

**AGENDA**  
**NORTH SHORE WATER COMMISSION**

400 West Bender Road  
Glendale, WI 53217  
Wednesday, July 12, 2017  
8:00 A.M.

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1. Call to order by the Chairman.
2. Approval of the minutes of the June meeting.
3. Monthly report of plant operations.
4. Discussion of annual operating budget.
5. Approval of monthly bills and estimated invoices.
6. Status report of current capital projects. Action may be taken to approve capital expenditures pertaining to the projects and authorize payment to vendors.
7. Discussion of possible open house in September.
8. Discussion of possible amendments to the Commission's 1957 founding agreement and plan for taking them to the member municipalities. Possible action may be taken regarding this matter.
9. Manager's report.
10. Date and time of the next regular Commission Meeting.
11. Adjournment.

**MINUTES OF THE  
NORTH SHORE WATER COMMISSION  
MEETING OF Wednesday, June 14, 2017**

A meeting of the North Shore Water Commission was held at the Filtration Plant, 400 West Bender Road, Glendale, Wisconsin on Wednesday, June 14, 2017.

Meeting was called to order at 8:05 A.M. by Mr. Edlebeck.

Present: Dave Eastman, Secretary; John Edlebeck, Member

Also present: Eric Kiefer, Plant Manager & Recording Secretary; John Fuchs, Legal Counsel  
Rachel Reiss, Alternate for Glendale

Absent: Paul Boening, Alternate for Whitefish Bay; Scott Botcher, Alternate for Fox Point

No Commissioner has been appointed by the Village of Fox Point to succeed Mr. West at this time.

**MINUTES**

It was moved by Mr. Eastman, seconded by Mr. Edlebeck, and unanimously carried to approve the minutes for the meeting held May 10, 2017.

By unanimous consent, the rules were suspended to proceed with item 9 of the agenda before returning to the order noticed on the agenda.

**FOUNDING AGREEMENT**

Mr. Kiefer provided the Commission with the latest draft of the revised founding agreement. Mr. Fuchs explained that it is ready for the governing bodies to review and possibly take action to execute the revised and restated agreement. Mr. Fuchs stated that he would like for the Commission to schedule meetings with each member community; Mr. Fuchs and Mr. Kiefer would represent the Commission at said meetings.

Mr. Kiefer asked Ms. Reiss how the City of Glendale might proceed with the process. Mr. Reiss indicated that she would request that Mr. Kiefer provide an executive summary discussing major changes in the agreement. The Commission agreed that such a document would be very helpful and should be limited to about 3 pages.

It was moved by Mr. Edlebeck, seconded by Mr. Eastman, and unanimously carried to direct Mr. Kiefer to develop a cover memo for the proposed revised and restatement agreement and to deliver it along with the agreement to the governing bodies of the members communities to review and consider approval.

**MONTHLY REPORT OF PLANT OPERATIONS**

Mr. Kiefer provided the Commission with the monthly report of operations. The report was placed on file without any motion.

## ANNUAL OPERATING BUDGET

Mr. Kiefer presented the monthly financial reports and they were put on file without motion.

### MONTHLY BILLS

It was moved by Mr. Eastman, seconded by Mr. Edlebeck, and unanimously carried that the following payments be approved and authorization was given to the Fiscal Agent to make such payments:

<u>Vendor</u>	<u>Amount</u>
BMO Harris Bank (credit card)	100.15
-- Google (monthly charge for Google Suite Basic): \$54.16	
-- Straight Talk (monthly phone plan - Foreman): \$45.99	
Concentra (pre-employment testing)	167.50
Department of Natural Resources (water use fee)	6,494.00
Diversified Benefit Services (Section 125 Plan administration)	95.92
Earthlink (Bender phone)	153.11
Eurofins (compliance monitoring)	760.00
Faust Company (backflow testing and repairs)	1,133.75
Fuchs & Boyle (legal service)	1,111.50
Grainger (oil, pipet tips, v-belts, blades, hardware, electrical supplies, wrench, bottles, cleaning supplies, hangers, bottles, respirators, plumbing supplies, and first aid)	946.54
Great America (lease payment for copier/printer)	100.00
Hach (phosphate reagent)	410.92
Hawkins (treatment chemicals: aqueous ammonia, phosphate, and polymer)	5,120.64
Home Depot (pH meter probe)	80.74
Idexx (quanticult)	212.01
John Mahnke (reimbursement for training)	120.00
McMaster-Carr (gasket, tubing, fittings, and plumbing supplies)	322.23
Minnesota Life / Securian (employee life insurance)	128.92
Modular Piping Supply (plumbing supplies)	603.04
Mulcahy Shaw (chlorine analyzer reagents)	700.40
Northern Lake Service (compliance monitoring)	1,112.00
Office Copying Equipment (maintenance payment for copier/printer)	23.06
Rotroff Jeanson (monthly accounting services & make closing entries for 2016)	1,428.00
SEH (engineering services for overflow pre-design)	825.00
Spectrum Business (internet services and Klode phone)	391.41
T-Mobile (mobile internet)	31.05
UPS Store (shipping samples to lab)	247.39
US Cellular (cellular phone service)	4.25
USA Bluebook (reagent for chlorine analyzer and phosphate reagent)	424.55
Village Ace Hardware (fuel additive, paint roller cover, paint, and keys)	103.80
Village of Fox Point (gasoline)	115.14
We Energies (Bender Electric - estimate)	14,109.53

We Energies (Bender Gas)		546.83
We Energies (Green Tree Electric)		17.61
We Energies (Henry Clay Electric)		18.68
We Energies (Klode Electric - estimate)		3,965.60
We Energies (Klode Gas)		17.44
Wilkens-Anderson (plate count agar)		123.22
Wisconsin State Lab of Hygiene (fluoride analysis)		25.00
	SUB-TOTAL	\$42,290.93
Maintenance Reserve		
	SUB-TOTAL	\$0.00
	TOTAL	\$42,290.93

### CAPITAL PROJECTS

Mr. Kiefer explained that the Commission purchased a new truck which should be delivered this week. He explained the order was placed in March after the Commission approved procurement of said vehicle.

It was moved by Mr. Edlebeck, seconded by Mr. Eastman, and unanimously carried to approve the payment request in the amount of \$21,619.50 for a new pickup truck as per Mr. Kiefer's memo dated June 14, 2017.

### SALE OF PICKUP TRUCK

Mr. Kiefer provided the Commission with a memo with some background information regarding the Commission's 2000 Chevy Silverado pickup truck. He explained it was purchased in January 2000 and is now at the end of its useful life. Currently, the truck is not roadworthy, and Mr. Kiefer believes the Commission should cease all maintenance on the vehicle and sell it in its current condition.

Mr. Kiefer reported that Michael Rotroff, the Commission's contracted accountant, placed a \$500 bid on the truck. Considering the condition of the truck, Mr. Kiefer recommends the Commission accept the offer.

Mr. Eastman commented that instead of accepting the bid by Mr. Rotroff, Mr. Kiefer should auction the truck off using a website like Wisconsin Surplus or Ebay. Mr. Edlebeck agreed. They both indicated that this course of action will like result in getting the highest possible bid for the truck.

It was moved by Mr. Edlebeck, seconded by Mr. Eastman, and unanimously carried to authorize the Plant Manager to sell the surplus pickup on an auction website.

### PROCUREMENT OF SCADA SOFTWARE

Mr. Kiefer explained that plant staff has been researching SCADA software for over a year and determined that Ignition by Inductive Automation is the best software for the Commission. He explained that the servers have been set up and time has been allocated for him to work on the

project this summer.

Mr. Edlebeck asked how much will it cost for support. Mr. Kiefer indicated the support is roughly \$4,667 per year; however, that will change next year once the redundant server is added. In his estimation, it will cost between \$5,000 and \$6,000 per year for support when the project is completely finished next year.

It was moved by Mr. Edlebeck, seconded by Mr. Eastman, and unanimously carried to accept the proposal for SCADA software by Inductive Automation dated June 8, 2017 in the amount of \$24,111.80 and to authorize the Plant Manager to sign any necessary agreements related to this matter.

### MANAGER'S REPORT

1. Plant staff successfully exchanged and tested the magmeters in the Fox Point master meter vault, Glendale master meter vault, and the Green Tree meter pit using the new meter testing apparatus.
2. Plant staff put the new polymer feed system into operation as well as the phosphate feed system for the ammonia carrier water.
3. Starnet Technologies and plant staff updated SCADA controls pertaining to the high service pumps and intermediate low lift pumps.
4. Plant staff fixed the flow meter on filter 8.
5. Plant staff finished annual maintenance of surface sandwash systems in all filters.
6. Plant staff removed the left effluent valve actuator and drain valve actuator on filter 4 which no longer operate correctly. Replacement actuators have been ordered.
7. John Mahnke started as Relief Operator Technician on May 22.
8. Brenna Franchi ended the spring internship on May 26. Russ Koenig started the summer internship on May 31.

Following the manager's report, it was suggested by the Commission for Mr. Kiefer to consider arranging an open house and conduct tours for the governing bodies of the member communities. Mr. Kiefer agreed it is a good idea and stated that September would be a good time to schedule it--once the school year has started.

Ms. Reiss also asked about the painting schedule for the reservoir vent pipes. She suggested that Mr. Kiefer contact a local school or local artists to paint the pipes to look like flowers. Mr. Kiefer stated it is a good idea; however, he explained that it should happen after the 2020 reservoir project is complete.

### NEXT MEETING

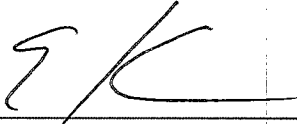
The next regular meeting was scheduled for Wednesday, July 12, 2017 at 8:00 AM. Tentatively, the

August meeting is scheduled for Wednesday, August 16 at 8:00 AM.

ADJOURNMENT

It was moved by Mr. Eastman, seconded by Mr. Edlebeck, and unanimously carried to adjourn at 8:45 A.M.

Submitted by:



6/15/2017

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Eric Kiefer, Plant Manager and Recording Secretary

Date

NORTH SHORE WATER COMMISSION  
Monthly Summary of Operations  
Month of June, 2017  
7/11/2017

	WFB.	GLE.	FPT.	MEQ	Totals
M.G. Metered at Plant	34.956	49.124	33.576	0.000	117.656
M.G. Milwaukee Interconnect	0.000	0.000	0.000	0.000	0.000
M.G. Metered in System	-0.317	6.869	-14.620	8.068	0.000
M.G. Charged to Members	34.639	55.993	18.956	0.000	109.588
M.G. Charged to All Users	34.639	55.993	18.956	8.068	117.656
M.G. Same Month Last Year (Members)	36.726	56.143	20.298	7.916	113.167
M.G. Same Month Last Year (All)	36.726	56.143	20.298	7.916	121.083
Accumulated M.G.	177.623	285.507	89.962	41.166	594.258
Accumulated M.G. Last Year	178.261	301.253	98.082	41.626	619.222
Accumulated % of Total Pumped	29.89%	48.04%	15.14%	6.93%	100.00%
Monthly % of Total Pumped	29.44%	47.59%	16.11%	6.86%	100.00%
Accumulated % Pumped of Members	32.11%	51.62%	16.27%		100.00%
Monthly % Pumped of Members	31.61%	51.09%	17.30%		100.00%
Average Daily Pumpage in M.G.	1.155	1.866	0.632	0.269	3.922

	June 2017	June 2016
Maximum Day Pumpage (MG)	4.788	4.986
Date of Max. Pumpage (Day)	11	29
Maximum Flow Rate (MGD)	9.558	10.307
Date of Max Flow (Day)	16	21
Hour of Max Flow (24 Hour Clock)	8	8
Average Station Pressure (PSI)	83.6	83.5
Avg. Total Cl Residual (mg/L) - Tap	2.81	2.43
Raw Water Temperature (F) - Max	51	63
Raw Water Temperature (F) - Ave	46	53
Raw Water Temperature (F) - Min	43	44
Tap Hardness (mg/L as CaCO3) - Max	150	140
Tap Hardness (mg/L as CaCO3) - Ave	138	135
Tap Hardness (mg/L as CaCO3) - Min	132	130

	June 2017	June 2016
Bender On-Peak Consumption (KWH)	58,111	64,815
Bender Off-Peak Consumption (KWH)	125,473	125,725
Klode On-Peak Consumption (KWH)	15,326	16,490
Klode Off-Peak Consumption (KWH)	30,458	30,846
Electrical Charge / KWH	\$0.08377	\$0.08422
KWH / M.G.	1,949	1,965
\$ / M.G.	\$163.30	\$165.45

	June 2017		June 2016	
	mg/L	\$/MG	mg/L	\$/MG
Chemicals Applied				
Ammonium Hydroxide	0.884	\$9.30	0.497	\$5.45
Sodium Hypochlorite	3.777	\$18.16	2.915	\$21.14
Fluoride	0.732	\$5.85	0.779	\$6.37
Alum	8.951	\$8.55	4.095	\$8.23
Carbon (PAC)	0.000	\$0.00	0.000	\$0.00
Polymer - Mussel Control	0.766	\$7.09	0.603	\$5.57
Phosphates	2.447	\$8.97	2.405	\$9.40
Cationic Polymer	0.700	\$3.79	0.730	\$4.75
Total Chemical Cost		\$61.71		\$60.91

	June 2017		June 2016	
	M.G.	% Diff.	M.G.	% Diff.
Water Metering				
Corrected High Service (Filters)	117.862	0.2	118.973	-1.7
Total High Service	119.117	1.2	121.355	0.2
Communities	117.656	0.0	121.083	0.0

NORTH SHORE WATER COMMISSION  
Income Statement  
For the Five Months Ending May 31, 2017

	Current Month	Current Month Budget	Year to Date Actual	Year to Date Budget	Variance Budget to Actual	
<b>Operating Revenues</b>						
<b>Sales for Resale</b>						
466.01	Glendale-Operations	\$ 52,728.60	\$ 52,728.60	\$ 263,643.00	\$ 263,643.00	0.00
466.02	Whitefish Bay-Operations	32,129.57	32,129.57	160,647.85	160,647.85	0.00
466.03	Fox Point-Operations	17,726.66	17,726.66	88,633.30	88,633.30	0.00
466.05	Wholesale Water Sales	6,261.88	5,833.33	30,261.37	29,166.65	1,094.72
	Sales for Resale	108,846.71	108,418.16	543,185.52	542,090.80	1,094.72
<b>Other Operating Revenue</b>						
474.00	Lab Services Income	600.00	1,166.67	3,480.00	5,833.35	(2,353.35)
	Total Operating Income	109,446.71	109,584.83	546,665.52	547,924.15	(1,258.63)
<b>Operation and Maintenance Expenses</b>						
<b>Source of Supply</b>						
600.00	Operation Supvsn & Engrng	70.57	65.67	340.75	328.35	12.40
601.00	Operations Labor & Expenses	131.61	114.33	610.70	571.65	39.05
602.01	Purchased Water	6,494.00	833.33	7,844.00	4,166.65	3,677.35
603.00	Miscellaneous Expenses	4.18	84.25	4.18	421.25	(417.07)
610.00	Maint Supervisn & Engrng	134.79	125.83	660.11	629.15	30.96
611.00	Maint of Structures & Imprvmnt	131.61	114.33	610.70	571.65	39.05
613.00	Maint. of Crib & Wet Well	0.00	335.92	0.00	1,679.60	(1,679.60)
617.00	Maint of Mis Water Source Plnt	113.06	0.00	192.67	0.00	192.67
	Total Source of Supply Expenses	7,079.82	1,673.66	10,263.11	8,368.30	1,894.81
<b>Pumping Expenses</b>						
620.00	Operations Supvsn & Engrng	1,379.48	1,286.25	6,707.46	6,431.25	276.21
621.00	Fuel for Power Production	564.27	314.58	1,994.13	1,572.90	421.23
623.00	Fuel/Power Purchased for Pmpng	17,922.36	20,123.50	86,605.56	100,617.50	(14,011.94)
624.00	Pumping Labor & Expenses	9,576.44	11,201.92	45,886.27	56,009.60	(10,123.33)
626.00	Miscellaneous Expenses	1,387.19	2,261.67	9,221.61	11,308.35	(2,086.74)
630.00	Maint Supervisn & Engrng	673.92	738.92	3,300.33	3,694.60	(394.27)
631.00	Maint of Structures & Imprvmnt	2,128.71	1,202.08	5,643.68	6,010.40	(366.72)
632.00	Maint of Power Prod Eqpt	0.00	365.75	2,460.78	1,828.75	632.03
633.00	Maint of Pumping Eqpt	2,082.11	3,569.50	14,309.24	17,847.50	(3,538.26)
	Total Pumping Expenses	35,714.48	41,064.17	176,129.06	205,320.85	(29,191.79)
<b>Water Treatment Expenses</b>						
640.00	Operation Suprvsn & Engrng	1,379.51	1,286.25	6,707.46	6,431.25	276.21
641.00	Chemicals	2,784.02	7,130.00	20,593.39	35,650.00	(15,056.61)
642.00	Operation Labor & Expenses	13,011.72	15,759.00	66,483.70	78,795.00	(12,311.30)
643.00	Miscellaneous	1,274.28	2,250.58	8,957.69	11,252.90	(2,295.21)
650.00	Maint Supervision & Engrng	352.78	328.50	1,703.57	1,642.50	61.07
651.00	Maint of Structures & Imprvmnt	994.96	972.83	4,509.93	4,864.15	(354.22)
652.00	Operation Supvsn & Engrng	6,289.36	7,388.50	30,429.45	36,942.50	(6,513.05)
	Total Water Treatment Expenses	26,086.63	35,115.66	139,385.19	175,578.30	(36,193.11)



NORTH SHORE WATER COMMISSION  
Income Statement  
For the Five Months Ending May 31, 2017

	Current Month	Current Month Budget	Year to Date Actual	Year to Date Budget	Variance Budget to Actual	
<b>Transmission &amp; Distribution Expenses</b>						
660.00	Operation Supvsn & Engrng	134.79	125.83	660.11	629.15	30.96
661.00	Storage Facilities Expenses	131.61	114.33	610.70	571.65	39.05
670.00	Maint Supervisn & Engrng	70.57	65.67	340.75	328.35	12.40
676.00	Maintenance of Meters	0.00	83.33	0.00	416.65	(416.65)
	<b>Total Trans. &amp; Distribution Expense</b>	<b>336.97</b>	<b>389.16</b>	<b>1,611.56</b>	<b>1,945.80</b>	<b>(334.24)</b>
<b>Customer Accounts Expenses</b>						
906.00	Customer Service & Infor Exps	70.59	65.67	340.77	328.35	12.42
	<b>Total Customer Accounts Expenses</b>	<b>70.59</b>	<b>65.67</b>	<b>340.77</b>	<b>328.35</b>	<b>12.42</b>
<b>Administration &amp; General Expenses</b>						
408.00	FICA Taxes	2,784.74	3,187.00	13,495.80	15,935.00	(2,439.20)
920.00	Admin & General Salaries	2,822.23	2,995.17	13,628.54	14,975.85	(1,347.31)
921.00	Office Supplies & Expenses	1,412.54	1,261.17	7,417.09	6,305.85	1,111.24
923.00	Outside Services Employed	2,539.50	7,546.42	46,840.99	37,732.10	9,108.89
923.01	Engineering Services	0.00	0.00	3,300.00	0.00	3,300.00
924.00	Prop & P.L. Insurance	0.00	1,777.67	0.00	8,888.35	(8,888.35)
925.00	Injuries & Damages	167.50	3,361.67	502.50	16,808.35	(16,305.85)
926.00	Employee Pensions & Benefits	8,000.22	10,511.50	42,119.09	52,557.50	(10,438.41)
930.00	Miscellaneous General Expenses	33.80	596.58	5,072.27	2,982.90	2,089.37
932.00	Maintenance of General Plant	0.00	89.33	0.00	446.65	(446.65)
	<b>Total Adm. &amp; General Expenses</b>	<b>17,760.53</b>	<b>31,326.51</b>	<b>132,376.28</b>	<b>156,632.55</b>	<b>(24,256.27)</b>
	<b>Total Operations &amp; Maintenance</b>	<b>87,049.02</b>	<b>109,634.83</b>	<b>460,105.97</b>	<b>548,174.15</b>	<b>(88,068.18)</b>
	<b>Net Operating Income</b>	<b>22,397.69</b>	<b>(50.00)</b>	<b>86,559.55</b>	<b>(250.00)</b>	<b>86,809.55</b>
<b>Nonoperating Income and Expense</b>						
419.00	Interest Income	28.55	50.00	123.71	250.00	(126.29)
421.00	Misc Income	0.00	0.00	1,540.00	0.00	1,540.00
	<b>Net Income</b>	<b>\$ 22,426.24</b>	<b>\$ 0.00</b>	<b>\$ 88,223.26</b>	<b>\$ 0.00</b>	<b>88,223.26</b>

NORTH SHORE WATER COMMISSION  
Income Statement  
For the One Month and the Five Months Ended May 31, 2017 and 2016

	<u>Current Month</u>	<u>Prior Year Month</u>	<u>Year to Date Actual</u>	<u>Prior YTD Date Actual</u>
<b>Operating Revenues</b>				
<b>Sales for Resale</b>				
466.01 Glendale-Operations	\$ 52,728.60	\$ 55,672.67	\$ 263,643.00	\$ 278,363.35
466.02 Whitefish Bay-Operations	32,129.57	30,648.35	160,647.85	153,241.75
466.03 Fox Point-Operations	17,726.66	16,872.07	88,633.30	84,360.35
466.05 Wholesale Water Sales	6,261.88	6,293.56	30,261.37	31,352.70
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Sales for Resale	108,846.71	109,486.65	543,185.52	547,318.15
<b>Other Operating Revenue</b>				
474.00 Lab Services Income	600.00	750.00	3,480.00	4,140.00
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Total Operating Income	109,446.71	110,236.65	546,665.52	551,458.15
<b>Operation and Maintenance Expenses</b>				
<b>Source of Supply</b>				
600.00 Operation Supvsn & Engrng	70.57	71.42	340.75	361.42
601.00 Operations Labor & Expenses	131.61	105.72	610.70	506.07
602.01 Purchased Water	6,494.00	6,530.00	7,844.00	7,880.00
603.00 Miscellaneous Expenses	4.18	8.34	4.18	8.34
610.00 Maint Supervisn & Engrng	134.79	126.36	660.11	631.13
611.00 Maint of Structures & Imprvmnt	131.61	105.72	610.70	506.07
617.00 Maint of Mis Water Source Plnt	113.06	121.32	192.67	180.87
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Total Source of Supply Expenses	7,079.82	7,068.88	10,263.11	10,073.90
<b>Pumping Expenses</b>				
620.00 Operations Supvsn & Engrg	1,379.48	1,346.15	6,707.46	6,770.20
621.00 Fuel for Power Production	564.27	711.04	1,994.13	770.70
623.00 Fuel/Power Purchased for Pmpng	17,922.36	19,489.97	86,605.56	90,129.62
624.00 Pumping Labor & Expenses	9,576.44	10,717.47	45,886.27	48,923.54
626.00 Miscellaneous Expenses	1,387.19	1,796.83	9,221.61	10,204.31
630.00 Maint Supervisn & Engrng	673.92	631.83	3,300.33	3,155.72
631.00 Maint of Structures & Imprvmnt	2,128.71	782.38	5,643.68	4,141.81
632.00 Maint of Power Prod Eqpt	0.00	3,399.77	2,460.78	3,399.77
633.00 Maint of Pumping Eqpt	2,082.11	3,249.78	14,309.24	10,289.63
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Total Pumping Expenses	35,714.48	42,125.22	176,129.06	177,785.30

**NORTH SHORE WATER COMMISSION**  
**Income Statement**  
For the One Month and the Five Months Ended May 31, 2017 and 2016

	<u>Current Month</u>	<u>Prior Year Month</u>	<u>Year to Date Actual</u>	<u>Prior YTD Date Actual</u>
<b>Water Treatment Expenses</b>				
640.00	1,379.51	1,346.15	6,707.46	6,770.16
641.00	2,784.02	2,032.47	20,593.39	32,710.86
642.00	13,011.72	12,215.36	66,483.70	64,560.71
643.00	1,274.28	1,788.78	8,957.69	10,137.10
650.00	352.78	357.16	1,703.57	1,807.25
651.00	994.96	782.38	4,509.93	4,198.09
652.00	6,289.36	8,519.18	30,429.45	31,311.24
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Total Water Treatment Expenses	26,086.63	27,041.48	139,385.19	151,495.41
<b>Transmission &amp; Distribution Expenses</b>				
660.00	134.79	126.36	660.11	631.13
661.00	131.61	105.72	610.70	506.07
670.00	70.57	71.42	340.75	361.42
	<hr/>	<hr/>	<hr/>	<hr/>
Total Trans. & Distribution Expenses	336.97	303.50	1,611.56	1,498.62
<b>Customer Accounts Expenses</b>				
906.00	70.59	71.42	340.77	361.42
	<hr/>	<hr/>	<hr/>	<hr/>
Total Customer Accounts Expenses	70.59	71.42	340.77	361.42
<b>Administration &amp; General Expenses</b>				
408.00	2,784.74	2,919.61	13,495.80	13,839.14
920.00	2,822.23	2,857.24	13,628.54	14,457.72
921.00	1,412.54	1,109.30	7,417.09	5,885.23
923.00	2,539.50	2,703.55	46,840.99	48,280.39
923.01	0.00	0.00	3,300.00	0.00
925.00	167.50	162.50	502.50	1,119.50
926.00	8,000.22	8,274.60	42,119.09	41,151.89
930.00	33.80	58.06	5,072.27	5,205.01
	<hr/>	<hr/>	<hr/>	<hr/>
Total Adm. & General Expenses	17,760.53	18,084.86	132,376.28	129,938.88
	<hr/>	<hr/>	<hr/>	<hr/>
Total Operations & Maintenance	87,049.02	94,695.36	460,105.97	471,153.53
	<hr/>	<hr/>	<hr/>	<hr/>
Net Operating Income	22,397.69	15,541.29	86,559.55	80,304.62
<b>Nonoperating Income and Expense</b>				
419.00	28.55	8.21	123.71	100.60
421.00	0.00	3,644.00	1,540.00	4,144.00
	<hr/>	<hr/>	<hr/>	<hr/>
Net Income	\$ 22,426.24	\$ 19,193.50	\$ 88,223.26	\$ 84,549.22
	<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>

## NORTH SHORE WATER COMMISSION

Balance Sheet  
 May 31, 2017 and 2016

<u>Account</u>	<u>Description</u>	<u>Current Year</u>	<u>Prior Year</u>
<b>Assets and Other Debits</b>			
<b>Cash</b>			
131.01	Checking	\$ 301,101.61	231,473.27
131.02	Pay Pal Account	545.46	545.46
131.09	Petty Cash	50.00	50.00
135.01	LGIP - Emergency Fund	25,188.41	0.00
136.00	Temporary Investments	0.00	25,073.38
	Total Cash	326,885.48	257,142.11
142.00	Accounts Receivable	15,230.26	29,018.84
143.00	Other Receivables	1,210.00	0.00
154.05	Storm Water Testing Inventory	274.59	283.24
165.00	Prepayments	6,524.52	6,698.76
174.01	Due (to)/from Utility Plant Fd	(88,442.16)	(26,060.48)
	Total Assets & Other Debits	\$ 261,682.69	267,082.47
<b>Liabilities and Other Credits</b>			
<b>Liabilities</b>			
232.00	Accounts Payable	\$ 42,410.92	57,322.39
233.00	Payable to Municipalities	2,651.61	2,697.24
	Sect125 Payable	548.00	1,615.38
242.07	Payroll Liabilities	866.26	966.47
242.09	Wages Payable	23,101.12	23,159.46
242.10	Accrued Payroll Taxes	1,767.24	1,765.53
	Total Liabilities	71,345.15	87,526.47
<b>Earned Surplus</b>			
<b>Unappropriated Earned Surplus: Beginning of Year</b>			
215.01	Glendale - Operations	24,420.50	20,586.70
215.02	Whitefish Bay - Operations	18,149.85	16,040.45
215.03	Fox Point - Operations	9,543.93	8,379.63
	Unappropriated Earned Surplus	52,114.28	45,006.78
<b>Appropriations of Surplus</b>			
215.11	Glendale Emergency	11,500.00	11,500.00
215.12	Whitefish Bay Emergency	8,127.50	8,127.50
215.13	Fox Point Emergency	5,372.50	5,372.50
216.91	Glendale Contingency	13,707.50	13,707.50
216.92	Whitefish Bay Contingency	7,100.00	7,100.00
216.93	Fox Point Contingency	4,192.50	4,192.50
	Total Appropriations of Surplus	50,000.00	50,000.00
<b>Balance Transferred from Income</b>			
	Net Income	88,223.26	84,549.22
	Total Earned Surplus	190,337.54	179,556.00
	Total Liabilities & Other Credits	\$ 261,682.69	267,082.47

NORTH SHORE WATER COMMISSION  
Plant Financing by Utility or Municipalities  
For the Five Months Ending May 31, 2017 and 2016

	Current Month	Year to Date This Year	Current YTD Budget	PY Current Mo.	PY Year to Date
<b>Capital Contributions from Members</b>					
40-421.0 Glendale Charges for Plant	\$ 0.00	17,590.45	0.00	561.53	9,540.77
40-421.0 Whitefish Bay Charge for Pla	0.00	12,109.19	0.00	386.56	6,567.81
40-421.0 Fox Point Charges for Plant	0.00	6,817.80	0.00	217.64	3,697.85
	<u>0.00</u>	<u>36,517.44</u>	<u>0.00</u>	<u>1,165.73</u>	<u>19,806.43</u>
<b>Total Capital Contributions</b>					
<b>Other Funding Sources</b>					
40-466.0 Wholesale Water Sales	5,656.77	27,295.47	0.00	5,671.12	27,068.11
40-419.0 Interest	343.88	1,456.87	0.00	202.92	934.35
	<u>6,000.65</u>	<u>28,752.34</u>	<u>0.00</u>	<u>5,874.04</u>	<u>28,002.46</u>
<b>Other Funding Sources</b>					
	<u>6,000.65</u>	<u>28,752.34</u>	<u>0.00</u>	<u>5,874.04</u>	<u>28,002.46</u>
<b>Total Funding Sources</b>					
	<u>6,000.65</u>	<u>65,269.78</u>	<u>0.00</u>	<u>7,039.77</u>	<u>47,808.89</u>
<b>Utility Plant Expenditures</b>					
<b>Source of Supply</b>					
	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
<b>Pumping Plant</b>					
40-325 Electric Pumping Equipment	0.00	0.00	0.00	0.00	423.32
	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>423.32</u>
<b>Water Treatment Plant</b>					
40-332 Sand or Media Filtration Equ	0.00	0.00	33,027.90	0.00	0.00
40-334 Other Water Treatment Equi	0.00	3,326.24	7,550.00	800.61	20,085.14
	<u>0.00</u>	<u>3,326.24</u>	<u>40,577.90</u>	<u>800.61</u>	<u>20,085.14</u>
<b>Tranmission &amp; Distribution Plant</b>					
	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
<b>General Plant</b>					
40-392 Transportation Equipment	0.00	0.00	10,416.65	0.00	0.00
40-395 Laboratory Equipment	0.00	0.00	0.00	1,351.96	36,394.30
40-397.1 SCADA Equipment	0.00	32,686.57	34,985.85	0.00	0.00
	<u>0.00</u>	<u>32,686.57</u>	<u>45,402.50</u>	<u>1,351.96</u>	<u>36,394.30</u>
<b>Total Utility Plant Expenditu</b>					
	<u>0.00</u>	<u>36,012.81</u>	<u>85,980.40</u>	<u>2,152.57</u>	<u>56,902.76</u>
<b>Sources of Funding</b>					
Over (Under) Expenditures	\$ <u>6,000.65</u>	<u>29,256.97</u>	<u>(85,980.40)</u>	<u>4,887.20</u>	<u>(9,093.87)</u>

NORTH SHORE WATER COMMISSION  
Utility Plant Assets and Contributed Capital  
May 31, 2017 and 2016

<u>Account</u>	<u>Description</u>		<u>Current Year</u>	<u>Prior Year</u>
<b>Assets</b>				
40-131.00	Savings	\$	573,224.36	570,332.62
40-142.00	Receivable for Asset Additions		17,590.45	3,424.15
40-174.01	Due (to)/from Operations		88,442.16	26,060.48
			<hr/>	<hr/>
	Total Assets	\$	679,256.97	599,817.25
			<hr/> <hr/>	<hr/> <hr/>
<b>Liabilities and Contributed Capital</b>				
<b>Liabilities</b>				
40-232.00	Accounts Payable Utility Plant	\$	0.00	2,137.90
			<hr/>	<hr/>
	Total Liabilities		0.00	2,137.90
<b>Contributed Capital</b>				
<b>Reserve Balances:</b>				
40-215.01	Glendale Plant Reserve		313,103.78	249,710.47
40-215.02	Whitefish Bay Plant Reserve		215,541.42	218,823.04
40-215.03	Fox Point Plant Reserve		121,354.80	138,239.71
			<hr/>	<hr/>
	Total Reserve Balances		650,000.00	606,773.22
<b>Current Year Capital Contributions and Other Funding Sources</b>				
	Over (Under) Expenditures		29,256.97	(9,093.87)
			<hr/>	<hr/>
	Net Contributions to Capital		679,256.97	597,679.35
			<hr/>	<hr/>
	Total Liabilities & Contributed Capital	\$	679,256.97	599,817.25
			<hr/> <hr/>	<hr/> <hr/>

NORTH SHORE WATER COMMISSION  
 Storm Water Income Statement  
 For the Five Months Ending May 31, 2017

	<u>Current Month</u>		<u>Year to Date</u>	
Total Revenues	<u>0.00</u>	0.00	<u>0.00</u>	0.00
Expenses	<u>0.00</u>	0.00	<u>0.00</u>	0.00
Revenues	<u>0.00</u>	0.00	<u>0.00</u>	0.00
Net Income	<u>\$ 0.00</u>	0.00	<u>\$ 0.00</u>	0.00

**BILLS TO BE APPROVED AT COMMISSION MEETING OF****7/12/2017**

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A.C. Engineering (high voltage maintenance)	2,246.70
Alexander Chemical (treatment chemicals: aluminum sulfate and sodium hypochlorite)	5,145.95
Badger Instrument Service (annual lab equipment calibration)	256.80
Batteries Plus (lamps)	73.75
BMO Harris Bank (credit card)	168.64
-- Amazon (storage boxes, tubing fittings, and submersible pump): \$41.80	
-- Google (monthly charge for Google Suite Basic): \$54.16	
-- Straight Talk (monthly phone plan - Foreman): \$45.99	
-- USPS (postage): \$26.69	
Cintas (uniforms)	281.28
City of Milwaukee (water standby service)	1,350.00
Concentra (respirator fit testing)	460.00
Diversified Benefit Services (Section 125 Plan administration)	95.46
Earthlink (Bender phone)	154.61
Eurofins (compliance monitoring)	380.00
Fuchs & Boyle (legal service)	380.25
Glendale Water Utility (environmental charge and storm water charge)	591.60
Grainger (threaded rod, UPS for computer, bottles, janitorial supplies, first aid supplies, boots, brushes, turbidity standard, floor striper, hardware, grease, barricade sign, cones, and penetrating oil)	1,148.91
Great America (lease payment for copier/printer)	100.00
Hawkins (treatment chemicals: aqueous ammonia and phosphate)	2,614.27
Heritage (checks)	439.25
Home Depot (galvanized pipe)	9.98
McMaster-Carr (steel angle)	118.56
Minnesota Life / Securian (employee life insurance)	128.92
MMSD (2nd quarter sludge disposal)	1,327.10
Nalco (treatment chemical: Veligon TL-M)	1,996.89
Northern Lake Service (compliance monitoring)	627.00
Office Copying Equipment (maintenance payment for copier/printer)	35.20
Rotroff Jeanson (monthly accounting services)	1,010.00
Spanning Cloud Apps (Google Apps backup user)	33.56
Spectrum Business (internet services and Klode phone)	401.45
T-Mobile (mobile internet)	31.05
US Cellular (cellular phone service)	5.95
USA Bluebook (Standard Methods 23rd ed. and thermometer)	406.54
Vacuum, Pump, and Compressor (oil and separator)	676.29
Village Ace Hardware (putty knife, scrapper, herbicide, MAP gas, and sledge hammer)	114.24
Village of Fox Point (gasoline)	145.88
Village of Whitefish Bay Water Utility (Klode Park water bill)	226.13
We Energies (Bender Electric)	14,760.01
We Energies (Bender Gas)	406.88



We Energies (Green Tree Electric)	16.53
We Energies (Henry Clay Electric)	17.60
We Energies (Klode Electric)	4,262.36
We Energies (Klode Gas)	14.01
Wilkens-Anderson (squeeze bottles and turbidity standard)	431.22
Wisconsin State Lab of Hygiene (fluoride analysis)	25.00
Xylem Water Solutions (nitrile caps for sandwash system)	1,056.19

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SUB-TOTAL	\$44,172.01
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Maintenance Reserve

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SUB-TOTAL	\$0.00
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TOTAL	\$44,172.01
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6/30/2017 Checking account balance - Main	\$323,255.62
6/30/2017 Checking account balance - Secondary	\$545.46
6/30/2017 Local Government Investment Pool balance (Maintenance Reserve)	\$573,587.22
6/30/2017 Local Government Investment Pool balance (Emergency Fund)	\$25,204.35

**North Shore Water Commission  
Payment Request  
SCADA Upgrade Project (2017-1)**

Eric Kiefer  
July 12, 2017

Expenses pertaining to the SCADA Upgrade Project were reviewed and approved by the Commission.

The Commission is requesting payment of \$25,570.25 for expenses assigned to this capital improvement project. The proportionate costs for the respective municipalities are as follows:

<i>Member</i>	<i>Capital Rate*</i>	<i>Amount Due</i>
<i>Fox Point</i>	<i>18.67%</i>	<i>\$4,773.97</i>
<i>Glendale</i>	<i>48.17%</i>	<i>\$12,317.19</i>
<i>Whitefish Bay</i>	<i>33.16%</i>	<i>\$8,479.09</i>

Respectfully,

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Eric Kiefer

*\*Rates approved at the January 14, 2015 Commission Meeting.*

**North Shore Water Commission**  
**SCADA Upgrade Project (2017-1)**

Invoices for Meeting

Eric Kiefer

July 12, 2017

<b>Vendor</b>	<b>Invoice Number</b>	<b>Units</b>	<b>Qty</b>	<b>Description</b>	<b>Line Cost</b>
Amazon	113-2822129-6413824	Item	1	Windows, Operating System, 8.1 Pro, Single License	189.99
Amazon	113-2822129-6413824	Shipment	1	Shipping and Handling	12.00
Inductive Automation	1092375	Item	1	Ignition, Inductive Automation, SCADA Software, Custom Package	19,445.00
Inductive Automation	1092375	Period, Year	1	Ignition, Inductive Automation, SCADA Software, Total Care Support	4,666.80
<b>TOTAL</b>					<b>\$24,313.79</b>

**North Shore Water Commission**  
**SCADA Upgrade Project (2017-1)**

Labor Assigned to Project

Eric Kiefer

July 12, 2017

<b>Pay Period</b>	<b>Employee Name</b>	<b>Hours</b>	<b>Cost</b>
06/24/2017 to 07/08/2017	Eric Kiefer	29.00	1,035.07
06/24/2017 to 07/08/2017	Mark Peters	7.00	221.39
<b>TOTAL</b>			<b>\$1,256.46</b>

**North Shore Water Commission**  
**Payment Request**  
**Filter Improvements (2017-2)**

Eric Kiefer  
July 12, 2017

Expenses pertaining to the filter improvements project were reviewed and approved by the Commission.

The Commission is requesting payment of \$22,172.35 for expenses assigned to this capital improvement project. The proportionate costs for the respective municipalities are as follows:

<i>Member</i>	<i>Capital Rate*</i>	<i>Amount Due</i>
<i>Fox Point</i>	<i>18.67%</i>	<i>\$4,139.58</i>
<i>Glendale</i>	<i>48.17%</i>	<i>\$10,680.42</i>
<i>Whitefish Bay</i>	<i>33.16%</i>	<i>\$7,352.35</i>

Respectfully,

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Eric Kiefer

*\*Rates approved at the January 14, 2015 Commission Meeting.*

**North Shore Water Commission**

**Filter Improvements (2017-2)**

Invoices for Meeting

Eric Kiefer

June 14, 2017

<b>Vendor</b>	<b>Invoice Number</b>	<b>Units</b>	<b>Qty</b>	<b>Description</b>	<b>Line Cost</b>
Swanson Flo	1197058	Item	1	Valve, Actuator, Electric, Limitorque, QX-3-WP-120V-MOD-APT-4-20MA	4711.00
Swanson Flo	1197058	Item	4	Valve, Actuator, Electric, Limitorque, QX-5-WP-120V-STD-ON-OFF	17304.00
Swanson Flo	1197058	Item	1	Shipping and Handling	157.35
<b>TOTAL</b>					<b>\$22,172.35</b>

**North Shore Water Commission**  
**Payment Request**  
**Truck Replacement Project (2017-5)**

Eric Kiefer  
July 12, 2017

Expenses pertaining to the truck replacement project were reviewed and approved by the Commission.

The Commission is requesting payment of \$176.89 for expenses assigned to this capital improvement project. The proportionate costs for the respective municipalities are as follows:

<i>Member</i>	<i>Capital Rate*</i>	<i>Amount Due</i>
<i>Fox Point</i>	<i>18.67%</i>	<i>\$33.03</i>
<i>Glendale</i>	<i>48.17%</i>	<i>\$85.21</i>
<i>Whitefish Bay</i>	<i>33.16%</i>	<i>\$58.65</i>

Respectfully,

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Eric Kiefer

*\*Rates approved at the January 14, 2015 Commission Meeting.*

**North Shore Water Commission**  
**Truck Replacement Project (2017-5)**  
Invoices for Meeting  
Eric Kiefer  
July 12, 2017

<b>Vendor</b>	<b>Invoice Number</b>	<b>Units</b>	<b>Qty</b>	<b>Description</b>	<b>Line Cost</b>
Fast Signs	138708	Application	1	Truck, Decal, North Shore Water Commission & Installation Services	176.89
<b>TOTAL</b>					<b>\$176.89</b>



## **North Shore Water Commission Manager's Report of Operations**

*Period: June 13 - July 11*

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1. Plant staff successfully exchanged and tested the magmeters in the Whitefish Bay master meter vault and the Henry Clay meter pit using the new meter testing apparatus.
2. Plant staff fixed the raw water flow meter.
3. Plant staff replaced a broken flocculator shaft and a pillow-block bearing in basin #1. The basin is now in operation.
4. Basin #5 is being drained and prepared for a cleaning and inspection.
5. A.C. Engineering completed annual maintenance and testing of the north primary substation. All tests indicate the equipment is in good operating condition.
6. During scheduled maintenance of the primary substation, A.C. Engineering discovered a problem with one of the transfer switch breakers. The breaker had to be replaced with the spare purchased last year. Plant staff solicited a proposal from A.C. Engineering to repair the breaker.
7. Plant staff removed abandoned control wiring for high service pump #3 and other abandoned gate valves.
8. Plant staff repaired several sections of conductor bar for the overhead crane in the motor room.
9. The 2000 Chevy Silverado 2500 pickup truck was auctioned on WisconsinSurplus.com. The truck sold for \$2,235.00.
10. Plant staff started stripping and waxing the filter room floor.
11. Plant staff is in the process of switching phone providers from Earthlink to Spectrum. A backup internet connection will also be installed.



North Shore Water Commission

Extended Monthly Report (Page 2) June 2017  
Flows Uncorrected for Distribution Activity

Date	High Service PSI (Gauge #1)			High Service PSI (Gauge #2)			WFB Tower PSI			Glen Standpipe PSI			FPT Standpipe PSI			WFB Standpipe Level (ft)			Glen Standpipe Level (ft)			FPT Tower Level (ft)			Monthly Pumpage RANK	Sum Master Meters (MGD)			WFB Flow (MGD)			Glen Flow (MGD)			FPT Flow (MGD)		
	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min		Max	Ave	Min	Max	Ave	Min	Max	Ave	Min	Max	Ave	Min
6/1/2017	84.34	82.97	80.93	84.64	83.50	81.48	69.16	67.08	63.37	43.40	40.88	36.34	62.39	51.86	38.98	23.02	18.00	12.58	74.80	62.09	51.80	23.18	20.87	18.33	23	5.19	3.66	2.21	1.94	1.07	0.54	2.05	1.57	0.91	1.82	1.01	0.25
6/2/2017	87.07	82.88	63.86	87.00	83.39	68.87	72.86	66.99	62.82	43.91	40.84	36.64	62.94	51.67	38.11	23.02	17.52	11.89	74.83	61.68	51.83	23.19	20.82	18.27	28	5.30	3.72	0.00	1.99	1.09	-0.32	2.17	1.59	0.50	1.88	1.05	0.25
6/3/2017	85.30	83.04	80.74	85.72	83.50	80.82	69.63	67.07	63.90	44.55	41.18	36.97	62.72	51.91	38.42	23.03	18.20	12.92	77.22	66.97	54.51	23.19	20.87	18.31	26	5.17	3.41	1.71	1.93	1.04	0.11	2.02	1.43	0.75	1.68	0.94	-0.06
6/4/2017	84.46	83.05	81.34	84.87	83.49	81.76	69.02	67.12	63.78	44.78	41.31	37.31	62.65	51.82	37.86	22.99	18.39	13.20	77.21	66.99	53.09	23.19	20.90	18.38	21	5.17	3.67	1.49	2.03	1.13	0.46	2.04	1.50	0.63	1.77	1.04	0.00
6/5/2017	84.51	83.03	80.84	84.84	83.51	81.31	69.14	67.10	63.33	43.13	40.84	35.46	62.71	52.58	38.16	23.03	18.11	12.40	77.24	63.50	51.83	22.48	19.99	17.89	20	5.78	3.67	2.10	2.10	1.11	0.48	2.23	1.62	1.22	1.74	0.95	0.00
6/6/2017	85.20	83.06	80.48	85.56	83.50	81.05	69.30	66.95	62.85	43.38	40.73	35.57	62.18	50.87	38.58	23.01	17.73	12.02	75.73	62.52	51.83	22.38	19.59	17.04	14	6.36	3.96	2.49	2.25	1.17	0.55	2.34	1.70	1.22	1.91	1.09	0.23
6/7/2017	85.54	83.35	80.31	86.21	83.79	81.45	70.43	67.12	63.82	44.56	40.94	36.81	63.45	51.11	37.93	23.03	17.91	12.65	77.28	64.19	51.84	22.79	20.06	17.44	11	5.11	4.13	2.34	2.16	1.25	0.58	2.41	1.70	1.06	1.97	1.18	0.31
6/8/2017	85.49	83.36	81.29	85.88	83.80	81.94	70.10	67.05	63.60	47.59	40.89	36.66	63.59	51.44	37.66	23.14	18.22	13.35	77.30	64.17	51.84	23.18	20.58	17.98	13	5.16	4.06	2.39	2.21	1.25	0.53	2.27	1.69	1.16	1.70	1.13	0.35
6/9/2017	85.99	83.27	80.74	85.91	83.70	81.10	70.43	67.24	63.45	44.64	40.90	36.61	63.79	51.75	38.06	23.06	17.60	11.97	77.27	63.62	51.84	23.18	20.87	18.33	10	6.25	4.14	2.19	2.18	1.24	0.58	2.22	1.70	1.09	2.76	1.20	0.22
6/10/2017	84.48	83.01	80.79	84.83	83.44	81.25	69.28	67.03	63.98	43.53	40.59	36.20	62.55	51.55	38.11	22.90	16.89	11.32	77.27	64.87	51.85	23.19	20.88	18.36	5	5.19	4.51	3.16	2.13	1.36	0.70	2.46	1.87	1.12	2.02	1.27	0.35
6/11/2017	85.39	83.05	78.39	85.84	83.49	78.71	69.71	67.02	62.36	46.76	40.53	35.96	62.93	51.38	38.73	22.93	16.60	10.87	77.30	64.10	48.04	23.19	20.79	18.29	1	6.61	4.79	3.45	2.24	1.48	0.82	2.49	1.92	1.14	2.38	1.38	0.33
6/12/2017	85.87	83.75	80.07	86.26	84.18	81.17	69.34	67.15	63.73	43.60	40.24	35.80	62.72	59.74	38.28	22.10	17.81	13.28	74.84	59.98	51.88	22.71	19.73	15.57	2	6.59	4.68	2.60	2.39	1.57	0.82	2.57	1.88	0.00	2.33	1.24	0.40
6/13/2017	85.73	83.56	80.62	85.97	83.99	81.24	70.29	67.94	63.44	46.30	41.24	36.50	63.30	55.27	37.88	23.04	19.88	14.12	76.93	65.40	51.84	18.51	15.74	13.89	24	6.93	3.64	1.68	2.37	1.02	0.11	2.57	1.63	0.95	2.02	0.99	0.20
6/14/2017	86.09	83.19	80.29	85.98	83.63	80.98	69.94	66.97	63.79	44.31	40.82	35.38	62.62	52.61	37.57	22.99	19.26	15.65	74.06	62.90	51.89	16.84	14.09	11.19	15	8.12	3.90	2.03	3.04	1.15	0.00	2.91	1.66	1.11	2.37	1.10	0.34
6/15/2017	86.02	83.58	78.66	86.54	84.03	79.94	70.91	67.66	63.80	45.08	40.82	35.31	62.19	46.26	32.69	23.13	19.90	14.29	77.35	66.34	51.89	17.29	15.50	12.93	3	7.32	4.53	2.41	2.56	1.29	0.46	2.68	1.84	1.10	2.21	1.40	0.50
6/16/2017	86.45	83.61	80.07	87.79	84.05	80.50	71.44	67.61	63.28	44.28	40.55	35.46	62.97	50.25	33.61	23.05	18.51	12.33	77.31	65.75	52.26	21.99	19.13	15.82	4	9.56	4.52	1.98	3.39	1.31	0.30	3.31	1.92	1.13	2.93	1.29	0.41
6/17/2017	86.14	83.44	79.66	86.41	83.87	80.04	70.41	67.45	62.87	48.56	41.17	35.44	63.28	60.87	57.96	23.02	18.20	12.03	77.46	67.69	56.18	15.84	12.16	9.09	30	5.86	3.19	1.16	2.34	0.96	0.07	2.51	1.48	0.77	1.45	0.74	0.12
6/18/2017	86.38	83.31	63.15	86.51	83.75	66.23	70.69	67.30	53.74	45.70	41.42	25.17	63.32	60.67	42.52	23.02	18.17	12.30	77.40	68.50	55.99	9.16	5.70	2.83	29	5.99	3.24	0.05	2.23	0.99	0.11	2.33	1.45	-0.10	1.62	0.81	0.04
6/19/2017	86.47	82.87	75.61	86.87	83.32	76.24	71.33	66.99	60.04	46.78	40.58	32.36	62.52	59.38	52.11	23.01	18.06	12.12	77.65	67.10	55.86	2.97	2.90	2.80	12	7.87	4.13	2.25	2.78	1.20	0.27	3.31	1.70	1.01	2.11	1.23	0.76
6/20/2017	86.47	83.38	77.41	86.85	83.85	77.77	72.05	67.10	63.87	45.61	41.15	33.06	63.34	60.08	53.37	22.99	18.67	13.92	77.27	67.90	55.53	3.01	2.90	2.79	16	6.39	3.86	2.15	2.34	1.17	0.29	2.61	1.59	1.04	1.89	1.10	0.64
6/21/2017	86.38	82.77	77.98	86.73	83.27	78.45	70.19	67.01	62.11	46.50	40.84	33.92	62.44	59.47	53.99	23.02	18.39	12.58	77.25	66.78	52.18	2.99	2.89	2.79	17	7.50	3.85	2.24	2.79	1.11	0.32	2.80	1.62	1.01	2.30	1.11	0.70
6/22/2017	85.20	82.88	79.52	85.75	83.34	79.92	69.29	66.73	61.97	44.15	40.47	35.70	62.05	59.60	55.28	23.01	18.33	12.95	77.22	67.24	55.36	2.97	2.90	2.80	18	6.14	3.79	2.00	2.24	1.10	0.36	2.34	1.59	0.90	1.94	1.09	0.66
6/23/2017	87.00	83.02	78.94	87.08	83.48	79.40	70.69	67.05	62.56	45.29	41.09	35.62	62.73	59.71	55.34	23.07	18.75	13.32	77.18	66.32	51.85	2.97	2.90	2.83	19	6.69	3.78	1.93	2.22	1.08	0.25	2.64	1.59	0.89	1.89	1.11	0.69
6/24/2017	86.28	83.02	81.63	87.28	83.48	82.30	73.55	67.30	64.02	43.74	41.30	36.66	63.23	59.83	58.11	23.05	18.25	12.65	77.32	65.91	52.93	2.97	2.90	2.83	27	4.89	3.34	1.52	1.84	0.96	0.22	2.03	1.38	0.68	1.48	1.00	0.59
6/25/2017	85.13	83.00	81.75	85.12	83.48	82.31	69.57	67.17	63.40	46.10	41.33	36.10	61.53	59.74	58.02	23.10	18.17	12.68	77.23	66.50	53.33	2.97	2.89	2.79	25	5.09	3.50	2.14	1.96	1.03	0.44	1.96	1.40	0.81	1.47	1.06	0.73
6/26/2017	85.25	83.08	78.54	85.86	83.54	79.12	69.48	66.80	62.52	43.65	40.79	34.46	62.64	59.62	54.53	23.05	19.53	15.56	77.23	66.36	53.48	2.96	2.89	2.79	6	6.70	4.25	2.42	2.54	1.32	0.44	2.55	1.69	1.10	1.99	1.24	0.77
6/27/2017	85.42	82.91	58.66	85.85	83.38	58.16	70.18	67.34	46.36	44.64	40.12	29.47	62.20	59.51	34.82	23.05	19.51	14.52	77.24	69.04	58.08	2.96	2.89	2.79	9	6.48	4.14	0.00	2.06	1.15	0.00	2.76	1.80	0.00	2.13	1.18	0.00
6/28/2017	87.74	83.15	62.57	87.94	83.60	60.43	71.36	67.39	46.02	46.10	41.32	23.41	63.52	47.40	33.92	23.07	18.63	13.08	77.27	67.50	52.07	9.47	4.87	2.80	8	6.33	4.15	-0.36	2.33	1.16	-0.58	2.57	1.63	-0.40	1.91	1.36	0.00
6/29/2017	85.42	83.53	80.12	85.90	83.98	79.34	69.75	67.64	64.74	44.57	41.13	36.59	61.87	40.21	37.64	23.01	18.39	12.69	77.36	66.23	52.81	19.68	14.37	9.44	7	6.46	4.22	2.57	2.26	1.17	0.38	2.38	1.61	0.95	2.13	1.44	0.99
6/30/2017	87.14	83.39	75.95	87.42	83.84	76.43	72.49	67.50	64.25	44.11	41.25	32.58	63.54	51.80	37.75	22.99	19.05	15.00	77.30	67.56	54.86	23.18	20.78	17.90	22	7.24	3.66	1.37	2.55	1.10	0.18	2.69	1.54	0.83	2.33	1.01	0.30
MAX	87.74	83.75	81.75	87.94	84.18	82.31	73.55	67.94	64.74	48.56	41.42	37.31	63.79	60.87	58.11	23.14	19.90	15.65	77.65	69.04	58.08	23.19	20.90	18.38		9.558	4.79	3.45	3.39	1.57	0.82	3.314	1.925	1.22	2.927	1.439	0.99
AVE	85.81	83.18	77.36	86.18	83.64	77.99	70.40	67.20	61.79	44.98	40.91	34.65	62.80	54.33	42.87	23.00	18.35	13.01	76.88	65.52	53.02	15.1															

NORTH SHORE WATER COMMISSION  
 WHOLESALE WATER SALES  
 FOR YEAR: 2017

WHOLESALE INCOME BY COMPONENT  
 (Top: JAN-MAR, Bottom: APR-DEC)

FACILITIES CHARGE

FOR 2016 FACILITIES UPKEEP

MONTH	CUSTOMER	KGAL PURCHASED	WHOLESALE RATE (\$/KGAL)	TOTAL VOLUME CHARGE	CONVEYANCE			DISTRIBUTION OF CONVEYANCE CHARGE			\$500 / yr	NSWC REVENUE	AMOUNT BILLED
					CAPITAL \$/Kgal \$0.820 / Kgal \$0.832 / Kgal	OPERATING \$ \$0.910 / Kgal \$0.921 / Kgal	\$0.390 / Kgal \$0.390 / Kgal	FOX PT: 0.60	GLEN: 0.20	WFB: 0.20			
JANUARY	Mequon Water	7,169	\$2.120	\$15,198.28	\$5,878.58	\$6,523.79	\$2,795.91	\$1,677.55	\$559.18	\$559.18	\$0.00	\$12,402.37	\$15,198.28
FEBRUARY	Mequon Water	6,118	\$2.120	\$12,970.16	\$5,016.76	\$5,567.38	\$2,386.01	\$1,431.61	\$477.20	\$477.20	\$0.00	\$10,584.15	\$12,970.16
MARCH	Mequon Water	6,885	\$2.120	\$14,596.20	\$5,645.70	\$6,265.35	\$2,685.15	\$1,611.09	\$537.03	\$537.03	\$500.00	\$12,411.05	\$15,096.20
APRIL	Mequon Water	6,127	\$2.143	\$13,130.16	\$5,097.66	\$5,642.97	\$2,389.54	\$1,433.72	\$477.91	\$477.91	\$0.00	\$10,740.62	\$13,130.16
MAY	Mequon Water	6,799	\$2.143	\$14,570.26	\$5,656.77	\$6,261.88	\$2,651.61	\$1,590.97	\$530.32	\$530.32	\$0.00	\$11,918.65	\$14,570.26
JUNE	Mequon Water	8,068	\$2.143	\$17,289.72	\$6,712.58	\$7,430.63	\$3,146.51	\$1,887.91	\$629.30	\$629.30	\$0.00	\$14,143.21	\$17,289.72
JULY	Mequon Water		\$0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
AUGUST	Mequon Water		\$0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SEPTEMBER	Mequon Water		\$0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
OCTOBER	Mequon Water		\$0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NOVEMBER	Mequon Water		\$0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DECEMBER	Mequon Water		\$0.000	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TOTALS</b>		<b>41,166</b>		<b>\$87,754.78</b>	<b>\$34,008.05</b>	<b>\$37,692.00</b>	<b>\$16,054.73</b>	<b>\$9,632.85</b>	<b>\$3,210.94</b>	<b>\$3,210.94</b>	<b>\$500.00</b>	<b>\$72,200.05</b>	<b>\$88,254.78</b>