

## 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 09, 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 6<sup>th</sup> Street, Oak Creek, Wisconsin, 53154.

**DATED**, at Oak Creek, Wisconsin, this the 4th day of October, 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 October 09, 2018	Headquarters Building 170 West Drexel Avenue

**1.0 OPENING OF MEETING**

- 1.1 Roll Call
- 1.2 Minutes Approval - Regular Meeting 09-11-18

**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. Oak Creek – Franklin Municipal Water Agreement

**3.0 PROJECT APPROVALS**

**4.0 MISCELLANEOUS MATTERS**

- 4.1 Clark Dietz Engineering Services Amendment #4
- 4.2 Award Project 18105, Forest Hill WM Extension
- 4.3 Award Project 18104, 27<sup>th</sup> Street WM Extension

**5.0 FINANCIAL MATTERS**

- 5.1 Project Payment Approval
- 5.2 Voucher Approval
- 5.3 Utility Investments

**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**

**Amendment #4 to the Professional Services Agreement with Clark Dietz, Inc.**

Date: October 9, 2018

**RECOMMENDATION: That the Commission consider a motion to authorize the Utility Engineer to amend the existing professional services agreement with Clark Dietz Inc. for producing an electrical feasibility study at the water treatment plant in the not to exceed amount of \$28,300.00 and amend the capital budget by the same.**

The Utility needs to assess the feasibility of upgrading the 2.4kV electrical distribution facilities at the water treatment plant. The upgrades to the electrical distribution system will address the immediate need to mitigate operational issues with existing 1970's era 2.4kV switchgear while also providing the capabilities to interface with future electrical upgrades.

## 27<sup>th</sup> Street Water Main Extension Contract Award

Project Nos.: 18104

Date: October 9, 2018

**RECOMMENDATION: That the Commission consider a motion to approve the 27<sup>th</sup> Street Water Main Extension project and award a construction contract to the lowest responsive, responsible bidder, Globe Contractors, based on the bid amount of \$222,960.00.**

This project completes the loop on 27<sup>th</sup> Street from South Branch Boulevard to 1,000' South of South Branch Boulevard and is part of the 2018 Capital Improvement Plan. The 12" PVC water main will be extended along this corridor in order to complete the loop and improve overall flow.

The work was advertised, and the following bids were received:

<b>Contractor</b>	<b>Bid Amount</b>
<b>Globe Contractors</b>	<b>\$222,960.00</b>
D.K. Contractors	\$240,325.00
Mid City Plumbing	\$243,475.00
Advance Construction	\$259,351.00
UPI LLC	\$262,757.00

The capital budget for this project is \$275,000.

## ADMINISTRATIVE OPERATIONS

September 2018

### Training:

Accounting Supervisor Stenzel attended the Wisconsin Section of the American Water Works Association annual conference in Madison on September 11-14.

### Utility Clerk Position:

The time period for receiving Utility Clerk applications closed on September 21, and the process of selecting a candidate for the position has begun.

### Workload:

Other administrative tasks included the following:

1. Added 4 customer accounts for the month.
2. Billed 5,061 water customers and 5,131 sewer customers.

### Gallons Billed (in thousands):

	YTD 2018	YTD 2017	YTD 2016	YTD 2015	YTD 2014	Average
Residential	327,084	321,217	348,860	336,509	329,559	332,646
Commercial	341,163	355,077	343,404	333,565	329,751	340,592
Industrial	388,205	331,711	317,624	289,466	306,323	326,666
Public Authority	9,822	9,935	10,927	16,928	13,206	12,164
Wholesale	766,279	750,838	838,931	899,064	842,664	819,555
Total	1,832,553	1,768,778	1,859,746	1,875,532	1,821,503	1,831,623
% Change to Prior Year	3.6%	-4.9%	-0.8%	3.0%	N/A	
% Change to Average	0.1%	-3.4%	1.5%	2.4%	-0.6%	

### New Customers:

	YTD 2018	YTD 2017	YTD 2016	YTD 2015	YTD 2014	Average
Residential	24	21	21	18	19	20.6
Commercial	17	23	21	9	1	14.2
Industrial	0	0	0	1	0	0.2
Public Authority	1	0	1	1	0	0.6
Wholesale	0	0	0	0	0	-
Total	42	44	43	29	20	35.6

**New Residential Customers (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, 8675 S. 5<sup>th</sup> Avenue

**New Commercial Customers (YTD 2018):**

Drexel Square Hotel, HSI Drexel Ridge (9 accounts), Storage Shop USA, IKEA, warehouse building on 10651 S. Oakview Parkway, GSI Family Investments of WI, Howell Avenue Retail II, Hoffman Storage LLC, We Energies – Admin Building

**New Public Authority Customers (YTD 2018):**

City of Oak Creek – 4001 E. Lake Vista Parkway

# ENGINEERING OPERATIONS

September 2018

## I-94 & Puetz Road Water Main Crossing

The preconstruction conference for this project is scheduled for the second week in October. Engineering expects that construction will begin shortly thereafter. Because of the nature and location of the construction, coordination with the Wisconsin Department of Transportation (WisDOT) and their contractor will be imperative to completing the project on schedule.

## 27<sup>th</sup> Street Water Main Extension

This project was bid on September 21, 2018. Globe Contractors submitted the low proposal for extending approximately 1,000' of 12" PVC water main in 27<sup>th</sup> Street from West Southbranch Boulevard to approximately 1,000' south of West South Branch Boulevard.

## Forest Hill Water Main Extension

This project has been advertised. Bids will be open on October 5, 2018. This project will complete the water main loop in East Forest Hill and will require the installation of approximately 1,500' of water main. The bulk of the work consists of directional drilling and a jack and bore underneath an existing box culvert and railroad tracks.

## East Brooke Subdivision

Phase I of this single-family residential development is nearly complete. Final adjustments remain for sanitary manhole covers and fire hydrants. Phase II will begin in November to complete the subdivision utilities.

## Orchard Hills

Final plans and specifications are complete for this developer project which consists of the installation of public water main and sanitary sewer for a large apartment complex. Construction is expected to begin in November for this development.

## Glen Crossing Phase I and II

Both Phase I and II public water main and sanitary sewer are complete for this single-family residential development.

## Creekside Crossing

Plans for this short sewer and water extension that are proposed to serve development south of IKEA are complete. At this time, it is largely unknown what or who will be developing this land. Engineering does not anticipate construction to begin anytime soon.

## 13<sup>th</sup> Street CSM and Proposed Mixed Use Development

There is currently a proposed mixed use development at the northwest corner of 13<sup>th</sup> Street and Drexel Avenue. Several lots have been divided via CSM. This development will likely include the extension of public water and sewer when its final configuration is determined. It appears that this development is still in the conceptual stage. However, Engineering has submitted comments on the need for public water and sewer to the Planning Commission of the City of Oak Creek. Additionally, Engineering requested that easements for public water and sewer be shown on the CSM.

## **DISTRIBUTION & COLLECTION OPERATIONS**

**September 2018**

### **Water Main Breaks:**

On September 6<sup>th</sup>, at 4:00 pm the Utility had a report of a main break at 7424 South Chapel Drive. A crew was called in to repair a 12" DIP that was installed in 1966. After excavating the main a blow hole in the pipe was found.

### **Water Lateral Repairs:**

There were no lateral repairs in the month of September.

### **Valves Repaired:**

On September 10<sup>th</sup> a crew was sent to 1024 East Marquette Avenue to repair a 6" gate valve that was leaking. After excavating the valve, the bonnet and packing bolts were replaced.

On September 11<sup>th</sup>, a crew was sent to 8400 South Howell Avenue to repair a 6" gate valve that was leaking. After excavating the valve, the bonnet and packing bolts were replaced.

### **Hydrant Repairs:**

On September 5<sup>th</sup> a crew was sent to 2008 West Rawson Avenue to repair a hydrant that was hit. The breakaway flanges and coupler were replaced along with a 2 ½" nozzle. There is no police report on file.

On September 7<sup>th</sup> a crew was sent to 1024 East Marquette Avenue to repair a hydrant that was leaking when charged. The drain valve rubber and main line valve rubber were replaced.

### **Sanitary Sewer Maintenance:**

In September crews worked on cleaning and televising mains.

### **Miscellaneous:**

In the month of September, Utility workers completed 10 restoration projects from previous water main repairs.

On September 27<sup>th</sup> annual hearing screenings and pulmonary function testing was completed for Distribution and Engineering Departments.





## PLANT OPERATIONS

September, 2018

<b>PUMPAGE REPORT</b>	<b>2018</b>	<b>2017</b>	<b>% Change</b>	<b>5 Year %</b>
Monthly Pumpage	244,085,000	254,017,000	-3.9	+0.3
Monthly Average Day	8,136,000	8,467,000	-3.9	+0.3
Monthly Peak Day	(9/23) 10,000,000	(9/18) 10,210,000	-2.0	+5.5
Yearly Pumpage	2,112,521,000	2,019,882,000	+4.6	+1.2
Yearly Average Day	7,738,000	7,399,000	+4.6	+1.2
Yearly Peak Day	(7/11) 12,110,000	(8/27) 10,510,000	+15.2	+2.7
West Zone Pumpage	129,890,000	118,440,000	+9.7	+6.4

<b>WATER QUALITY REPORT</b>	<b>Raw Water</b>	<b>Finished Water</b>
Average Free Chlorine		1.59 mg/l
Total Chlorine		1.75 mg/l
Average Alkalinity	108.3 mg/l	109.1 mg/l
Average pH	8.3	8.1
Average Fluoride	0.14 mg/l	0.72 mg/l
Average Turbidity	4.34 NTU	0.04 NTU
High Temperature	68.8 F	
Hardness	137 mg/l	137 mg.l

**Preventative Maintenance Tasks:** Staff completed 81 preventative maintenance tasks, 7 miscellaneous work orders, and 3 safety sessions during the month.

**Operators:** Operator Ludke, Muschinski, Bozich, Anaya, and Krueger attended Confined Space Entry training on 9/06/18.

Plant Manager Robe attended the annual WIAWWA conference in Madison.

**Plant:** The Treatment Plant participated in the Sneak Peak Oak Creek event. Plant staff conducted tours to 78 people which was slightly less than 87 people last year.

Filter turbidity meter trials have concluded and the Hach unit was the preferred meter.

