

NORTH SHORE WATER COMMISSION  
 Monthly Summary of Operations  
 Month of October, 2017  
 Revised 1/4/2018

	WFB.	GLE.	FPT.	MEQ	Totals
M.G. Metered at Plant	29.746	42.983	28.830	0.000	101.559
M.G. Milwaukee Interconnect	0.000	0.000	0.000	0.000	0.000
M.G. Metered in System	0.981	4.397	-11.920	6.542	0.000
M.G. Charged to Members	30.727	47.380	16.910	0.000	95.017
M.G. Charged to All Users	30.727	47.380	16.910	6.542	101.559
M.G. Same Month Last Year (Members)	27.392	48.997	15.511	6.793	91.900
M.G. Same Month Last Year (All)	27.392	48.997	15.511	6.793	98.693
Accumulated M.G.	317.977	507.818	166.706	70.898	1063.399
Accumulated M.G. Last Year	318.049	535.213	178.782	73.753	1105.797
Accumulated % of Total Pumped	29.90%	47.75%	15.68%	6.67%	100.00%
Monthly % of Total Pumped	30.26%	46.65%	16.65%	6.44%	100.00%
Accumulated % Pumped of Members	32.04%	51.17%	16.80%		100.00%
Monthly % Pumped of Members	32.34%	49.86%	17.80%		100.00%
Average Daily Pumpage in M.G.	0.991	1.528	0.545	0.211	3.276

	Oct. 2017	Oct. 2016
Maximum Day Pumpage (MG)	4.235	3.459
Date of Max. Pumpage (Day)	3	5
Maximum Flow Rate (MGD)	8.017	5.186
Date of Max Flow (Day)	2	1
Hour of Max Flow (24 Hour Clock)	6	11
Average Station Pressure (PSI)	83.5	83.5
Avg. Total Cl Residual (mg/L) - Tap	2.70	2.34
Raw Water Temperature (F) - Max	62	60
Raw Water Temperature (F) - Ave	48	53
Raw Water Temperature (F) - Min	43	44
Tap Hardness (mg/L as CaCO3) - Max	148	138
Tap Hardness (mg/L as CaCO3) - Ave	137	136
Tap Hardness (mg/L as CaCO3) - Min	134	130

	Oct. 2017	Oct. 2016
Bender On-Peak Consumption (KWH)	51,870	54,198
Bender Off-Peak Consumption (KWH)	123,477	107,620
Klode On-Peak Consumption (KWH)	14,162	14,356
Klode Off-Peak Consumption (KWH)	25,414	24,638
Electrical Charge / KWH	\$0.08517	\$0.08873
KWH / M.G.	2,116	2,035
\$ / M.G.	\$180.23	\$180.54

	Oct. 2017		Oct. 2016	
Chemicals Applied	mg/L	\$/MG	mg/L	\$/MG
Ammonium Hydroxide (act. lbs)	0.804	\$8.47	0.621	\$6.81
Sodium Hypochlorite (act. lbs)	3.665	\$17.61	3.728	\$18.11
Fluoride (act. lbs)	0.798	\$5.81	0.794	\$6.35
Alum (scale lbs)	10.871	\$4.98	7.763	\$5.37
Mussel Control (scale lbs)	0.847	\$7.84	0.549	\$5.08
Phosphates (scale lbs)	2.575	\$9.44	2.342	\$9.15
Cationic Polymer (scale lbs)	0.865	\$4.68	0.970	\$5.37
Total Chemical Cost		\$58.83		\$56.24

	Oct. 2017		Oct. 2016	
Water Metering	M.G.	% Diff.	M.G.	% Diff.
Corrected High Service (Filters)	103.807	2.2	99.533	0.9
Total High Service	106.119	4.5	101.158	2.5
Communities	101.559	0.0	98.693	0.0