

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, July 12, 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 6th Street, Oak Creek, Wisconsin, 53154.

DATED, at Oak Creek, Wisconsin, this the 6th day of July, 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 July 12, 2016	Headquarters Building 170 West Drexel Avenue

- 1.0 OPENING OF MEETING**
 - 1.1 Roll Call
 - 1.2 Minutes Approval - Regular Meeting 06-14-16
- 2.0 FINANCIAL MATTERS**
 - 2.1 Project Payment Approvals
 - 2.2 Voucher Approval
 - 2.3 Utility Investments
 - 2.4 Financial Statements
- 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**
- 5.0 MISCELLANEOUS MATTERS**
- 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**

PLANT OPERATIONS

June, 2016

PUMPAGE REPORT	2016 (pumpage in gallons)	2015 (pumpage in gallons)	Percentage of Change
Monthly pumpage	270,240,000	242,220,000	+11.6
Monthly average day	9,008,000	8,074,000	+11.6
Monthly peak day	(6/20/16) 11,350,000	(6/4/15) 9,820,000	+15.6
Yearly pumpage	1,302,849,000	1,308,276,000	-0.4
Yearly average day	7,159,000	7,228,000	-0.9
Yearly peak day	(6/20/16) 11,350,000	(6/4/15) 9,820,000	+15.6
West zone pumpage	129,170,000	111,930,000	+15.4

WATER QUALITY REPORT	Raw Water	Finished Water
Average free chlorine		1.52 mg/l
Total chlorine		1.72 mg/l
Average alkalinity	110.8 mg/l	111.4 mg/l
Average pH	8.5	8.3
Average fluoride	0.13 mg/l	0.71 mg/l
Average turbidity	5.0 N.T.U.	0.05 N.T.U.
Average temperature	56.5°F	
Hardness	137 mg/l	137 mg/l

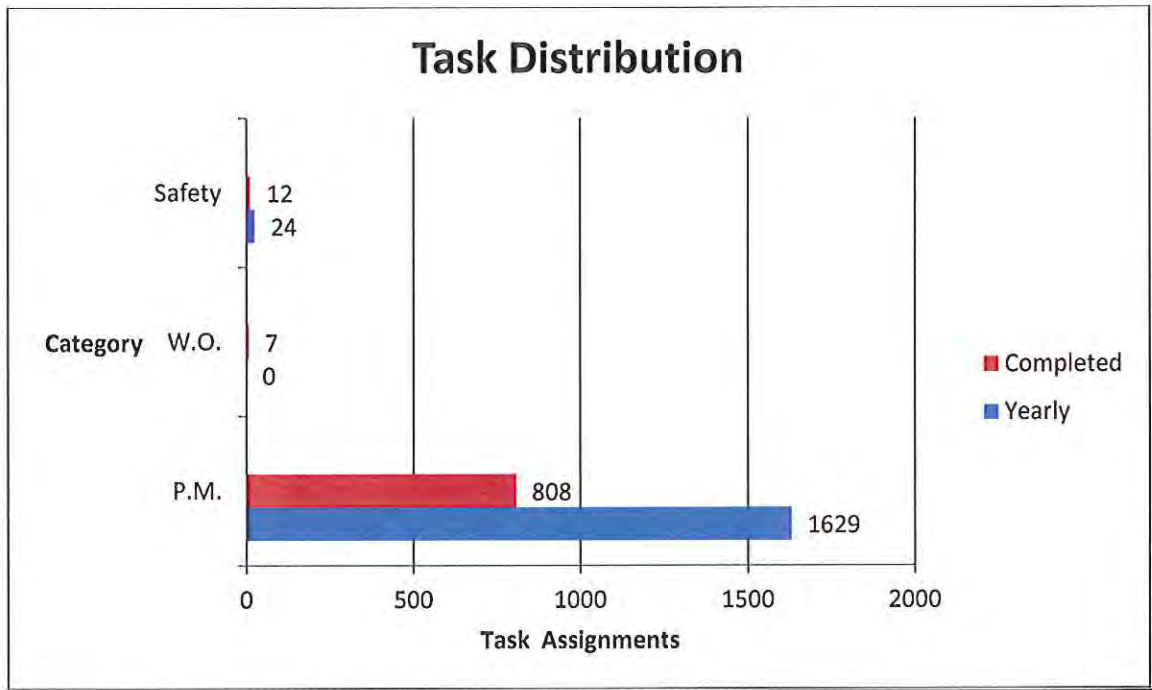
Preventative Maintenance Tasks: Staff completed 133 preventative maintenance tasks, 0 miscellaneous work orders, and 2 safety sessions during the month.

Effluent Valve Actuator Replacement: Staff removed the existing Auma electrical valve actuators on filters 1-4 and installed new Limitorque electrical actuators. Limitorque reps were on-site for startup and calibration.

Boiler Pump Failure: Operator White replaced the mechanical seal on the pump for the dehumidification system.

Intake Inspection: Underwater Construction Corporation completed the inspection of the intake crib and inlet cone. The structure and piping were found to be in good condition with no blockage or damage.

Treatment Plant Floors: Staff stripped and sealed the street level floors at the treatment plant.



DISTRIBUTION & COLLECTION OPERATIONS

June 2016

Water Main Break:

On June 5th a crew was called in to repair a main break at 7630 South Quincy Avenue. A 12" DIP installed in 1966 had a blowhole.

On June 16th a report of a main break at 10585 South Chicago Road was received. The break was on a 16" DIP installed in 1979. Because of the location of the main Mid City Plumbing was called in to do the repair.

On June 25th there was a report of a main break at 8940 South Shepard Avenue. There was a blowhole on the bottom of the main next to the bell on the pipe. The bottom of the pipe was corroded, so that a 38" section of pipe had to be removed and a new piece sleeved in. The main was installed in 1964.

Water Lateral Repair:

In the month of June there were no lateral leaks.

Fire Hydrant Repairs:

On June 12th a crew was sent to 521 East Ryan Road to repair a hydrant that would not shut off. After investigating, a broken stem coupler needed replacing.

On June 21st a crew was sent to 7880 South 10th Street to repair a hydrant hit by a car. The police report is being sent.

In June the Utility adjusted seven hydrants for the 27th Street project.

Miscellaneous:

On June 6th summer helpers Evan Siira and Michael Zawacki started.

On June 9th Utility Service Workers Volbrecht, Pier and Distribution Manager Schwartz attended the Wisconsin Classic Collection System Seminar in Watertown. Topics included: Private Property Lateral Rehabilitation, Grease Traps 101, Acoustic Sewer Inspection, Lining vs Grouting, Trench Safety and DNR updates.

On June 20th Utility Service Worker Price and Distribution Manager Schwartz attended the AWWA ACE16 conference in Chicago, IL.

On June 21st and 22nd Utility Service Worker Allard attended the AWWA ACE16 conference in Chicago as a representative for Wisconsin competing in TOP OPS.

On June 28th – 30th Utility Service Worker Maughan attended a Cross Connection Surveyor Training at WRWA in Plover, Wisconsin.

ADMINISTRATIVE OPERATIONS

June 2016

Comprehensive Annual Financial Report:

The Utility's Comprehensive Annual Financial Report (CAFR) has been printed and assembled. Three copies were submitted to the Government Finance Officers Association for the 2015 Certificate of Achievement Award. Baker Tilly Virchow Krause, LLP issued their unqualified opinion letter on the financial statements, dated June 14, which is included in the CAFR.

Auditor's Report on Internal Control:

Baker Tilly Virchow Krause, LLP issued their report on internal control for the Utility. It is stated in this report that "we did not identify any deficiencies in internal control that we consider to be material weaknesses."

Training:

Accounting Supervisor Stenzel attended the WIAWWA Customer Service Seminar in Lake Geneva on June 8.

Workload:

Other administrative tasks included the following:

1. Added 9 customer accounts.
2. Billed 5,008 water customers and 5,078 sewer customers.

Gallons Billed (in thousands):

	YTD 2016	YTD 2015	YTD 2014	YTD 2013	YTD 2012	Average
Residential	201,274	200,627	204,743	205,808	216,125	205,715
Commercial	208,359	208,702	208,861	198,476	206,296	206,139
Industrial	182,265	189,936	197,660	188,081	170,993	185,787
Public Authority	7,414	11,614	8,915	10,554	11,214	9,942
Wholesale	528,320	566,838	542,873	534,778	552,268	545,015
Total	1,127,632	1,177,717	1,163,052	1,137,697	1,156,896	1,152,599
% Incr (Decr)	-4.3%	1.3%	2.2%	-1.7%		

New Customers:

	YTD 2016	YTD 2015	YTD 2014	YTD 2013	YTD 2012	Average
Residential	14	12	12	19	20	15.4
Commercial	14	6	1	1	1	4.6
Industrial	0	1	0	0	0	0.2
Public Authority	1	1	0	0	0	0.4
Wholesale	0	0	0	0	0	-
Total	29	20	13	20	21	21
% Incr (Decr)	45.0%	53.8%	-35.0%	-4.8%		

New Commercial Customers (YTD 2016): Centennial Park (6 accounts), Chick Fil A (2 accounts), Pet Smart (2 accounts), Mattress Firm, Ryan Road Car Wash, Emerald Row Apartments, seamstress at 9867 S. Chicago Road

Public Authority (YTD 2016): City of Oak Creek Splash Pad

ENGINEERING OPERATIONS

June 2016

5th Avenue water Main Extension Project

This project is complete and final payment is forthcoming. The purpose of this project was to extend water main at the intersection of STH 32 and STH 100 and the intersection of 5th Avenue and Ryan Road ahead of the City of Oak Creek paving project that will eventually connect STH 100 with 5th Avenue in order to minimize damage to newly paved areas in the future.

CT Tank Compliance Project/2016 Water Treatment Plant Improvement Project

CDM Smith has completed the water demand forecast as per the Public Service Commission of Wisconsin order to re-open the record under Docket #4310-CW-108. Subsequently, direct testimony was submitted by William Davis (CDM Smith) and Utility Engineer Pritzlaff regarding the new demand forecast.

CH2M has developed incremental cost analyses for both a 22 MGD demand and 30 MGD demand in the year 2040. For the 22 MGD scenario, two separate analyses were completed, one in which two future pump holes were constructed for expandability and one in which one future pump hole was constructed for expandability. The analysis in which one pump hole is constructed also resulted in a reduction in size to the buildings. The results of that analysis are below:

Figure 1: Incremental Costs (2 Future Pump Spaces)

Cost Description	Cost to Construct 22 MGD	Cost to Construct 30 MGD	Cost Difference
Intermediate Pump Station	\$4,568,000	\$4,899,200	\$331,200
UV Disinfection	\$5,257,800	\$5,640,700	\$382,900
Storage Tank	\$3,288,500	\$3,288,500	\$0
High Lift Pump Station	\$6,443,000	\$7,200,500	\$757,500
Piping	\$2,897,400	\$3,194,500	\$297,100
Fluoride Equipment	\$549,500	\$602,300	\$52,800
Stand By Generator	\$874,100	\$874,100	\$0
Subtotal Construction	\$23,878,300	\$25,699,800	\$1,821,500
Engineering/Administrative	\$3,855,000	\$3,855,000	\$0
Total Cost	\$27, 733,300	\$29,554,800	\$1,821,500

The difference in cost for this scenario is \$1,821,500. Thus for a 36% increase in capacity, the cost only increases by 6%.

CH2M also analyzed the costs in a scenario in which only one future pump hole was constructed and the buildings decreased in size. The results of that analysis are in Figure 2.

Figure 2: Incremental Costs (1 Future Pump Space)

Cost Description	Cost to Construct 22 MGD	Cost to Construct 30 MGD	Cost Difference
Intermediate Pump Station	\$4,515,000	\$4,899,200	\$384,200
UV Disinfection	\$5,195,600	\$5,640,700	\$445,100
Storage Tank	\$3,288,500	\$3,288,500	\$0
High Lift Pump Station	\$6,122,100	\$7,200,500	\$1,078,400
Piping	\$2,897,400	\$3,194,500	\$297,100
Fluoride Equipment	\$549,400	\$602,300	\$52,900
Stand By Generator	\$874,100	\$874,100	\$0
Subtotal Construction	\$23,442,100	\$25,699,800	\$2,257,700
Engineering/Administrative	\$3,855,000	\$3,855,000	\$0
Total Cost	\$27,297,100	\$29,554,800	\$2,257,700

The difference in cost for this scenario is \$2,257,700. Thus for a 36% increase in capacity, the costs increases by 8%. The utility provided this information as a courtesy to the PSC for informational purposes only and to ensure the record under the docket is complete.

Tony Myers from CH2M and Utility Engineer Pritzlaff will be submitting additional direct testimony to the PSC regarding these incremental costs on July 6, 2016.

The Wisconsin Department of Natural Resources has resumed their review of the submitted Intermediate Remedial Action Plan for the site. Engineering expects that the review will be completed shortly (2 weeks) and culminate with WDNR approval.

15th Avenue Water Main Extension Project

This bids for this assessable project have been opened. The Commission awarded a construction contract to Willkomm Excavating and Grading, who submitted the low proposal in the amount of \$282,561.75. Construction will begin the second week in July and consists of extending approximately 1,100' of 12" PVC water main in 15th Avenue from East Woodview Avenue to 1,100' north of East Woodview Avenue. Construction is scheduled to be complete by August 26, 2016.