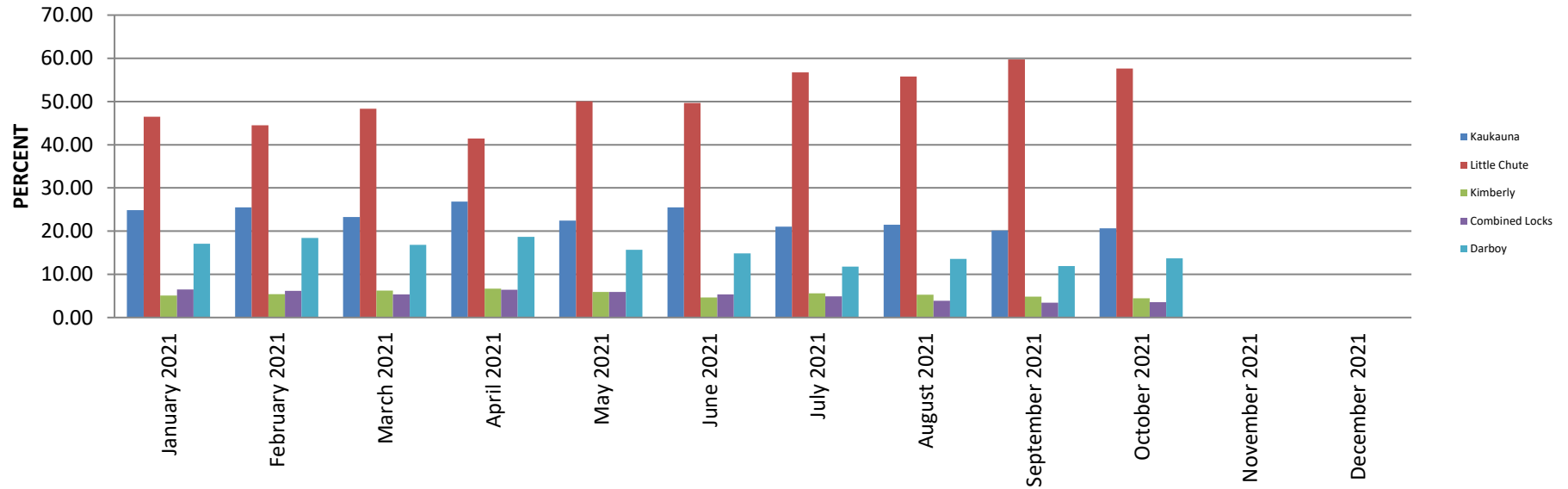
	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2021	24.85	46.49	5.08	6.49	17.09
February 2021	25.48	44.51	5.39	6.19	18.44
March 2021	23.25	48.34	6.26	5.35	16.81
April 2021	26.82	41.42	6.68	6.41	18.66
May 2021	22.42	50.07	5.89	5.94	15.67
June 2021	25.47	49.68	4.67	5.35	14.83
July 2021	21.02	56.73	5.59	4.88	11.79
August 2021	21.50	55.77	5.26	3.88	13.59
September 2021	20.11	59.73	4.81	3.42	11.93
October 2021	20.67	57.62	4.45	3.58	13.67
November 2021					
December 2021					

## POUNDS CONTRIBUTION BY COMMUNITY - AMMONIA POUNDS

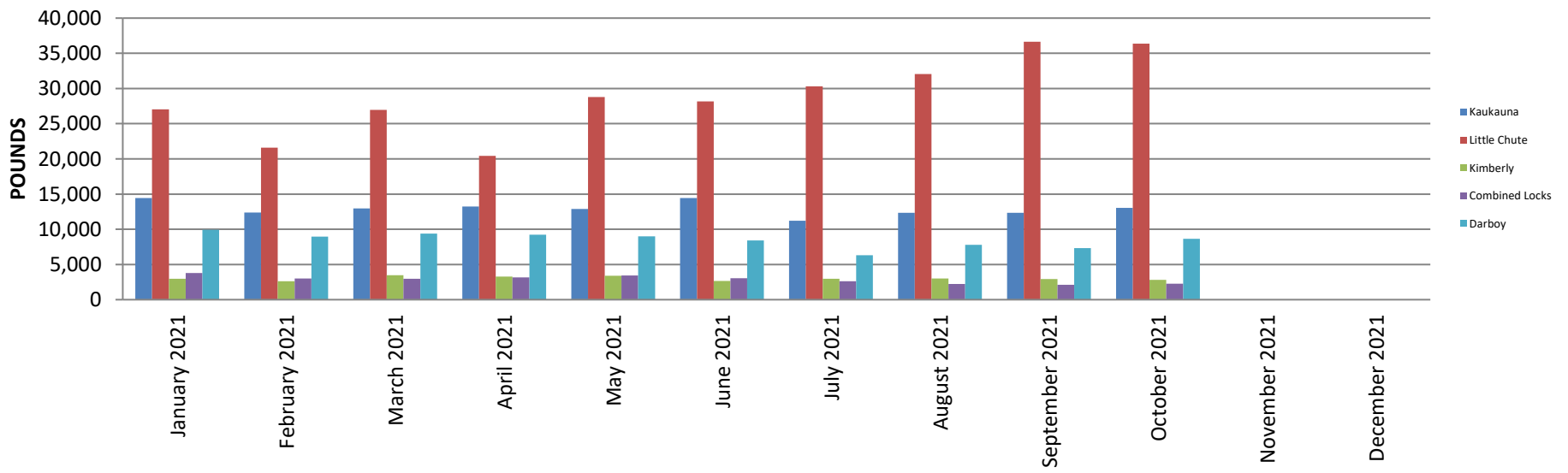
	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2021	14,449	27,032	2,951	3,776	9,940
February 2021	12,371	21,607	2,615	3,003	8,950
March 2021	12,960	26,953	3,488	2,980	9,373
April 2021	13,237	20,445	3,298	3,165	9,211
May 2021	12,894	28,791	3,387	3,417	9,009
June 2021	14,439	28,166	2,649	3,032	8,406
July 2021	11,220	30,287	2,984	2,604	6,293
August 2021	12,351	32,035	3,024	2,228	7,808
September 2021	12,328	36,628	2,947	2,099	7,315
October 2021	13,050	36,376	2,811	2,261	8,630
November 2021					
December 2021					



## % CONTRIBUTION BY COMMUNITY - AMMONIA POUNDS



## POUNDS CONTRIBUTION BY COMMUNITY - AMMONIA POUNDS



# HEART OF THE VALLEY METROPOLITAN SEWERAGE DISTRICT

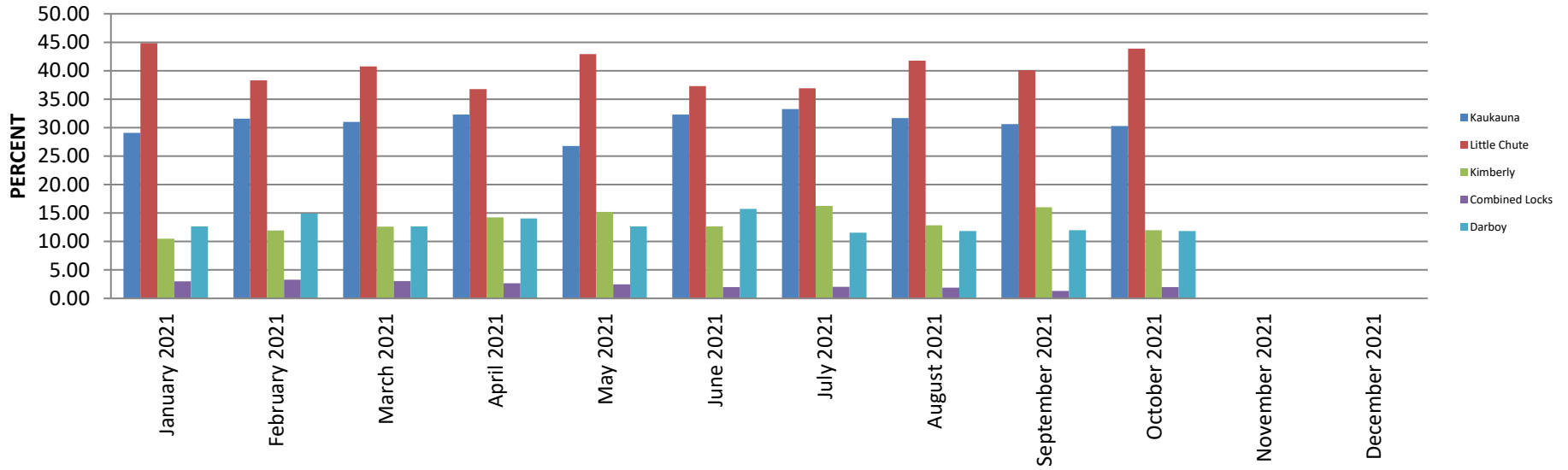
## % CONTRIBUTION BY COMMUNITY - CHLORIDE POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2021	29.06	44.82	10.50	2.98	12.63
February 2021	31.59	38.33	11.91	3.26	14.91
March 2021	31.00	40.75	12.58	3.03	12.63
April 2021	32.28	36.77	14.23	2.66	14.06
May 2021	26.79	42.93	15.18	2.45	12.64
June 2021	32.31	37.32	12.65	2.00	15.72
July 2021	33.24	36.91	16.24	2.04	11.57
August 2021	31.67	41.78	12.83	1.88	11.83
September 2021	30.61	40.07	16.02	1.31	11.99
October 2021	30.30	43.90	11.99	1.98	11.83
November 2021					
December 2021					

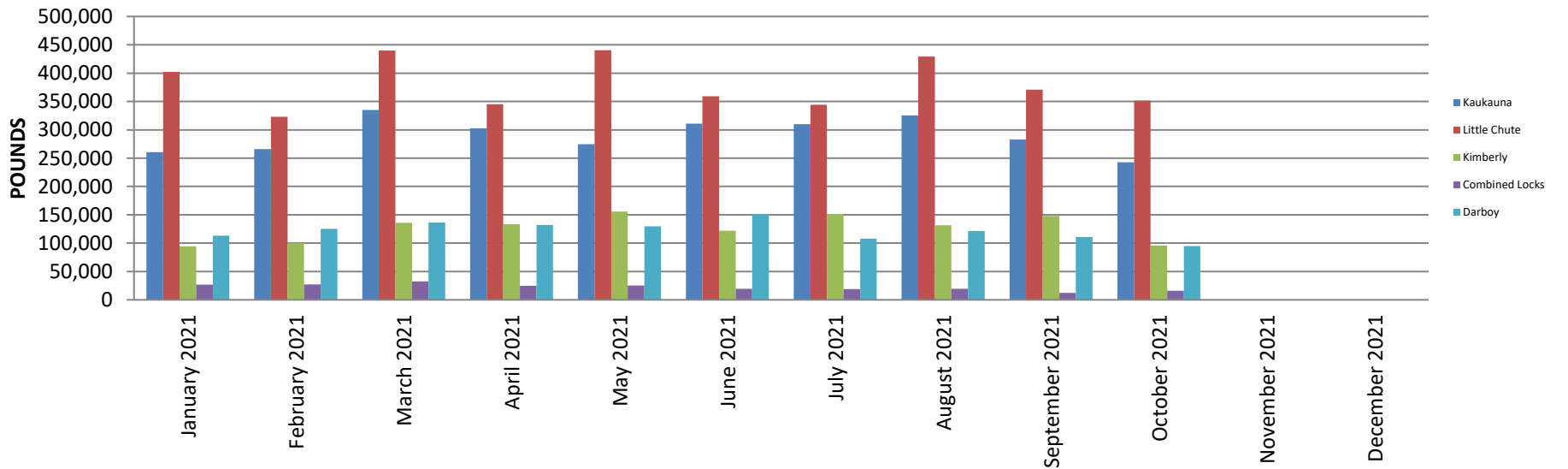
## POUNDS CONTRIBUTION BY COMMUNITY - CHLORIDE POUNDS

	<u>Kaukauna</u>	<u>Little Chute</u>	<u>Kimberly</u>	<u>Combined Locks</u>	<u>Darboy</u>
January 2021	260,808	402,271	94,270	26,746	113,365
February 2021	266,097	322,891	100,337	27,435	125,551
March 2021	334,840	440,145	135,920	32,675	136,439
April 2021	302,901	345,085	133,539	24,985	131,948
May 2021	274,875	440,533	155,789	25,164	129,699
June 2021	310,950	359,217	121,776	19,271	151,289
July 2021	309,895	344,112	151,454	19,056	107,894
August 2021	325,414	429,287	131,818	19,336	121,574
September 2021	283,025	370,592	148,144	12,141	110,851
October 2021	242,604	351,502	95,996	15,863	94,695
November 2021					
December 2021					

## % CONTRIBUTION BY COMMUNITY - CHLORIDE POUNDS

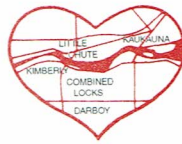


## POUNDS CONTRIBUTION BY COMMUNITY - CHLORIDE POUNDS



**DISTRICT DIRECTOR:**

Brian M. Helminger

**COMMISSIONERS:**

David J. Casper, President  
 Bruce M. Siebers, Vice-Pres.  
 Patrick E. Hennessey, Secretary  
 Kevin P. Coffey  
 John W. Sundelius

**SERVING:**

Combined Locks  
 Kaukauna  
 Kimberly  
 Little Chute  
 Darbo 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:** October

**Year:** 2021

## Gallons of Final Effluent Purchased (Billing)

<u>Date</u>	<u>Gallons</u>	<u>Date</u>	<u>Gallons</u>
10/1/2021	0	10/21/2021	3,267,000
10/2/2021	0	10/22/2021	3,085,000
10/3/2021	0	10/23/2021	3,034,000
10/4/2021	0	10/24/2021	3,101,000
10/5/2021	0	10/25/2021	3,055,000
10/6/2021	0	10/26/2021	2,932,000
10/7/2021	0	10/27/2021	3,400,000
10/8/2021	0	10/28/2021	2,954,000
10/9/2021	31,000	10/29/2021	2,817,000
10/10/2021	1,674,000	10/30/2021	3,406,000
10/11/2021	2,398,000	10/31/2021	2,720,000
10/12/2021	2,182,000		
10/13/2021	2,350,000		
10/14/2021	2,088,000	<b>Total:</b>	62,089,000
10/15/2021	2,338,000		
10/16/2021	2,572,000		
10/17/2021	2,804,000		
10/18/2021	3,369,000		
10/19/2021	3,426,000		
10/20/2021	3,086,000		

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

**Attn:** Account # N2310E

## **MONTHLY BILLING**

**Month:** October

**Year:** 2021

**GALLONS PURCHASED:** 62,089,000

**BILLING RATE:** \$0.1619962 PER 1000 GALLONS

**TOTAL AMOUNT DUE: \$10,058.18**

**Heart of the Valley  
Metropolitan Sewerage District**

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

**2021**

**Final Effluent Sent to Fox Energy Facility**

**Gallons: 820,595,000**

**Charge Per 1000 Gallons: \$0.1619962 Per 1000 Gallons**

**Sale of Final Effluent (Revenue Collected): \$132,933.27**