

CITY OF OAK CREEK WATER & SEWER UTILITY

OFFICIAL NOTICE

PLEASE TAKE NOTICE that the Water and Sewer Utility Commission will meet at the Oak Creek Water & Sewer Utility, 170 West Drexel Avenue, Oak Creek, Wisconsin, 53154 on Tuesday, August 14, 2018, at 9:00 am.

The purpose of this meeting will be to discuss the topics listed on the attached agenda.

It is possible that members of and possibly a quorum of members of our governmental bodies of the municipality may be in attendance at the above-stated meeting to gather information; no action will be taken by any governmental body at the above-stated meeting other than the governmental body specifically referred to above in this notice.

PUBLIC NOTICE

Please Note: Upon reasonable notice, a good faith effort will be made to accommodate the needs of disabled individuals through sign language interpreters or other auxiliary aid at no cost to the individual to participate in public meetings. Due to the difficulty in finding interpreters, requests should be made as far in advance as possible, preferably a minimum of 48 hours. For additional information or to request this service, contact the Oak Creek City Clerk at 414-766-7023 or write to the ADA Coordinator at the Health Department, City Hall, 8040 South 6th Street, Oak Creek, Wisconsin, 53154.

DATED, at Oak Creek, Wisconsin, this the 10th day of August, 2018.

/s/ Michael J. Sullivan
General Manager

A G E N D A
WATER AND SEWER UTILITY COMMISSIONERS
CITY OF OAK CREEK

<u>TIME</u>	<u>DATE</u>	<u>LOCATION</u>
9:00 am	Tuesday August 14, 2018	Headquarters Building 170 West Drexel Avenue

1.0 OPENING OF MEETING

- 1.1 Roll Call
- 1.2 Minutes Approval - Regular Meeting 07-17-18

2.0 CLOSED SESSION

- 2.1 Closed session in accordance with Section 19.85 (1) (e) and (g) of the Wisconsin State Statutes for the following purpose:
 - A. Water Quality Improvement Project
 - B. Franklin Water Sales Agreement
 - C. Oak Creek – Franklin Municipal Sewer Agreement

3.0 PROJECT APPROVALS

4.0 MISCELLANEOUS MATTERS

- 4.1 Franklin Water Sales Agreement
- 4.2 Oak Creek-Franklin Municipal Sewer Agreement
- 4.3 Sycamore Tower Fence Replacement
- 4.4 C-MAR Report
- 4.5 Backwash Tower External Cleaning
- 4.6 LuminUltra ATP Test Kit Purchase

5.0 FINANCIAL MATTERS

- 5.1 Change Order #1 Project 16107-2016 Sanitary Sewer Rehabilitation Project
- 5.2 Change Order #1 Project 18102-Puetz Road Water Main Relay
- 5.3 Project Payment Approval
- 5.4 Voucher Approval
- 5.5 Utility Investments
- 5.6 Financial Statements
- 5.7 CAFR

6.0 ADMINISTRATIVE & OPERATIONS REPORTS

- 6.1 Aldermanic Report
- 6.2 Administrative Operations Report
- 6.3 Engineering Operations Report
- 6.4 Distribution Operations Report
- 6.5 Plant Operations Report
- 6.6 Manager's Report

7.0 ADJOURN

Quotes for Sycamore Tower Fence Replacement:

Job Description: Remove and dispose of existing chain link fence surrounding the water tower. All posts to be pulled out of ground including concrete footings and disposed of off-site by contractor. Furnish and install 8' high commercial grade vinyl coated chain link fence with privacy slates, 3 strands of vinyl coated barb wire to top of fence and 1-16' double swing gate.

Northway Fence	\$19,915.00
Century Fence	\$18,628.00
Milwaukee Fence	\$17,595.00
Badger Fence	\$15,720.00
Recommended Bid: Badger Fence	\$15,720.00

Backwash Tower External Cleaning

Job Description: Pressure wash the exterior surface of the Backwash Tower and apply an anti-mildew inhibitor to slow down the return of mildew staining.

Elite National Coatings and Inspections, LLC \$9,200.00

National Wash Authority, LLC \$5,900.00

Recommended Bid: National Wash Authority, LLC \$5,900.00



Quotation

Hach
 PO Box 608
 Loveland, CO 80539-0608
 Phone: (800) 227-4224
 Email: quotes@hach.com
 Website: www.hach.com

Quote Number: 100369206v1
 Use quote number at time of order to ensure
 that you receive prices quoted

Quote Date: 06-Aug-2018

Quote Expiration: 05-Oct-2018

CITY OF OAK CREEK
 170 W DREXEL AVE
 OAK CREEK, WI 53154-2048

Name: Michael Sullivan
 Phone: 972-837-0392
 Email: sullivan@water.oak-creek.wi.us

Customer Account Number : 063293

Sales Contact: Peter McLiverty Email: pmcliver@hach.com Phone: 773-664-9270

PRICING QUOTATION

Line	Part Number	Description	Qty	Net Unit Price	Extended Price
1	EQP-PBM-PAC	The PhotonMaster is a USB-powered luminometer specifically designed for LuminUltra's patented line of ATP test kits. Individual components are not available for purchase by or through Hach Company.. Standard lead time 9 days.	1	4,460.00	4,460.00
2	QGA-100C	This is the Quench-Gone Aqueous (QGA) microbiological ATP test kit. The kit contains chemical test components that are not available for individual sale or replacement through Hach.. Standard lead time 9 days.	1	1,296.00	1,296.00
				Grand Total	\$ 5,756.00

TERMS OF SALE

Freight: Ground Prepay and Add

FCA: Hach's facility

All purchases of Hach Company products and/or services are expressly and without limitation subject to Hach Company's Terms & Conditions of Sale ("Hach TCS"), incorporated herein by reference and published on Hach Company's website at www.hach.com/terms. Hach TCS are contained directly and/or by reference in Hach's offer, order acknowledgment, and invoice documents. The first of the following acts constitutes an acceptance of Hach's offer and not a counteroffer and creates a contract of sale "Contract" in accordance with the Hach TCS: (i) Buyer's issuance of a purchase order document against Hach's offer; (ii) acknowledgement of Buyer's order by Hach; or (iii) commencement of any performance by Hach pursuant to Buyer's order. Provisions contained in Buyer's purchase documents (including electronic commerce interfaces) that materially alter, add to or subtract from the provisions of the Hach TCS are not part of the Contract.

Due to International regulations, a U.S. Department of Commerce Export License may be required. Hach reserves the right to approve specific shipping agents. Wooden boxes suitable for ocean shipment are extra. Specify final destination to ensure proper documentation and packing suitable for International transport. In addition, Hach may require : 1). A statement of intended end-use; 2). Certification that the intended end-use does not relate to proliferation of weapons of mass destruction (prohibited nuclear end use, chemical / biological weapons, missile technology); and 3). Certification that the goods will not be diverted contrary to U.S. law.

ORDER TERMS:

Terms are Subject to Credit Review
 Please reference the quotation number on your purchase order.
 Sales tax is not included. Applicable sales tax will be added to the invoice based on the U.S. destination, if applicable provide a resale/exemption certificate.
 Shipments will be prepaid and added to invoices unless otherwise specified.
 Equipment quoted operates with standard U.S. supply voltage.
 Hach standard terms and conditions apply to all sales.
 Additional terms and conditions apply to orders for service partnerships.
 Prices do not include delivery of product. Reference attached Freight Charge Schedule and Collect Handling Fees.
 Standard lead time is 30 days.



LuminUltra Photonmaster Luminometer with PBM

Product #: EQP-PBM-PAC
USD Price: \$4,460.00
Ships within 2 weeks

Measure total microorganisms in a matter of minutes

The LuminUltra PhotonMaster is a rugged, low-cost and portable luminometer, which utilizes LuminUltra's 2nd Generation ATP test kits to measure total active microorganisms in any type of fluid or solid sample. Total active microorganism levels indicate contamination risk and provide real-time, actionable data to keep your drinking water, wastewater, or industrial process running smoothly and efficiently. The Photonmaster offers a substantial improvement over competitive platforms in both time and cost per test. The PhotonMaster is now coupled with the PBM for data transfer to your phone running the LuminUltra Cloud™ mobile app for real time analysis.

LuminUltra Cloud represents a huge leap forward in data acquisition and analysis. This powerful yet user-friendly app enables users to operate their PhotonMaster via mobile phone to generate data, produce graphs, and review data – anywhere, anytime. Other applicable data (e.g. pH, turbidity, etc.) can also be easily entered so that these data can be trended within the app. You can then organize your data according to specific sites complete with GPS-tagged sample locations.

LuminUltra Cloud is now available for Android™ on Google Play and iOS via the App Store®.

Detect total active microorganisms in any type of sample

Microbiological risks come in many shapes and sizes. Traditional reference methods tell only a part of the story because they detect only a fraction of the population. 2nd Generation ATP testing systems overcome this limitation to give you a first line of defense in microbial control issues in any application and for any type of sample! This product requires a LuminUltra test kit to measure ATP; select the test kit appropriate for your application.

Results in minutes - not hours or days - for real-time results

Testing is easy – just follow the quick-reference guide included with each test kit. Once the sample is prepared, actionable results are available on-the-spot. Rapid data means fast decisions and quick positive outcomes from your instrument and testing investment.

Simple and straightforward testing procedure to minimize errors and take action in real-time

The PhotonMaster luminometer is incredibly easy to use; no special training is required to operate the unit. Data can be generated on-board via the PBM's easy-to-use interface or via the soon-to-be-released LuminUltra Cloud™ mobile app. LuminUltra Cloud maximizes the capabilities of the PhotonMaster and is designed to help you manage and render immediate value from your data

Lab or field operable for maximum flexibility

The PhotonMaster is lightweight, compact, and has few moving parts. The supplied field case, tote bag, and test tube racks keep everything in its place and protected during transport and field use. No field notebooks required – results are stored automatically. The small footprint uses minimal bench space, and simple USB power means no power cords

What's in the box?

- LuminUltra PhotonMaster Luminometer and carrying case
- PBM for connection to LuminUltra Cloud™ mobile app
- USB Cable (Micro to A)
- Micropipettors (0.1mL, 0.3mL, and 1.0mL)
- Test tube racks for reagent tubes and luminometer cuvettes
- Tote bag for testing consumables

**CHANGE ORDER AUTHORIZATION
CHANGE ORDER NO. 1
PROJECT NO. 16107**

2016 Sanitary Sewer Rehabilitation Program

INITIATED BY THE OAK CREEK WATER AND SEWER UTILITY
DATE INITIATED: September 5, 2017

Work authorization for furnishing the necessary labor, materials and equipment to perform the following:

ITEM NO.	ITEM DESCRIPTION	QUANTITY UNIT	UNIT PRICE	COST
E-1	Trench stabilization	1 LS	\$3,383.48	\$3,383.48
E-1	Grout leaking joint	1 LS	\$1,250.00	\$1,250.00
C-1	Pavement Marking	1 LS	-\$140.00	-\$140.00
C-2	Pavement Marking	1 LS	-184.00	-184.00
C-3	Restoration	1 LS	-250.00	-250.00
TOTAL CHANGE ORDER				4,059.48

E = Contract Extra, C = Contract Credit

This work, performed under the 2016 Sanitary Sewer Rehabilitation Program contract, is hereby agreed upon and has been performed as indicated under the contract for Project No. 16107, Change Order No. 1 for contract extras with a total net cost of \$4,059.48.

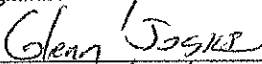
Advance Construction, Inc.

Oak Creek Water & Sewer Utility




Signature

Signature



Accepted by (print name)

Accepted by (print name)



Date Accepted

Date Accepted

**CHANGE ORDER AUTHORIZATION
CHANGE ORDER NO. 1
PROJECT NO. 18102**

Puetz Road Water Main Relay

INITIATED BY THE OAK CREEK WATER AND SEWER UTILITY
DATE INITIATED: June, 2018

Work authorization for furnishing the necessary labor, materials and equipment to perform the following:

ITEM NO.	ITEM DESCRIPTION	QUANTITY UNIT	UNIT PRICE	COST
E-1	8" water main break	(1) Each	\$3,757.03	\$3,757.030
E-2	Curb Replacement	LS	\$1,430.00	\$1,430.00
E-3	12" water main break	(2) Each	\$2,193.28	\$4,386.55
E-4	Driveway Reconfiguration	LS	\$3,640.00	\$3,640.00
TOTAL CHANGE ORDER				\$13,213.58

E = Contract Extra, C = Contract Credit

This work, performed under the Puetz Road Water Main Relay contract, is hereby agreed upon and has been performed as indicated under the contract for Project No. 18102, Change Order No. 1 for contract extras with a total net cost of \$13,213.58

The Wanasek Corp.

Oak Creek Water & Sewer Utility



Signature

John Wanasek

Accepted by (print name)

6/30/18

Date Accepted

Signature

Accepted by (print name)

Date Accepted

OAK CREEK WATER AND SEWER UTILITY
 PROGRESS PAYMENT No.4 - FINAL

PROJECT NO. 16107 Sanitary Rehab Project

Item No.	Item Description	Quantity	Unit	Advance Construction, Inc. 2141 Woodside Avenue Green Bay, WI 54922		Partial Payment 1 April 11, 2017		Partial Payment 2 May 09, 2017		Partial Payment 3 June 20, 2017		Final Payment 4 March 13, 2018		Total Completes	
				Price	Total Price	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	PVC Sanitary Sewer Spot Repair (5-10 LF)	9	EA	\$9,000.00	\$84,000.00	6.00	\$54,000.00		\$0.00		\$0.00		\$0.00	6.00	\$54,000.00
2	PVC Sanitary Sewer Spot Repair (0-18 LF)	1	EA	\$10,000.00	\$10,000.00	1.00	\$10,000.00		\$0.00		\$0.00		\$0.00	1.00	\$10,000.00
3	6-inch PVC Sanitary Lateral Relay	50	LF	\$300.00	\$15,000.00	10.00	\$3,000.00	45.00	\$13,500.00		\$0.00		\$0.00	55.00	\$16,500.00
4	8-inch CIPP Lateral	3,076	LF	\$25.75	\$79,207.00		\$0.00	3,560.00	\$91,870.00		\$0.00		\$0.00	3,560.00	\$91,870.00
5	12-inch CIPP Lateral	590	LF	\$46.70	\$27,653.00		\$0.00	161.00	\$5,906.70	429.00	\$15,744.30		\$0.00	600.00	\$21,853.00
6	15-inch CIPP Lateral	1,048	LF	\$42.25	\$44,278.00		\$0.00	250.00	\$10,562.50	798.00	\$33,715.50		\$0.00	1,048.00	\$44,278.00
7	18-inch CIPP Lateral	114	LF	\$148.00	\$16,868.00		\$0.00	10.00	\$1,480.00	104.00	\$15,388.00		\$0.00	114.00	\$16,868.00
8	24-inch CIPP Lateral	820	LF	\$73.00	\$60,817.00		\$0.00		\$0.00	820.00	\$60,817.00		\$0.00	820.00	\$60,817.00
9	8-inch PVC Sanitary Sewer Relay	526	LF	\$165.00	\$87,030.00	430.00	\$72,435.00	187.00	\$30,855.00	2.33	\$384.45		\$0.00	620.33	\$103,674.45
10	12-inch PVC Sanitary Sewer Relay	230	LF	\$190.00	\$43,700.00		\$0.00	230.00	\$43,700.00	-8.50	\$-1,615.00		\$0.00	221.50	\$42,085.00
11	Test and Seal Lateral Connectors	61	EA	\$320.00	\$19,520.00		\$0.00		\$0.00	52.00	\$16,540.00		\$0.00	52.00	\$16,540.00
E-1	Trench Stabilization	1	LS	\$3,383.48	\$3,383.48		\$0.00		\$0.00		\$0.00	1.00	\$3,383.48	1.00	\$3,383.48
E-2	GROUT and Seal Leaking Joint	1	LS	\$1,250.00	\$1,250.00		\$0.00		\$0.00		\$0.00	1.00	\$1,250.00	1.00	\$1,250.00
C-1	Corrosive Shipping	1	LS	-\$140.00	-\$140.00		\$0.00		\$0.00		\$0.00	1.00	-\$140.00	1.00	-\$140.00
C-2	Log Line Shipping	1	LS	-\$184.00	-\$184.00		\$0.00		\$0.00		\$0.00	1.00	-\$184.00	1.00	-\$184.00
C-3	Restoration of path at Ball Field	1	LS	-\$250.00	-\$250.00		\$0.00		\$0.00		\$0.00	1.00	-\$250.00	1.00	-\$250.00
TOTAL (Items 1-11)					\$490,251.00		\$139,435.00		\$197,666.20		\$147,650.38		\$4,059.48		\$488,837.06
Sub-Total Completed To Date															
Less Allowance for testing and approval															
Less Retainage (6% to 50% complete)															
Total															
Less Previous Payments															
TOTAL PAYMENT DUE THIS PERIOD															

0.0%
 5% up to 80%

Paul J. Ruff
 Date: 8/6/18

Paul J. Ruff
 Date: 7/12/18

Recommended for Commission Approval by: _____
 Contractor Final Payment Approval by: _____

**OAK CREEK WATER AND SEWER UTILITY
PROGRESS PAYMENT REPORT**

PROJECT NO. 17105-2017 Sanitary Rehab Project

		Visu-Sewer, Inc W230 N4855 Betker Dr. Pewaukee, WI 53072			Partial Payment No. 1 May 8th, 2018		Partial Payment No. 2 August 14th, 2018		PROJECT TOTAL		
Item No.	Item Description	Bld Quantity	Unit Price	Total Price	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	
1	PVC Sanitary Sewer Spot Repair (5-10LF)	4	EA	\$7,875.00	\$31,500.00	4.00	\$31,500.00		\$0.00	4.00	\$31,500.00
2	PVC Sanitary Sewer Spot Repair (10-15LF)	4	EA	\$10,500.00	\$42,000.00	4	\$42,000.00		\$0.00	4.00	\$42,000.00
3	6-Inch PVC Sanitary Lateral Relay	34	LF	\$417.00	\$14,178.00	24.00	\$10,008.00		\$0.00	24.00	\$10,008.00
4	6-Inch PVC Sanitary Riser Lateral Relay	29	VF	\$490.00	\$14,210.00	15	\$7,350.00		\$0.00	15.00	\$7,350.00
5	8-Inch CIPP Liner	3,866	LF	\$22.85	\$88,338.10	3,385.00	\$77,347.25	484.00	\$11,059.40	3,869.00	\$88,406.65
6	10-Inch CIPP Liner	152	LF	\$44.20	\$6,718.40	152	\$6,718.40	159	\$7,027.80	311.00	\$13,746.20
7	12-Inch CIPP Liner	123	LF	\$62.00	\$7,626.00	123	\$7,626.00	134	\$8,308.00	257.00	\$15,934.00
8	15-Inch CIPP Liner	66	LF	\$152.00	\$10,032.00	-	\$0.00	69.00	\$10,488.00	69.00	\$10,488.00
9	18-Inch CIPP Liner	1,089	LF	\$44.50	\$48,460.50	1,067	\$47,461.50	26	\$1,157.00	1,093.00	\$48,638.50
10	21-Inch CIPP Liner	1,335	LF	\$60.00	\$80,100.00	-	\$0.00	1,334.00	\$80,040.00	1,334.00	\$80,040.00
11	24-Inch CIPP Liner	163	LF	\$164.00	\$26,732.00	-	\$0.00	166.00	\$27,224.00	166.00	\$27,224.00
12	30-Inch CIPP Liner	256	LF	\$162.30	\$41,548.80	-	\$0.00	253	\$41,061.90	253.00	\$41,061.90
13	8-Inch CIPP Short Liner	14	LF	\$336.00	\$4,732.00	-	\$0.00	15.00	\$5,070.00	15.00	\$5,070.00
14	10-inch CIPP Short Liner	32	LF	\$250.00	\$8,000.00	-	\$0.00	17	\$4,250.00	17.00	\$4,250.00
15	12-Inch CIPP Short Liner	10	LF	\$467.00	\$4,670.00	-	\$0.00	11.00	\$5,137.00	11.00	\$5,137.00
16	8-Inch PVC Sanitary Sewer Relay	156	LF	\$242.00	\$37,752.00	156	\$37,752.00		\$0.00	156.00	\$37,752.00
17	10-Inch PVC Permitted Sanitary Sewer	90	LF	\$278.00	\$25,020.00	-	\$0.00		\$0.00	-	\$0.00
18	8-Inch PVC-C900 Sanitary Sewer Relay	41	LF	\$655.00	\$26,855.00	-	\$0.00		\$0.00	-	\$0.00
19	10-Inch PVC-C900 Sanitary Sewer Relay	40	LF	\$665.00	\$26,600.00	20	\$13,300.00		\$0.00	20.00	\$13,300.00
20	12-Inch PVC Sanitary Sewer	14	LF	\$849.00	\$11,886.00	14.00	\$11,886.00		\$0.00	14.00	\$11,886.00
21	Test & Seal Lateral Connections	70	EA	\$300.00	\$21,000.00	-	\$0.00	67.00	\$20,100.00	67.00	\$20,100.00
22	Sanitary Manhole Abandonment	4	EA	\$630.00	\$2,520.00	5.00	\$3,150.00		\$0.00	5.00	\$3,150.00
23	Sanitary Sewer Abandonment	1,223	LF	\$11.00	\$13,453.00	865.00	\$9,515.00		\$0.00	865.00	\$9,515.00
24	48" Dia Precast Sanitary Sewer Manhole	20	VF	\$420.00	\$8,400.00	10.00	\$4,200.00		\$0.00	10.00	\$4,200.00
25	Sewer Manhole Bench Adjustment	2	EA	\$683.00	\$1,366.00	1.00	\$683.00		\$0.00	1.00	\$683.00
26	Sanitary Sewer Relay Trench EBS	97	CY	\$105.00	\$10,185.00	-	\$0.00		\$0.00	-	\$0.00
27	Dense Graded Base (3")	211	TON	\$11.00	\$2,321.00	-	\$0.00		\$0.00	-	\$0.00
TOTAL ITEMS 1-27 (Inclusive)					\$580,478.80		\$310,517.15		\$220,923.10		\$531,440.25

Sub-Total Completed To Date	\$531,440.25
Less Allowance for testing and approval	10% -\$53,144.03
Less Retainage (5% to 50% complete)	5% -\$14,511.97
Total	\$463,784.25
Less Previous Payments	\$253,181.87
TOTAL PAYMENT DUE THIS PERIOD	\$210,602.38

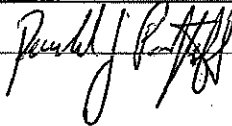
Recommended for Commission Approval by: *Frank J. Puff* Date: 8/6/18

**OAK CREEK WATER AND SEWER UTILITY
PROGRESS PAYMENT REPORT No. 3 FINAL**

PROJECT NO. 18102- Puetz Road Water Main Relay

Item No.	Item Description	Bid		The Wanasek Corp. 29608 Durand Ave, Burlington, WI 53106		Partial Payment No. 1 May 8th, 2018		Partial Payment No. 2 June 19th, 2018		Final Payment No. 3 July 10th, 2018		PROJECT TOTAL	
		Quantity	LF	Unit Price	Total Price	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	12" PVC Water Main, 1-1/4" T.B.B.F.	1,067	LF	\$112.00	\$119,504.00	1,057.00	\$118,384.00	11.00	\$1,232.00		\$0.00	1,068.00	\$119,616.00
2	8" PVC Water Main, 1-1/4" T.B.B.F.	16	LF	\$206.00	\$3,296.00	10	\$2,080.00	5	\$1,030.00		\$0.00	15.00	\$3,090.00
3	Connect to Existing 12" Water Main	2	EA	\$4,590.00	\$9,180.00	1.00	\$4,590.00	1.00	\$4,590.00		\$0.00	2.00	\$9,180.00
4	Connect to Existing 8" Water Main	1	EA	\$2,325.00	\$2,325.00		\$0.00	1	\$2,325.00		\$0.00	1.00	\$2,325.00
5	Hydrant, Lead and 6-Inch Gate Valve	1	EA	\$7,475.00	\$7,475.00	1.00	\$7,475.00		\$0.00		\$0.00	1.00	\$7,475.00
6	12" Gate Valve	6	EA	\$2,975.00	\$17,850.00	6	\$17,850.00		\$0.00		\$0.00	6.00	\$17,850.00
7	8" Gate Valve	1	EA	\$1,705.00	\$1,705.00		\$0.00	1	\$1,705.00		\$0.00	1.00	\$1,705.00
8	1-1/4" Water Service Lateral Reconnection	10	EA	\$1,220.00	\$12,200.00	9.00	\$10,980.00	1.00	\$1,220.00		\$0.00	10.00	\$12,200.00
9	Asphalt Pavement Removal	1,457	SY	\$4.00	\$5,828.00	965	\$3,860.00	631	\$2,522.40		\$0.00	1,595.60	\$6,382.40
10	HMA Pavement, 3LT 58-28 S, 19.0mm Lower Layer	229	TON	\$76.00	\$17,404.00		\$0.00	259.99	\$19,759.24		\$0.00	259.99	\$19,759.24
11	HMA Pavement, 4LT 58-28 S, 12.5mm Upper Layer	159	TON	\$76.00	\$12,084.00		\$0.00	173.14	\$13,158.64		\$0.00	173.14	\$13,158.64
12	1-1/4" Dense Graded Base Course	52	TON	\$32.00	\$1,664.00		\$0.00	52	\$1,664.00		\$0.00	52.00	\$1,664.00
13	Stone Shoulder, 3/4" T.B.	106	TON	\$53.00	\$5,618.00		\$0.00	56.45	\$2,991.85		\$0.00	56.45	\$2,991.85
14	Sawing Existing Pavement Full Depth	1,174	LF	\$1.50	\$1,761.00		\$0.00	1,185	\$1,777.50		\$0.00	1,185.00	\$1,777.50
15	Excavation Below Base, 1-1/4" Dense Graded Limestone	48	TON	\$45.00	\$2,160.00		\$0.00	21.31	\$958.95		\$0.00	21.31	\$958.95
16	Excavation Below Base, Breaker Run Base Course	48	TON	\$45.00	\$2,160.00		\$0.00	21.38	\$962.10		\$0.00	21.38	\$962.10
17	Pavement Marking, Epoxy, White 4-Inch Edge Line	947	LF	\$1.50	\$1,420.50		\$0.00		\$0.00	1,021	\$1,531.50	1,021.00	\$1,531.50
18	Pavement Marking, Epoxy, Yellow 4-Inch Broken Centerline	339	LF	\$1.50	\$508.50	0	\$0.00	0	\$0.00	0	\$0.00	-	\$0.00
19	Pavement Marking, Epoxy, Yellow 4-Inch Double Centerline	343	LF	\$3.00	\$1,029.00		\$0.00	1,071	\$3,213.00	61	\$183.00	1,132.00	\$3,396.00
20	Restoration of Lawns and Parkways	1	LS	\$2,235.00	\$2,235.00		\$0.00	1.00	\$2,235.00		\$0.00	1.00	\$2,235.00
21	Erosion Control	1	LS	\$230.00	\$230.00	1.00	\$230.00		\$0.00		\$0.00	1.00	\$230.00
22	Traffic Control	1	LS	\$7,000.00	\$7,000.00	1.00	\$7,000.00		\$0.00		\$0.00	1.00	\$7,000.00
E-1	8" Watermain Break Repair	1	EA	\$3,757.03	\$3,757.03		\$0.00		\$0.00	1.00	\$3,757.03	1.00	\$3,757.03
E-2	Curb Replacement	1	LS	\$1,430.00	\$1,430.00		\$0.00		\$0.00	1.00	\$1,430.00	1.00	\$1,430.00
E-3	12" Water Main Break Repair	2	EA	\$2,193.28	\$4,386.55		\$0.00		\$0.00	2.00	\$4,386.55	2.00	\$4,386.55
E-4	Driveway Reconfiguration	1	LS	\$3,640.00	\$3,640.00		\$0.00		\$0.00	1.00	\$3,640.00	1.00	\$3,640.00
TOTAL ITEMS 1-22 (inclusive)					\$247,850.58		\$172,429.00		\$61,344.68		\$14,928.08		\$248,701.76

Sub-Total Completed To Date	\$248,701.76
Less Allowance for testing and approval	0% \$0.00
Less Retainage (5% to 50% complete)	5% \$0.00
Total	\$248,701.76
Less Previous Payments	-\$227,907.75
TOTAL PAYMENT DUE THIS PERIOD	\$20,794.01

Recommended for Commission Approval by:  Date: 8/6/18

Contractor Final Payment Approval by:  Date: 6/30/18

ADMINISTRATIVE OPERATIONS

July 2018

Customer Payment Options Status:

As of July 31, the Utility has 1,164 customers registered for the ACH payment program, which represents 12.3% of all Utility customers. The Utility had 1,032 customers in 2017 and 1,061 in 2016 registered for this payment method.

As of July 31, the Utility has 2,119 customers registered for PSN's online billing services, which represents 22.3% of all Utility customers. Of these customers, 773 have opted out of receiving paper bills. The Utility had 1,731 customers in 2017 and 1,275 in 2016 registered for this payment method. Of these customers, 632 opted out of receiving paper bills in 2017 and 477 opted out in 2016.

Training:

Accounting Supervisor Stenzel attended an Accounting Ethics webinar on July 10.

Workload:

Other administrative tasks included the following:

1. Added 3 customer accounts for the month.
2. Billed 910 water customers and 939 sewer customers.

Gallons Billed (in thousands):

	YTD 2018	YTD 2017	YTD 2016	YTD 2015	YTD 2014	Average
Residential	207,041	208,196	209,244	208,289	212,350	209,024
Commercial	248,996	264,552	250,595	246,836	245,180	251,232
Industrial	287,563	239,065	226,273	220,506	234,962	241,674
Public Authority	6,580	6,688	7,524	12,141	9,186	8,424
Wholesale	727,633	714,921	795,630	830,720	787,166	771,214
Total	1,477,813	1,433,422	1,489,266	1,518,492	1,488,844	1,481,568
% Change to Prior Year	3.1%	-3.7%	-1.9%	2.0%	N/A	
% Change to Average	-0.3%	-3.2%	0.5%	2.5%	0.5%	

New Customers:

	YTD 2018	YTD 2017	YTD 2016	YTD 2015	YTD 2014	Average
Residential	23	13	15	14	12	15.4
Commercial	11	15	16	7	1	10.0
Industrial	0	0	0	1	0	0.2
Public Authority	1	0	2	1	0	0.8
Wholesale	0	0	0	0	0	-
Total	35	28	33	23	13	26.4

New Residential Customer (YTD 2018):

8219 S. Alisa Lane, 8223 S. Alisa Lane, 375 E. Lily Drive, 380 E. Lily Drive, 365 E. Lily Drive, 2230 W. Southland Drive, 2300 W. Southland Drive, 9441 S. Nicholson Road, 165 E. Golden Lane, 1101 E. Wildflower Drive, 10110 S. Barrington Drive, 10130 S. Barrington Drive, 990 E. Peach Tree Lane, 1880 E. Lilac Lane, 1930 E. Lilac Lane, 10390 S. Willow Creek Drive, 360 E. Forest Hill Avenue, 380 E. Forest Hill Avenue, 2620 E. Oakwood Road, 9838 S. Chicago Road, 10068 S. Macintosh Lane, 10405 S. Redwood Lane, 3413 E. Elm Road

New Commercial Customers (YTD 2018):

Drexel Square Hotel, HSI Drexel Ridge (5 accounts), Storage Shop USA, IKEA, (2) warehouse buildings on 10451 and 10651 S. Oakview Parkway, Howell Avenue Retail II

Public Authority

City of Oak Creek – 4001 E. Lake Vista Parkway

ENGINEERING OPERATIONS

July 2018

I-94 & Puetz road Water Main Crossing

This project has been advertised and bids will be opened August 17. The project will mitigate conflicts with the WisDOT I-94 construction in the area of I-94 and Puetz Road. There are two water main crossings that are required to be relocated, one 24" ductile iron water main south of the intersection, and a 16" ductile iron water main crossing north of Puetz Road. Construction will occur concurrently with the WisDOT construction and occur in two phases. Phase I will include relocating the 16" water main crossing north of Puetz Road and will be complete in mid-December. Phase II will include relocating the water main crossing south of Puetz Road and will be complete in May 2019.

Forest Hill Water Main Extension

Plans and specifications for this project are 60% complete. Part of this project involves crossing underneath the Union Pacific railroad. Engineering, in conjunction with Strand Associates, is currently working with the railroad to determine if they will require a casing to be jacked as part of the project. Historically the railroad is slow to respond to inquiries of this nature. The Utility is working diligently to get direction from the railroad as this is the critical piece to finalizing plans and specifications for the project.

27th Street Water Main Extension

Plans and specifications for this project are 60% complete. The next phase in design will be obtaining WisDOT permits for working in their right of way and will include work times, traffic control, and restoration requirements. Engineering anticipates that plans and specifications will be complete in the next two weeks, after which time the project will be advertised and bid.

East Depot Road Water Main Extension

Plans and specifications for this project are complete and being reviewed by the WDNR for permitting. The Oak Creek Common Council has approved the special assessments and authorized the Utility to move forward with the project. Distribution will be installing the 130' extension on Depot Road and is in the process of obtaining materials and equipment. Engineering expects that this work will begin in mid-August and take approximately two weeks to complete.

East Brooke Preserve

Sanitary sewer and water main are 80% complete. Sanitary sewer and water main will be tested in mid-August and finalized shortly thereafter.

Drexel Ridge Phase II

Sanitary sewer for this project is complete. Water main still needs to be tested after site work is complete.

DISTRIBUTION & COLLECTION OPERATIONS

July 2018

Water Main Breaks:

On July 5th, a crew was called in at 5:40 p.m. to repair a main break at 7316 South Delaine Drive. The 8" DIP that was installed in 1975 had a blow hole.

On July 6th a crew was called in at 11:00 p.m. to repair a main break at 1135 East Fitzsimmons Road. The 12" DIP was installed in 1976 had a blow hole.

On July 29th a crew was called at in at 11:00 a.m. to repair a main break at 8044 South Verdev Drive. The 8" CIP was installed in 1962 had a blow hole.

Water Lateral Repair:

There were no lateral repairs in July.

Water Valve Repair:

There were no valve repairs in July.

Fire Hydrant Maintenance:

Summer workers started painting hydrants.

Sewers Repairs:

In the month of July Utility workers cleaned 20,194' and televised 18,708.5' of sewer main.

Valve Operations:

In the month of July service workers and summer workers operated 679 valves.

Miscellaneous:

In the month of July Utility workers completed 4 restoration projects from previous water main and lateral repairs.

Michael Zawacki, a third-year, and Emma Sims, a second-year seasonal employee, returned to work on July 2nd.

PLANT OPERATIONS

July, 2018

PUMPAGE REPORT	2018	2017	% Change	5 Year %
Monthly Pumpage	295,978,000	249,590,000	+18.6	+7.5
Monthly Average Day	9,548,000	8,051,000	+18.6	+7.5
Monthly Peak Day	(7/11) 12,110,000	(7/30) 9,860,000	+22.8	+8.4
Yearly Pumpage	1,588,909,000	1,495,514,000	+6.2	+1.4
Yearly Average Day	7,495,000	7,052,000	+6.3	+1.5
Yearly Peak Day	(7/11) 12,110,000	(6/12) 10,220,000	+18.5	+3.4
West Zone Pumpage	137,180,000	113,640,000	+20.7	-1.3

WATER QUALITY REPORT	Raw Water	Finished Water
Average Free Chlorine		1.59 mg/l
Total Chlorine		1.75 mg/l
Average Alkalinity	107.9 mg/l	108.0 mg/l
Average pH	8.4	8.3
Average Fluoride	0.15 mg/l	0.75 mg/l
Average Turbidity	3.86 NTU	0.039 NTU
Average Temperature	59.2 F	
Hardness	137 mg/l	137 mg.l

Preventative Maintenance Tasks: Staff completed 115 preventative maintenance tasks, 6 miscellaneous work orders, and 2 safety sessions during the month.

Operators: Operators Messerschmidt and Muschinski installed the new LED fixtures in the filter room.

Plant: Butters-Fetting was onsite 7/31/18 to install new flow meters on four chlorine feed pumps.

A trial on filter effluent turbidity is in progress using a Swan turbidity meter. Data is being collected and compared to the current Hach meters.

