

NORTH SHORE WATER COMMISSION  
 Monthly Summary of Operations  
 Month of December, 2017  
 1/9/2018

	WFB.	GLE.	FPT.	MEQ	Totals
M.G. Metered at Plant	27.235	39.964	26.689	0.000	93.888
M.G. Milwaukee Interconnect	0.000	0.000	0.000	0.000	0.000
M.G. Metered in System	0.866	3.255	-10.828	6.707	0.000
M.G. Charged to Members	28.101	43.219	15.861	0.000	87.181
M.G. Charged to All Users	28.101	43.219	15.861	6.707	93.888
M.G. Same Month Last Year (Members)	31.267	44.192	15.679	7.033	91.138
M.G. Same Month Last Year (All)	31.267	44.192	15.679	7.033	98.171
Accumulated M.G.	373.859	593.286	196.874	83.977	1247.996
Accumulated M.G. Last Year	379.132	622.111	209.107	87.349	1297.699
Accumulated % of Total Pumped	29.96%	47.54%	15.78%	6.73%	100.00%
Monthly % of Total Pumped	29.93%	46.03%	16.89%	7.14%	100.00%
Accumulated % Pumped of Members	32.12%	50.97%	16.91%		100.00%
Monthly % Pumped of Members	32.23%	49.57%	18.19%		100.00%
Average Daily Pumpage in M.G.	0.906	1.394	0.512	0.216	3.029

	Dec. 2017	Dec. 2016
Maximum Day Pumpage (MG)	3.618	3.689
Date of Max. Pumpage (Day)	27	22
Maximum Flow Rate (MGD)	8.337	6.225
Date of Max Flow (Day)	1	21
Hour of Max Flow (24 Hour Clock)	23	20
Average Station Pressure (PSI)	83.5	83.5
Avg. Total Cl Residual (mg/L) - Tap	2.85	2.67
Raw Water Temperature (F) - Max	42	44
Raw Water Temperature (F) - Ave	38	39
Raw Water Temperature (F) - Min	33	35
Tap Hardness (mg/L as CaCO3) - Max	150	141
Tap Hardness (mg/L as CaCO3) - Ave	139	137
Tap Hardness (mg/L as CaCO3) - Min	132	132

	Dec. 2017	Dec. 2016
Bender On-Peak Consumption (KWH)	48,685	55,160
Bender Off-Peak Consumption (KWH)	111,515	107,098
Klode On-Peak Consumption (KWH)	14,550	14,550
Klode Off-Peak Consumption (KWH)	26,966	28,324
Electrical Charge / KWH	\$0.08707	\$0.08735
KWH / M.G.	2,148	2,090
\$ / M.G.	\$187.07	\$182.52

	Dec. 2017		Dec. 2016	
Chemicals Applied	mg/L	\$/MG	mg/L	\$/MG
Ammonium Hydroxide (act. lbs)	0.788	\$8.29	0.683	\$7.49
Sodium Hypochlorite (act. lbs)	3.715	\$17.85	3.515	\$16.87
Fluoride (act. lbs)	0.755	\$5.50	0.842	\$6.73
Alum (scale lbs)	12.818	\$5.88	8.186	\$5.66
Mussel Control (scale lbs)	0.000	\$0.00	0.000	\$0.00
Phosphates (scale lbs)	2.550	\$9.34	2.315	\$9.05
Cationic Polymer (scale lbs)	0.791	\$4.29	0.784	\$5.66
Total Chemical Cost		\$51.15		\$51.46

	Dec. 2017		Dec. 2016	
Water Metering	M.G.	% Diff.	M.G.	% Diff.
Corrected High Service (Filters)	94.914	1.1	98.449	0.3
Total High Service	106.787	13.7	109.169	11.2
Communities	93.888	0.0	98.171	0.0