

## 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, September 13, 2016, 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 768-6511 or write to the ADA Coordinator at the Health Department, City Hall, 8040 South 6<sup>th</sup> Street, Oak Creek, Wisconsin, 53154.

**DATED**, at Oak Creek, Wisconsin, this the 8th day of September, 2016.

/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 September 13, 2016	Headquarters Building 170 West Drexel Avenue

**1.0 OPENING OF MEETING**

- 1.1 Roll Call
- 1.2 Minutes Approval - Regular Meeting 08-09-16
- 1.3 Minutes Approval - Special Meeting 08-16-16

**2.0 FINANCIAL MATTERS**

- 2.1 Project Payment Approvals
- 2.2 Voucher Approval
- 2.3 Utility Investments

**3.0 ADMINISTRATIVE & OPERATIONS REPORTS**

- 3.1 Aldermanic Report
- 3.2 Plant Operations Report
- 3.3 Distribution Operations Report
- 3.4 Administrative Operations Report
- 3.5 Engineering Operations Report
- 3.6 Manager's Report

**4.0 PROJECT APPROVALS**

- 4.1 20<sup>th</sup> Street Water Main and Sanitary Sewer Extension – Phase II
- 4.2 Drexel Ridge Water Main Extension
- 4.3 27<sup>th</sup> Street Sanitary Sewer Extension

**5.0 MISCELLANEOUS MATTERS**

- 5.1 Professional Services Agreement – I94/Ryan Road Water Main Crossing
- 5.2 Purchase Replacement Raw Water Pump Motor

**6.0 CLOSED SESSION**

- 6.1 Closed session in accordance with Section 19.85 (1) (g) of the Wisconsin State Statutes for the following purpose:
  - A. CT Tank Compliance Project
  - B. Waukesha Water Sales Agreement

**7.0 ADJOURN**

OAK CREEK WATER AND SEWER UTILITY

PROGRESS PAYMENT - FINAL

PROJECT NO. 13105 - Rowan Estates Water Main Relay

Item No.	Item Description	Quantity	UPI LLC		Partial Payment 1 April 8, 2014		Partial Payment 2 May 13, 2014		Partial Payment 3 June 10, 2014		Partial Payment 4 July 8, 2014		Partial Payment 5 August 12, 2014		Partial Payment 6 September 9, 2014		Partial Payment 7 October 14, 2014		Partial Payment 8 January 13, 2015		Partial Payment 9 February 10, 2015		Final Payment August 9, 2016		Total Complete	
			Unit Price	Total Price	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	8" PVC Water Main, 3/4" T.B. Backfill & Surface Restoration	7,150 LF	\$88.00	\$629,200.00	1,338.00	\$117,744.00	731.00	\$64,328.00	1,037.00	\$91,256.00	1973.00	\$173,624.00	-	-	-	-	-	-	1,903.00	\$167,464.00	-	\$0.00	-	\$0.00	6,982.00	\$614,416.00
2	12" PVC Water Main, 3/4" T.B. Backfill & Surface Restoration	349 LF	\$129.00	\$45,021.00	106.00	\$13,674.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0.00	-	\$0.00	106.00	\$13,674.00
3	8" PVC Water Main, Spoil Backfill & Surface Restoration	8,100 LF	\$52.00	\$421,200.00	-	\$0.00	3,554.60	\$184,839.20	2,500.00	\$130,000.00	300.00	\$15,600.00	-	-	-	-	-	-	1,015.40	\$52,800.80	-	\$0.00	-	\$0.00	7,370.00	\$383,240.00
4	12" PVC Water Main, Spoil Backfill & Surface Restoration	635 LF	\$65.00	\$41,275.00	-	\$0.00	485.30	\$31,544.50	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0.00	-	\$0.00	485.30	\$31,544.50
5	Connect to Ex 6" Water Main	3 EA	\$3,988.00	\$11,964.00	-	-	-	-	1.00	\$3,988.00	-	-	1.00	\$3,988.00	1.00	\$3,988.00	-	-	-	-	-	\$0.00	-	\$0.00	3.00	\$11,964.00
6	Connect to Ex 8" Water Main	10 EA	\$4,040.00	\$40,400.00	1.00	\$4,040.00	-	-	-	-	4.00	\$16,160.00	1.00	\$4,040.00	1.00	\$4,040.00	-	-	2.00	\$8,080.00	-	\$0.00	-	\$0.00	9.00	\$36,360.00
7	Connect to Ex 12" Water Main	1 EA	\$4,600.00	\$4,600.00	1.00	\$4,600.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0.00	-	\$0.00	1.00	\$4,600.00	
8	Hydrant, Lead, and 6-inch Gate Valve	42 EA	\$4,700.00	\$197,400.00	9.00	\$42,300.00	8.00	\$37,600.00	10.00	\$47,000.00	8.00	\$37,600.00	-	-	1.00	\$4,700.00	-	-	-	-	-	\$0.00	-	\$0.00	36.00	\$169,200.00
9	6-inch Gate Valve	1 EA	\$900.00	\$900.00	-	-	-	-	1.00	\$900.00	-	-	-	-	-	-	-	-	-	-	-	\$0.00	-	\$0.00	1.00	\$900.00
10	8-inch Gate Valve	40 EA	\$1,295.00	\$51,800.00	8.00	\$10,360.00	9.00	\$11,655.00	11.00	\$14,245.00	10.00	\$12,950.00	-	-	1.00	\$1,295.00	-	-	3.00	\$3,885.00	-	\$0.00	-	\$0.00	42.00	\$54,390.00
11	12-inch Gate Valve	3 EA	\$2,290.00	\$6,870.00	2.00	\$4,580.00	-	\$0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0.00	-	\$0.00	2.00	\$4,580.00
12	1-1/4-inch Water Service Laterals (Polyethylene) Open Cut	96 EA	\$1,645.00	\$157,920.00	-	-	-	-	4.00	\$6,580.00	9.00	\$14,805.00	68.00	\$111,860.00	15.00	\$24,675.00	-	-	-	-	-	\$0.00	(1.00)	(\$1,645.00)	95.00	\$156,275.00
13	1-1/4-inch Water Service Laterals (Polyethylene) Directional Drill	119 EA	\$1,930.00	\$229,670.00	-	-	-	-	5.00	\$9,650.00	37.00	\$71,410.00	38.00	\$73,340.00	33.00	\$63,690.00	-	-	4.00	\$7,720.00	-	\$0.00	(4.00)	(\$7,720.00)	113.00	\$218,090.00
14	Erosion Control	1 LS	\$1,000.00	\$1,000.00	0.2	\$200.00	0.20	\$200.00	0.02	\$20.00	0.28	\$280.00	-	-	-	-	-	-	0.30	\$300.00	-	\$0.00	-	\$0.00	1.00	\$1,000.00
15	Traffic Control	1 LS	\$5,500.00	\$5,500.00	0.2	\$1,100.00	0.20	\$1,100.00	0.02	\$110.00	0.28	\$1,540.00	-	-	0.30	\$1,650.00	-	-	-	-	-	\$0.00	-	\$0.00	1.00	\$5,500.00
16	13-inch x 9-inch Driveway CMP Culverts with Flared End Section	38 EA	\$898.00	\$34,124.00	-	-	-	-	5.00	\$4,490.00	17.00	\$15,266.00	1.00	\$898.00	6.00	\$5,388.00	-	-	7.00	\$6,286.00	-	\$0.00	-	\$0.00	36.00	\$32,328.00
17	17-inch x 13-inch Driveway CMP Culverts with Flared End Section	21 EA	\$940.00	\$19,740.00	-	-	-	-	2.00	\$1,880.00	-	-	-	-	2.00	\$1,880.00	-	-	9.00	\$8,460.00	-	\$0.00	-	\$0.00	13.00	\$12,220.00
18	21-inch x 15-inch Driveway CMP Culverts with Flared End Section	17 EA	\$1,005.00	\$17,085.00	-	-	-	-	-	-	-	-	-	8.00	\$8,040.00	-	-	-	-	-	\$0.00	-	\$0.00	8.00	\$8,040.00	
19	Salvage and Delivery of Existing Hydrants	1 LS	\$2,700.00	\$2,700.00	-	-	-	-	-	-	-	-	0.25	\$675.00	0.25	\$675.00	-	-	-	-	-	\$0.00	-	\$0.00	0.50	\$1,350.00
20	Abandonment of Existing Valve and Valve Box	1 LS	\$6,700.00	\$6,700.00	-	-	-	-	-	-	-	-	0.25	\$1,675.00	0.75	\$5,025.00	-	-	-	-	-	\$0.00	-	\$0.00	1.00	\$6,700.00
21	Asphaltic Concrete Pavement Removal	3,800 SY	\$2.70	\$10,260.00	-	-	-	-	-	-	-	-	-	3800.00	\$10,260.00	-	-	380.00	\$1,026.00	-	\$0.00	-	\$0.00	4,180.00	\$11,286.00	
22	5-inch Asphaltic Pavement (As identified on drawings for Chicago Road, Madeira Drive, and Charmaine Circle)	1,100 Ton	\$89.50	\$98,450.00	-	-	-	-	-	-	-	-	-	1100.00	\$98,450.00	-	-	267.22	\$23,916.19	-	\$0.00	-	\$0.00	1,367.22	\$122,366.19	
23	3-inch Asphaltic Binder Pathway (Oak Creek Drive to Carrollton Drive)	80 Ton	\$122.00	\$9,760.00	-	-	-	-	-	-	-	-	-	50.00	\$6,100.00	-	-	-	\$0.00	-	\$0.00	-	\$0.00	50.00	\$6,100.00	
24	4-inch Water Service Lateral (PVC), 4-inch Gate Valve, 3/4" T.B.B.F., Surface Restoration, Open Cut	1 EA	\$4,365.00	\$4,365.00	-	-	-	-	-	-	1.00	\$4,365.00	-	-	-	-	-	-	-	-	\$0.00	-	\$0.00	1.00	\$4,365.00	
E-1	12" ADS Storm Sewer	198 LF	\$95.00	\$18,810.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	198.00	\$18,810.00	-	\$0.00	-	\$0.00	198.00	\$18,810.00
E-2	Detectable Warning Fields	7 EA	\$291.40	\$2,039.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	\$2,039.80	-	\$0.00	-	\$0.00	7.00	\$2,039.80
E-3	Ditch Grading	6,210 LF	\$6.71	\$41,669.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,210.00	\$41,669.10	-	\$0.00	-	\$0.00	6,210.00	\$41,669.10
E-4	Puetz Frontage Road Paving	1 LS	\$8,728.75	\$8,728.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	\$0.00	1.00	\$8,728.75	1.00	\$8,728.75	
<b>TOTAL (Items 1-24, E-1-E-4)</b>				\$2,110,422.90		\$198,598.00		\$331,266.70		\$310,119.00		\$363,600.00		\$196,476.00		\$239,856.00		\$0.00		\$279,937.99		\$62,518.90		-\$636.25		\$1,981,736.34

Sub-Total Completed To Date		\$1,981,736.34
Less Allowance for testing and approval	0.0%	\$0.00
Less Retainage (5% to 50% complete)	0.0%	\$0.00
<b>Total</b>		\$1,981,736.34
Less Previous Payments		-\$1,931,174.98
<b>TOTAL FINAL PAYMENT DUE</b>		<b>\$50,561.36</b>

Contractor Final Payment Approval by: [Signature] Date: 9/16/16

Recommended for Commission Approval by: [Signature] Date: 9/1/16

OAK CREEK WATER & SEWER UTILITY  
 Approved by PP  
 Date 9-2-2016

OAK CREEK WATER AND SEWER UTILITY


PROGRESS PAYMENT No.2

PROJECT NO. 16104-15th Ave Water Main

Item No.	Item Description	Quantity	Willkomm Excavating and Grading, Inc.		Partial Payment 1 August 9, 2016		Partial Payment 2 September 13, 2016		Total Complete	
			Unit Price	Total Price	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	12" PVC Water Main, 1-1/4" T.B.B.F.	1,133 LF	\$105.50	\$119,531.50	1129.00	\$119,109.50	12.00	\$1,266.00	1,141.00	\$120,375.50
2	Connect to Existing 12" Water Main	2 EA	\$2,246.50	\$4,493.00	1.00	\$2,246.50	1.00	\$2,246.50	2.00	\$4,493.00
3	Hydrant, Lead, and 6-inch Gate Valve	4 EA	\$6,521.00	\$26,084.00	3.00	\$19,563.00	1.00	\$6,521.00	4.00	\$26,084.00
4	12" Gate Valve	3 EA	\$3,534.00	\$10,602.00	2.00	\$7,068.00	1.00	\$3,534.00	3.00	\$10,602.00
5	1-1/4" Water Service Laterals (Polyethylene) M/led	11 EA	\$1,994.00	\$21,274.00	0.00	\$0.00	11.00	\$21,274.00	11.00	\$21,274.00
6	Asphalt Pavement Removal	3,100 SY	\$2.00	\$6,200.00	1550.00	\$3,100.00	1550.00	\$3,100.00	3,100.00	\$6,200.00
7	HMA Pavement, Type E-1, 19.0mm Binder Course	464 TON	\$59.10	\$27,422.40	0.00	\$0.00	397.10	\$23,468.61	397.10	\$23,468.61
8	HMA Pavement, Type E-1, 9.5mm Surface Course	278 TON	\$60.20	\$16,735.60	0.00	\$0.00	330.72	\$19,909.34	330.72	\$19,909.34
9	1-1/4-inch Dense Graded Aggregate Base Course	280 TON	\$28.00	\$7,840.00	0.00	\$0.00	104.00	\$2,912.00	104.00	\$2,912.00
10	Common Excavation	1 LS	\$4,200.00	\$4,200.00	0.00	\$0.00	1.00	\$4,200.00	1.00	\$4,200.00
11	Sawcutting Existing Pavement Full Depth	1,400 LF	\$1.06	\$1,484.00	1311.00	\$1,389.66	0.00	\$0.00	1,311.00	\$1,389.66
12	Excavation Below Subgrade, 1-1/4-inch Dense Graded Aggregate Base	25 CY	\$71.50	\$1,787.50	0.00	\$0.00	0.00	\$0.00	-	\$0.00
13	Excavation Below Subgrade, Breaker Run Base Course	77 CY	\$72.50	\$5,582.50	0.00	\$0.00	0.00	\$0.00	-	\$0.00
14	Pavement Marking, Epoxy, White 4-inch Edge Line	2,415 LF	\$1.25	\$3,018.75	0.00	\$0.00	2278.00	\$2,847.50	2,278.00	\$2,847.50
15	Pavement Marking, Epoxy, Yellow 4-inch Broken Centerline	290 LF	\$1.25	\$362.50	0.00	\$0.00	292.50	\$365.63	292.50	\$365.63
16	Restoration of Lawns and Pathways	1 LS	\$5,151.00	\$5,151.00	0.00	\$0.00	1.00	\$5,151.00	1.00	\$5,151.00
17	Erosion Control	1 LS	\$13,908.00	\$13,908.00	1.00	\$13,908.00	0.00	\$0.00	1.00	\$13,908.00
18	Traffic Control	1 LS	\$6,885.00	\$6,885.00	1.00	\$6,885.00	0.00	\$0.00	1.00	\$6,885.00
<b>TOTAL (Items 1-8)</b>				<b>\$282,561.75</b>	<b>\$173,269.66</b>	<b>\$96,795.68</b>	<b>\$270,065.24</b>			

Sub-Total Completed To Date	\$270,065.24
Less Allowance for testing and approval	\$0.00
Less Retainage (5% to 50% complete)	-\$7,064.04
<b>Total</b>	<b>\$263,001.20</b>
Less Previous Payments	-\$148,878.65
<b>TOTAL PAYMENT DUE THIS PERIOD</b>	<b>\$114,122.55</b>

0.0%  
5% up to 50%

Recommended for Commission Approval by:  Date: 9-1-2016

## PLANT OPERATIONS

August, 2016

<b>PUMPAGE REPORT</b>	<b>2016 (pumpage in gallons)</b>	<b>2015 (pumpage in gallons)</b>	<b>Percentage of Change</b>
Monthly pumpage	317,143,000	269,260,000	+17.8
Monthly average day	10,230,000	8,686,000	+17.8
Monthly peak day	(8/11/16) 11,950,000	(8/5/15) 10,740,000	+11.3
Yearly pumpage	1,921,782,000	1,870,060,000	+2.8
Yearly average day	7,876,000	7,696,000	+2.3
Yearly peak day	(8/11/16) 11,950,000	(7/31/15) 13,150,000	-9.1
West zone pumpage	137,060,000	123,910,000	+10.6

<b>WATER QUALITY REPORT</b>	<b>Raw Water</b>	<b>Finished Water</b>
Average free chlorine		1.52 mg/l
Total chlorine		1.73 mg/l
Average alkalinity	109.7 mg/l	110.5 mg/l
Average pH		
Average fluoride	0.11 mg/l	0.68 mg/l
Average turbidity	3.03 N.T.U.	0.05 N.T.U.
Average temperature	61.6°F	
Hardness	137 mg/l	137 mg/l

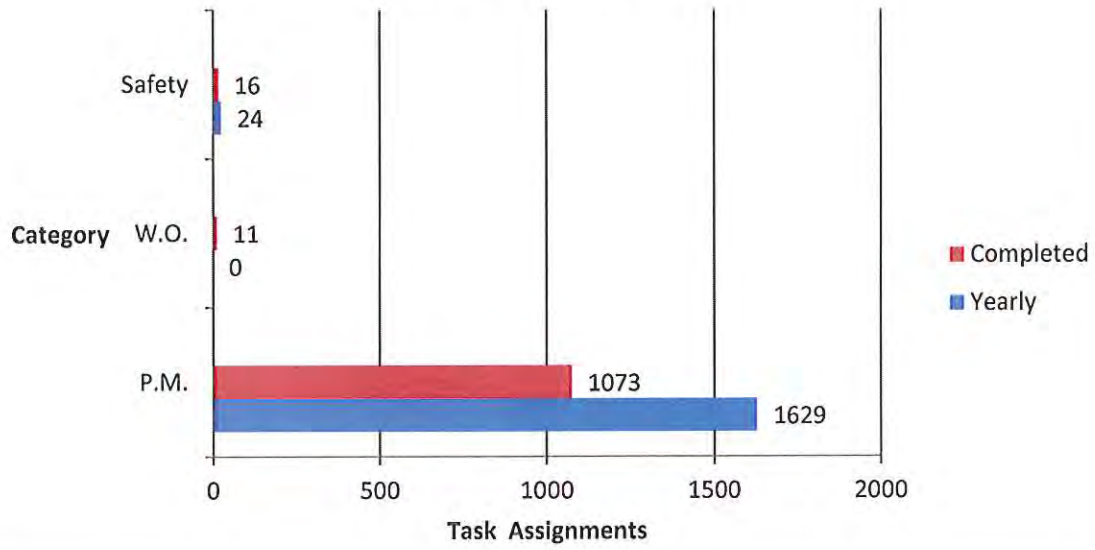
**Preventative Maintenance Tasks:** Staff completed 140 preventative maintenance tasks, 2 miscellaneous work orders, and 2 safety sessions during the month.

**Plant Tour:** Plant staff provided tours of the treatment plant for members of both the Oak Creek and Waukesha Water Commissions and their respective Mayors.

**Raw Water Motor Failure:** Operators Messerschmidt and Muschinski identified a winding failure on raw water pump #7 electric motor. Staff is soliciting quotes for both motor repair and new motor replacement.

**Filter #11:** Operator Robe installed a new electronic interface module on filter #11 effluent flow meter.

# Task Distribution



## **DISTRIBUTION & COLLECTION OPERATIONS**

August 2016

### **Water Main Breaks:**

On August 16<sup>th</sup> the Utility repaired a water main break at 425 East Fitzsimmons Road on a 12" DIP water main that had a 3" x 5" blow hole. The main was installed in 1975.

On August 16<sup>th</sup> the Utility repaired a water main break at 3425 East Puetz Road on a 24" DIP water main that had a 2" x 4" blow hole next to the bell joint. A repair clamp was installed but could not seal. Mid City Plumbing came in on August 22<sup>nd</sup> and cut out a 58" piece of pipe and sleeved in a new piece. The main was installed in 1968.

On August 20<sup>th</sup> the Utility was called in for a report of a water main break at 344 East Susan Drive. The crew repaired a 6" CIP that had several blow holes on the bottom of the pipe. The main was installed in 1960.

On August 23<sup>rd</sup> the Utility repaired a water main break on S. 15<sup>th</sup> Avenue north of East Puetz Road. A 12" DIP had a longitudinal break on the top of the pipe. The main was installed in 1978.

On August 27<sup>th</sup> the Utility was called in for a report of a water main break at 3909 East O'Brien Road. The crew repaired an 8" DIP that had a 3" blow hole. The pipe was installed in 1979.

On August 29<sup>th</sup> the Utility repaired a water main break at 7770 South Quincy Avenue on a 12" DIP water main that had a 2.5" blow hole. The main was installed in 1976.

On August 31 the Utility repaired a 16" DIP water main at East Ryan Road and Northbrook Blvd. The original break occurred on January 6<sup>th</sup> and was temporarily repaired. The crew cut out a 29" section of pipe and sleeved in a new piece of pipe. The main was installed in 1972.

### **Water Lateral Repairs:**

In the month of August there were no laterals repaired.

### **Water Gate Valves Repaired:**

On August 2nd a crew was sent to repair a 6" gate valve at 7301 South 6<sup>th</sup> Street. The packing gland was leaking and bonnet bolts were corroded.

On August 5<sup>th</sup> a crew was sent to repair an 8" gate valve at 7949 S. Wildwood Dr. (at Wake Forest Dr.). The packing was leaking and bonnet bolts were corroded. This was discovered during valve operations.

On August 16<sup>th</sup> a crew was sent to repair a 12" gate valve that the stem popped out of during valve operations. The packing gland bolts were completely corroded away. The valve was installed in 1997.

**Hydrant Repaired:**

On August 18<sup>th</sup> a crew was sent to repair a Mueller fire hydrant that was discovered to be leaking during annual flushing. The bottom barrel bolts were corroded away. At the same time, the crew rebuilt the auxiliary valve for the hydrant to replace corroded bolts.

**Water Tower:**

On August 19<sup>th</sup> and 22<sup>nd</sup> National Wash Authority cleaned the outside of Orchard Way Reservoir.

**Sanitary Manholes:**

On August 17<sup>th</sup> and 19<sup>th</sup> a crew replaced 8 manhole cover seals.



**DISTRIBUTION GOALS 2016**

JOB DESCRIPTION	GOALS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
Meter Testing & Exchanges	400	92	111	66	11	8	32	34	30					384
New Installs	30	5	3	4	6	9	4	2	8					41
Cross Connection Inspections	200	26	44	23	22	32	33	30	23					233
Industrial Inspections		24	8	15	10	23	54	61	74					269
Orion Replacements	200	41	48	40	19	29	34	47	25					283
Water Main Repairs		5	1	1	-	-	3	3	7					20
Water Lateral Repairs		-	2	-	-	-	-	-	-					2
Annual Hydrant Flushing	2,128				1,500	593								2,093
Semi-annual Flushing	215													-
Quarterly Flushing	74x4	74						74						148
Flush Emergency Connections	3								3					3
Watermain Crossings	63	63												63
Hydrant Greasing - Caps	2,128				1,500	593								2,093
Hydrant Greasing - Packing	200						136	104						-
Hydrant Painting	500													240
Winterize Hydrants	58													-
Clean Sewers	185,000	17,096.0	29,638.0	20,161.0	16,434.0	28,898.0	39,454.0	15,477.0	27,039.0					194,137.0
Camera Sewers	90,000	-	953.0	12,662.0	17,361.0	19,828.0	23,156.0	13,139.0	10,537.0					97,636.0
Check Problem Sewers	4x39	39			39			44						122
Check Remote Sewer Mains	40													-
Check Remote Water Mains	25													-
Operate Valves	1,000	11	2	6	11	327	1,095	901	447					2,800
Valve Boxes Repaired or Adjusted		10	1	9	-	2	-	7	1					30
Stop Boxes Repaired or Adjusted		3	1	2	7	5	8	3	2					31
Concrete/Asphalt/Landscaping						13	4	7	1					25
Grout Manholes	25													-
Repair Manhole Chimneys														-
Catholic Protection Tests	11													-
Winterize Equipment														0
Summerize Equipment						Done								0
Run All Equipment						Done								0
MMSD Annual CMOM Report							Done							0
DNR eCMAR							Done							0

## ADMINISTRATIVE OPERATIONS

August 2016

### Fixed Assets:

Senior Accountant Leranath continued working on updating the Utility's continuing property records for 2015.

### Training:

Accounting Supervisor Stenzel attended the Wisconsin Water Association Management Seminar held in Milwaukee on August 3.

Accounting Supervisor Stenzel attended the Wisconsin Institute of Certified Public Accountants Ethics webinar on August 10.

### Workload:

Other administrative tasks included the following:

1. Added 3 customer accounts.
2. Billed 3,249 water customers and 3,372 sewer customers.

### Gallons Billed (in thousands):

	YTD 2016	YTD 2015	YTD 2014	YTD 2013	YTD 2012	Average
Residential	257,197	254,103	257,481	259,076	294,533	264,478
Commercial	294,051	288,149	284,650	271,688	295,901	286,888
Industrial	270,723	255,890	268,545	264,122	235,834	259,023
Public Authority	10,133	15,179	12,071	14,078	16,387	13,570
Wholesale	795,630	830,720	787,166	786,756	892,723	818,599
Total	1,627,734	1,644,041	1,609,913	1,595,720	1,735,378	1,642,557
% Incr (Decr)	-1.0%	2.1%	0.9%	-8.0%		

### New Customers:

	YTD 2016	YTD 2015	YTD 2014	YTD 2013	YTD 2012	Average
Residential	18	15	15	22	27	19.4
Commercial	17	7	1	1	2	5.6
Industrial	0	1	0	0	0	0.2
Public Authority	1	1	0	0	0	0.4
Wholesale	0	0	0	0	0	-
Total	36	24	16	23	29	26
% Incr (Decr)	50.0%	50.0%	-30.4%	-20.7%		

**New Commercial Customers (YTD 2016):** Centennial Park (7 accounts), Chick Fil A (2 accounts), Pet Smart (2 accounts), Mattress Firm, Ryan Road Car Wash, Emerald Row Apartments, Sewing by Suzy, Autumn Creek Assisted Living Home, Splash Pad

**Public Authority (YTD 2016):** Oak Creek – Franklin School District

## **ENGINEERING OPERATIONS**

August 2016

### **15th Avenue Water Main Extension Project**

Willkomm Excavating and Grading, Inc. has substantially completed the project. All items of work on the contract were completed on schedule. Temporary erosion control devices (waddles) have been left in place in order to capture any run-off from the new shoulders. They will be removed in the next two weeks.

The contractor (Willkomm Excavating and Grading) received permission from the property owner (Michael J. Dombrowski) at 9233 S. 15<sup>th</sup> Avenue to move a skid steer onto the property in order to perform lateral installation. During the course of the work, the contractor damaged a 12" – diameter white pine tree. Both Mr. Dombrowski and his Father-in-law, Mr. Bob Vanselow have been in communication with the Utility and the contractor. The contractor hired an arborist to evaluate the tree who recommended a root treatment that costs approximately \$150.00. They offered to pay for the root treatment or give the property owner \$150.00 in cash. This offer was rejected by the property owner. To date, neither Mr. Vanselow nor Mr. Dombrowski have articulated a solution that will satisfy their needs. Engineering continues to follow up with the property owner and the contractor in order to facilitate a resolution to the matter.

### **CT Tank Compliance Project/2016 Water Treatment Plant Improvement Project**

During the month of August, Utility Engineer Pritzlaff, General Manager Sullivan, William Davis (CDM Smith), Lawrie Kobza (Boardman & Clark), and Tony Myers (CH2M) attended the official hearing in the matter of Public Service Commission of Wisconsin (PSC) Docket #4310-CW-108 regarding the construction authorization for the CT Tank Improvement project. City of Franklin representatives and PSC representatives were also in attendance to provide testimony. With the official hearing complete, the legal brief summarizing the project has been completed and submitted in addition to the decision matrix for the project (summarizing each party's position). These final documents have been submitted to the PSC for the Commission's consideration at an upcoming meeting. Utility personnel expect that a PSC decision will be rendered in late September or early October. However, by statute, the PSC has until the end of October in which to render a decision.

### **I-94 and Ryan Road Water Main Crossing**

Utility Engineer Pritzlaff had solicited proposals for this project from the following consultants: SEH Inc., Strand Inc., Baxter & Woodman Inc., Graef Inc., R.A. Smith Inc., and City Water LLC. The proposal from City Water included the leadership necessary to complete the project, focus on access and permitting, and experience with concrete pipe pressure pipe work. These three factors contributed to their selection as the most qualified to complete the project.

### **2016 Sanitary Sewer Rehabilitation Project**

R.A. Smith has been reviewing the sanitary sewer CCTV videos and database provided by Utility Engineering. They anticipate that this work will be complete the second week in September. In late September, they will provide recommendations and cost estimates for sanitary sewer rehabilitation projects throughout the City of Oak Creek. Engineering expects that the project will be advertised in October with rehabilitation work beginning in December. Depending on the amount of work, the project may be divided into multiple contracts.



ENGINEERING  
DEPARTMENT

September 7, 2016

Ronald J. Pritzlaff, P.E.  
Utility Engineer  
Oak Creek Water & Sewer Utility  
170 W. Drexel Avenue  
Oak Creek, WI 53154

Re: Utility Commission Approval Requests for September 2016  
City of Oak Creek Project Nos. 15023, 16051, 16052

Dear Mr. Pritzlaff:

Please review and have the Utility Commission act on these projects at its next regularly scheduled meeting.

Phase 2 of the S. 20th Street extension project to the north of W. Drexel Avenue is proposed to serve the IKEA site. This will add new public water main and public sanitary sewer to serve the new building.

Project No. 15023 Phase 2 of S. 20th Street Expansion (TIF Funded)

Water main  
127 LF of 10" PVC water main  
1784 LF of 12" PVC water main  
5 EA 12" Valves  
2 EA 10" Valves  
4 EA Hydrants  
Appurtenances  
Estimated project cost \$261,500

Public Sanitary Sewer  
1,189 LF of 12" PVC  
76 LF of 8" PVC  
5 - 48" Dia. Manholes  
Connection to existing sanitary  
Estimated project cost \$180,000

The proposed Drexel Ridge project will add public water main and private interceptor sanitary sewer. This will serve Phase 1 of the apartment complex development located on the NW corner of Pennsylvania Avenue and Drexel Avenue.

Project No 16051 Drexel Ridge (Developer Funded) Water main

2,290 LF of 8" PVC water main  
11 - Hydrants  
12 - 8" Valves  
Appurtenances  
Estimated project cost \$380,000

Private Interceptor Sanitary Sewer  
2,000 LF of 8" PVC  
13 - 48" Dia.  
Connection to sanitary  
Estimated project cost \$300,000

The proposed public sanitary sewer extension at 8300, 8304, 8310, and 8400 S. 27th Street. This will remove 2 holding tanks from service and have them connected to the public sewer.

Project No. 16052 S. 27th Street Sanitary Sewer Extension (Developer Funded)

Public Sanitary Sewer  
270 LF of 8" PVC  
1 - 48" Dia. Manhole  
Connection to existing sanitary  
Estimated project cost \$40,500

If you have any questions, please call me at (414) 766-7038. Thank you for your prompt attention to this matter.

Sincerely,



Brian L. Johnston, P.E.  
Assistant City Engineer

**Professional Services Agreement with City Water LLC  
I-94/Ryan road Water Main Crossing**

Date: September 13, 2016

**RECOMMENDATION: That the Commission consider a motion to authorize the Utility Engineer to enter into an agreement with City Water LLC for providing professional services in the design of the I-94/Ryan Road Water Main Crossing project in the not to exceed amount of \$40,000 and to amend the capital budget by the same amount.**

This project includes production of plans and specifications for jacking and boring a new concrete water main pipe to the depth needed to achieve proper cover at the water main crossing at the I-94 and Ryan road interchange.

WisDOT's plans for reconstructing this interchange have been accelerated by about one year with construction planned in summer of 2017. The proposed interchange re-configures the on/off ramps such that a conflict is created between the bottom of the new ditch line and the top of the existing 24" ductile iron water main crossing. The bottom of the new ditch lines will only provide 1' – 1.5' of cover over the existing pipe (not enough cover to maintain flow through winter time).

Engineering solicited proposals for this project from the following consultants: SEH Inc., Strand Inc., Baxter & Woodman Inc., Graef Inc., R.A. Smith Inc., and City Water LLC. The proposal from City Water included the leadership necessary to complete the project, focus on access and permitting, and experience with concrete pipe pressure pipe work. These three factors contributed to their selection as the most qualified to complete the project.

# Memorandum

**To:** General Manager Sullivan  
**CC:** OCWSU Commissioners  
**From:** Plant Manager Francis  
**Date:** 9/8/2016  
**Re:** Raw Water #7 Electric Motor

---

The following are quotes for the rebuild or replacement of the Raw Water #7 electric motor.

## Supplier

### EMS Industrial, Inc.

Rebuild	\$7,151.00
New	\$16,526.88

### WW Electric Motors Inc.

Rebuild	\$7,745.00
---------	------------

### L&S Electric Inc.

New	\$13,720.00
-----	-------------

Recommended bid	\$13,720.00
-----------------	-------------