

## 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, October 11, 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 414-766-7023 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 6th day of October, 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 October 11, 2016	Headquarters Building 170 West Drexel Avenue

**1.0 OPENING OF MEETING**

- 1.1 Roll Call
- 1.2 Minutes Approval - Regular Meeting 09-13-16

**2.0 CLOSED SESSION**

- 2.1 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

**3.0 FINANCIAL MATTERS**

- 3.1 Project Payment Approval
- 3.2 Voucher Approval
- 3.3 Utility Investments

**4.0 ADMINISTRATIVE & OPERATIONS REPORTS**

- 4.1 Aldermanic Report
- 4.2 Plant Operations Report
- 4.3 Distribution Operations Report
- 4.4 Administrative Operations Report
- 4.5 Engineering Operations Report
- 4.6 Manager's Report

**5.0 PROJECT APPROVALS**

- 5.1 Sanitary Sewer Maintenance Project: Chemical Root Treatment

**6.0 MISCELLANEOUS MATTERS**

**7.0 ADJOURN**

## PLANT OPERATIONS

September, 2016

<b>PUMPAGE REPORT</b>	<b>2016 (pumpage in gallons)</b>	<b>2015 (pumpage in gallons)</b>	<b>Percentage of Change</b>
Monthly pumpage	255,390,000	239,338,000	+6.7
Monthly average day	8,513,000	7,978,000	+6.7
Monthly peak day	(9/19/06) 10,270,000	(9/3/15) 9,310,000	+10.3
Yearly pumpage	2,177,172,000	2,109,398,000	+3.2
Yearly average day	7,946,000	7,727,000	+2.8
Yearly peak day	(8/11/16) 11,950,000	(7/31/15) 13,150,000	-9.1
West zone pumpage	109,850,000	111,110,000	-1.1

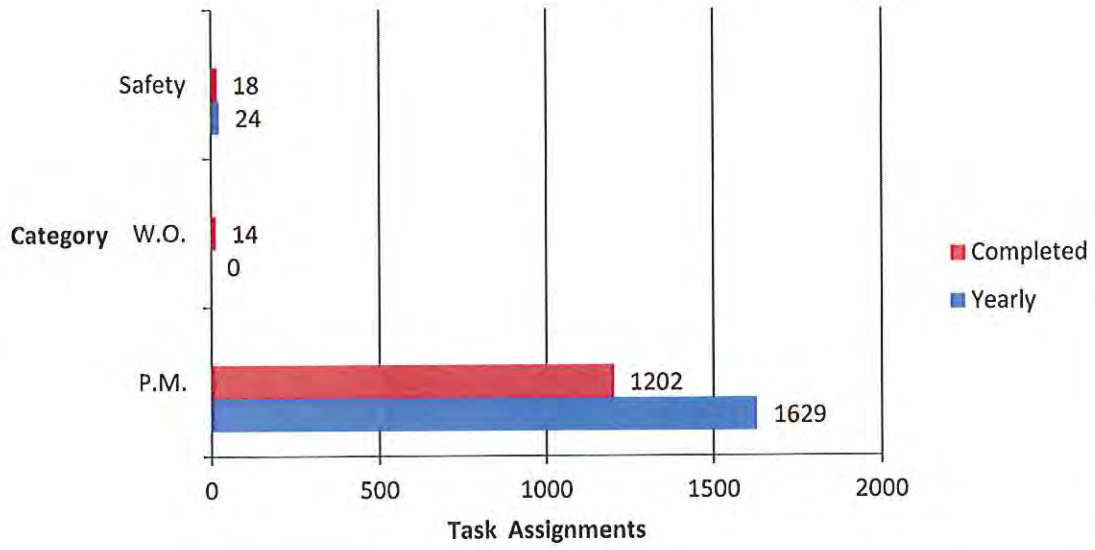
### **WATER QUALITY REPORT**

	<b>Raw Water</b>	<b>Finished Water</b>
Average free chlorine		1.52 mg/l
Total chlorine		1.71 mg/l
Average alkalinity	109.8 mg/l	110.7 mg/l
Average pH		
Average fluoride	0.12 mg/l	0.68 mg/l
Average turbidity	3.55 N.T.U.	0.04 N.T.U.
Average temperature	58.3°F	
Hardness	137 mg/l	137 mg/l

**Preventative Maintenance Tasks:** Staff completed 129 preventative maintenance tasks, 3 miscellaneous work orders, and 2 safety sessions during the month.

**Wisconsin Section AWWA:** Plant Manager Francis and Operator Robe attended the 95<sup>th</sup> Annual Meeting and Expo held in Madison. Operator Robe was presented the 2016 Operator Meritorious Award.

# Task Distribution



## **DISTRIBUTION & COLLECTION OPERATIONS**

**September 2016**

### **Water Main Breaks:**

There were no water main breaks in the month of September.

### **Water Lateral Repairs:**

There were no lateral repairs in the month of September.

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

There were no gate valves repaired in the month of September.

### **Hydrant Abandoned:**

There was a new fire hydrant installed on the southwest corner of South 5<sup>th</sup> Avenue and East Ryan Road with the water main extension on 4/21/16. On September 8<sup>th</sup> a crew abandoned a fire hydrant located 100' away from the new hydrant on the northwest corner of South 5<sup>th</sup> Avenue and East Ryan Road. The elevation changed due to road re-construction resulting in the abandonment of this hydrant.

### **Sanitary Manholes:**

On September 7<sup>th</sup> a crew rebuilt a damaged manhole located at 3920 East Ryan Road. The chimney was found to be cracked. The chimney was rebuilt, and a new seal was installed around the chimney. This was done in coordination with the city repaving the road.

On September 20<sup>th</sup> a crew added a 36" tall barrel section to a manhole that was too low due to an elevation change along a drainage ditch. The corbel section was removed, a barrel section was installed, and the corbel was placed back on.

Thirty six manhole cover seals were replaced in the month of September.

Utility crews cut 10 deposits out of sanitary main lines.

Utility crews performed maintenance on 16 manholes. Deposits were cut inside manholes and flowlines were ground smooth.

### **Miscellaneous:**

Utility crews completed asphalt, concrete, and landscaping restoration from past main breaks, water valve repairs, and fire hydrant repairs.



## ADMINISTRATIVE OPERATIONS

September 2016

### Fixed Assets:

Accounting Supervisor Stenzel and Senior Accountant Leranth completed the Utility's continuing property records for 2015.

### Training:

Accounting Supervisor Stenzel attended the Wisconsin Section of American Water Works Association annual conference in Madison on September 13-16.

### Recognition Dinner:

The Utility's Recognition Dinner will be held on Friday, January 27, at the Oak Creek Community Center.

### Workload:

Other administrative tasks included the following:

1. Added 7 customer accounts.
2. Billed 5,016 water customers and 5,085 sewer customers.

### Gallons Billed (in thousands):

	YTD 2016	YTD 2015	YTD 2014	YTD 2013	YTD 2012	Average
Residential	348,860	336,509	329,559	338,448	403,681	351,411
Commercial	343,404	333,565	329,751	310,938	342,687	332,069
Industrial	317,624	289,466	306,323	295,457	271,789	296,132
Public Authority	10,927	16,928	13,206	15,791	18,392	15,049
Wholesale	838,931	899,064	842,664	834,378	946,177	872,243
Total	1,859,746	1,875,532	1,821,503	1,795,012	1,982,726	1,866,904
% Incr (Decr)	-0.8%	3.0%	1.5%	-9.5%		

### New Customers:

	YTD 2016	YTD 2015	YTD 2014	YTD 2013	YTD 2012	Average
Residential	21	18	19	25	30	22.6
Commercial	21	9	1	1	3	7.0
Industrial	0	1	0	0	0	0.2
Public Authority	1	1	0	0	0	0.4
Wholesale	0	0	0	0	0	-
Total	43	29	20	26	33	30
% Incr (Decr)	48.3%	45.0%	-23.1%	-21.2%		

**New Commercial Customers (YTD 2016):** Centennial Park (9 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, Wheaton Franciscan Healthcare (2 accounts)

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



## **ENGINEERING OPERATIONS**

**September 2016**

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

Willkomm Excavating and Grading, Inc. has substantially completed the project. The restoration work has been completed and the grass is coming in nicely. There are a few areas with minor settlement for which the contractor will return to fill.

Negotiations regarding the damaged tree at the Dombrowski property are on-going. The contractor is in receipt of the counter-offer of \$2,000 from the property owner. They have not accepted that offer and are preparing for further discussions in order to resolve the matter.

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

The Public Service Commission of Wisconsin (PSC) met on September 15<sup>th</sup> regarding the construction authorization for this project. The PSC denied the construction authorization.

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

Design work and preliminary permitting has begun on this project. The Utility's work plan has been submitted to the Wisconsin Department of Transportation (WisDOT) for the project which includes jacking and boring a new pipe and casing underneath I-94 at the intersection with Ryan Road.

Initially, WisDOT representatives had expressed that funding for the construction of the interchange was available. However, recent developments have shown that the project has not been approved for construction at the State level. Engineering is proceeding as if the project will be funded at this time, but there could be delays if the State of Wisconsin does not approve the project under this biennium.

Engineering is negotiating with WisDOT for compensation for the work the Utility will have to complete in order to mitigate conflicts with their work. If successful, WisDOT will pay for 90% of the costs for work within the right of way and 100% of the costs for water main work that is within an easement.

Currently, the WisDOT project remains in limbo as the State of Wisconsin budget process moves forward. Engineering continues to monitor progress in this regard and will act accordingly once a decision is made.

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

R.A. Smith has reviewed all CCTV videos and provided rehabilitation strategies City – wide. The initial project will include lining several thousand feet of sanitary sewer with approximately six excavations and pipe relays. Engineering is currently working with the City of Oak Creek in order to determine requirements for road restoration in areas that have to be re-laid. Concurrently, design work has begun on the both the lining and relay portions of the project.

## Sanitary Sewer Maintenance Project

Date: October 11, 2016

**RECOMMENDATION: That the Commission consider a motion to approve the Sanitary Sewer Maintenance Project and award it to Dukes Root Control Inc., based on a bid amount of \$24,207.96.**

Distribution is proposing that select sanitary sewers throughout the City of Oak Creek be chemically treated for root infiltration based on review of CCTV video. The chemical treatment permeates the roots to a point well outside the pipe and eliminates them with no detriment to the overall health of the tree.

In the past, distribution has found that Duke's Root Control, Inc. consistently provides the best pricing per lineal foot for chemical treatments and excellent customer service. The prices as submitted are summarized in the table below:

<b>Chemical Treatment Bid / Costs per Dukes Root Control</b>			
<b>Pipe size</b>	<b>Unit Cost</b>	<b>Length to be Treated (LF)</b>	<b>Total Cost</b>
8"	\$1.59/LF	11,160	\$17,744.40
10"	\$1.76/LF	951	\$1,673.76
12"	\$1.92/LF	425	\$816.00
15"	\$2.73/LF	125	\$341.25
18"	\$3.97/LF	915	\$3,632.55

The total cost of chemically treating over 13,576 lineal feet of sanitary sewer is **\$24,207.96.**