

## 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 10, 2019, 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 5th day of September, 2019.

/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 10, 2019	Headquarters Building 170 West Drexel Avenue

**1.0 OPENING OF MEETING**

- 1.1 Roll Call
- 1.2 Minutes Approval - Regular Meeting 08-13-19

**2.0 CLOSED SESSION**

- 2.1 Closed Session in Accordance with Section 19.85 (1) (b), (c), (f), and (g) of the Wisconsin State Statutes for the Following Purpose:
  - A. Request for Extended Leave
  - B. Employee Grievance
- 2.2 Consider a Motion to Take Action, if Required

**3.0 PROJECT APPROVALS**

**4.0 MISCELLANEOUS MATTERS**

- 4.1 Recommendation to MMSD to Install the 27<sup>th</sup> Street MIS from Oakwood Road to County Line Road Prior to the DOT's Planned Road Reconstruction
- 4.2 Change Order No. 2 Wildwood
- 4.3 DNR CMAR Response and Grade
- 4.4 Recommend Approval of We Energies Easement at Orchard Tower
- 4.5 Present 20-Year Directors Award from Partnership for Safe Water

**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**

## 27<sup>th</sup> Street MIS Request

Date: September 10, 2019

**RECOMMENDATION: That the Commission consider a motion recommending the Common Council approve a resolution requesting the Milwaukee Metropolitan Sewerage Commission (MMSD) install a proposed Metropolitan Interceptor Sewer (MIS) in 27<sup>th</sup> Street from Oakwood Road to the County line as soon as practical.**

MMSD is evaluating the installation of a MIS in 27th Street from the end of their existing line at Oakwood Road to a point south of the County line. Oak Creek is very interested in this MIS because it would allow the development of very desirable property on the east side of 27th Street at the new Elm Road interchange. Several real development opportunities have been withdrawn due to the lack of sewer. A current significantly sized development proposal is looking to begin construction early next year. They understand the sewer situation and are willing to install temporary alternatives until the MIS is available for service. In order for this development to move forward they need to know when the MIS would be available.

Additionally, the Utility has learned the DOT is planning on reconstructing 27<sup>th</sup> Street from the County line to a point north of Elm Road. This would be a perfect opportunity for MMSD to install their MIS prior to or during the construction of the highway.

This new MIS would serve the district member communities of Oak Creek, Franklin, and Caledonia as well as soon to be district member the Village of Raymond. With four communities served and all in support, this would truly be a regional sewer.

**CHANGE ORDER AUTHORIZATION  
CHANGE ORDER NO. 2  
PROJECT NO. 19101**

**Wildwood Drive Water Main Relay and Sanitary Sewer Relay**

INITIATED BY THE OAK CREEK WATER AND SEWER UTILITY  
DATE INITIATED: August 22, 2019

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

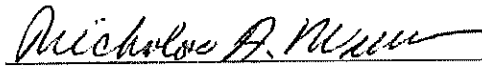
ITEM NO.	ITEM DESCRIPTION	QUANTITY UNIT	UNIT PRICE	COST
E-1	Water Main Repair Station 26+70 leak at exist hydrant	1 LS	\$1,353.65	\$1,353.65
E-2	Water Main Repair 0+50 South Wayland Drive	1 LS	\$4,590.64	\$4,590.64
	<b>TOTAL CHANGE ORDER</b>			<b>\$5,944.29</b>

E = Contract Extra, C = Contract Credit

This work, performed under the Wildwood Drive Water Main Relay and Sanitary Sewer Relay contract, is hereby agreed upon and has been performed as indicated under the contract for Project No. 19101, Change Order No. 2 for contract extras with a total net cost of \$5,944.29

Willkomm Excavating, & Grading, Inc.

Oak Creek Water & Sewer Utility

  
Signature

\_\_\_\_\_  
Signature

Nicholas A. Willkomm  
Accepted by (print name)

\_\_\_\_\_  
Accepted by (print name)

August 22, 2019  
Date Accepted

\_\_\_\_\_  
Date Accepted

# Compliance Maintenance Annual Report

Oak Creek City

Last Updated: Reporting For:

5/20/2019

2018

## DNR Response to Resolution or Owner's Statement

Name of Governing Body or Owner:	<input type="text" value="Oak Creek water and Sewer Utility"/>
Date of Resolution or Action Taken:	<input type="text" value="05/14/2019"/>
Resolution Number:	<input type="text" value="2019-14-6.1"/>
Date of Submittal:	5/20/2019

### ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F):

Financial Management: Grade = A

#### Permittee Response:

#### DNR Response:

Thank you for reviewing your User Charge System & Equipment replacement Funds in 2018. Continue to ensure there are adequate funds to maintain and replace equipment so the facility can maintain compliance.

There are a number of projects listed in the future planning section with approximate construction dates in the past. If these projects have not been completed, please update the completion date for next year's CMAR. If the projects are complete, please remove it from the future planning section.

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

#### Permittee Response:

#### DNR Response:

Continue to implement, update and improve your CMOM plan since it is intended to be a living, breathing document. As the new wastewater engineer for Milwaukee & Racine counties, I recommend adding my contact info into your CMOM's Overflow Response plan.

### ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS

(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)

G.P.A. = 4

#### Permittee Response:

#### DNR G.P.A. Response:

#### DNR CMAR Overall Response:

Thank you for your submission of this report. The department appreciates your effort to protect human health and the environment by assuring that your wastewater collection system is properly maintained. Don't hesitate to contact [Jacob.wedesky@wisconsin.gov](mailto:Jacob.wedesky@wisconsin.gov) or call (414-263-8692) if you have any questions regarding any of the above responses.

DNR Reviewer: Wedesky, Jacob

Phone:

Address: 2300 N Dr Martin Luther King Jr Dr, Milwaukee, WI 53212

Date: 8/21/2019

## **Orchard Electric Distribution Easement Approval**

Date: September 10, 2019

**RECOMMENDATION: That the Commission consider a motion to approve the vacation of the existing electric easement and approve the proposed electric distribution easement at 8430 W Orchard Way.**

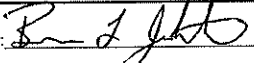
We Energies needed to run a new primary electric line to service the Orchard Hills apartment development. The new line is proposed to run from the transformer that is located near the Orchard booster pump station. We requested that We Energies stake out the existing easement and locate the proposed new primary line in the field to see where this crosses our water main. It was discovered that the existing and proposed electric lines are not located in the recorded easement. We worked with We Energies to provide a route that works for the new electric line and then they drafted a new easement to correspond with the line. This request will clean up the easement issue on site for the electric line. The old easement will be vacated and this new easement will be replaced to cover the actual location of the power lines.

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

PROJECT NO. 19101-Willow Drive Water and Sewer Relays

Item No.	Item Description	Bid Quantity	Unit Price	Total Price	Partial Payment No. 1 July 9, 2019		Partial Payment No. 2 August 13, 2019		Partial Payment No. 3 September 10, 2019		PROJECT TOTAL	
					Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	8-INCH PVC WATER MAIN 1-1/4" TBBF	1799.00	LF	\$144.00	\$259,056.00	915.00	\$131,760.00	885.00	\$127,440.00	\$0.00	1,800.00	\$259,200.00
2	CONNECT TO EXISTING 8" WATER MAIN	9.00	EA	\$5,174.00	\$46,566.00	4.00	\$20,696.00	5.00	\$25,870.00	\$0.00	9.00	\$46,566.00
3	8-INCH WATER MAIN STRUCTURAL LINING	125.00	LF	\$468.00	\$58,500.00		\$0.00	123.00	\$57,564.00	\$0.00	123.00	\$57,564.00
4	6-INCH WATER LATERAL RECONNECTION	3.00	EA	\$6,529.00	\$19,587.00		\$0.00		\$0.00	\$0.00	-	\$0.00
5	3-INCH WATER LATERAL RECONNECTION	2.00	EA	\$5,306.00	\$10,612.00	1.00	\$5,306.00	1.00	\$5,306.00	\$0.00	2.00	\$10,612.00
6	WATER SERVICE LATERAL RECONNECTION	6.00	EA	\$2,535.00	\$15,210.00	1	\$2,535.00	4	\$10,140.00	\$0.00	5.00	\$12,675.00
7	8" GATE VALVE & BOX	13.00	EA	\$1,928.00	\$25,064.00	6	\$11,568.00	7	\$13,496.00	\$0.00	13.00	\$25,064.00
8	6" GATE VALVE & BOX	5.00	EA	\$1,512.00	\$7,560.00	2.00	\$3,024.00		\$0.00	\$0.00	2.00	\$3,024.00
9	3" GATE VALVE & BOX	2.00	EA	\$1,290.00	\$2,580.00		\$0.00		\$0.00	\$0.00	-	\$0.00
10	WATER MONITORING ASSEMBLY	1.00	LS	\$2,067.00	\$2,067.00		\$0.00	1.00	\$2,067.00	\$0.00	1.00	\$2,067.00
11	HYDRANT & LEAD	2.00	EA	\$6,250.00	\$12,500.00	1.00	\$6,250.00	1.00	\$6,250.00	\$0.00	2.00	\$12,500.00
12	SALVAGE HYDRANT	1.00	EA	\$2,600.00	\$2,600.00		\$0.00	1.00	\$2,600.00	\$0.00	1.00	\$2,600.00
13	REMOVE GATE VALVE & BOX	6.00	EA	\$1,656.00	\$9,936.00	2.00	\$3,312.00	2.00	\$3,312.00	\$0.00	4.00	\$6,624.00
14	ABANDON GATE VALVE	12.00	EA	\$563.00	\$6,756.00		\$0.00	13.00	\$7,319.00	\$0.00	13.00	\$7,319.00
15	8-INCH PVC SANITARY SEWER SDR-35, 1-1/4" TB BACKFILL	52.00	LF	\$328.00	\$17,056.00	52.00	\$17,056.00		\$0.00	\$0.00	52.00	\$17,056.00
16	8-INCH PVC SANITARY SEWER SDR-35, SPOIL BACKFILL	37.00	LF	\$264.00	\$9,768.00	37.00	\$9,768.00		\$0.00	\$0.00	37.00	\$9,768.00
17	8-INCH PVC SANITARY SEWER C900 JACK AND BORE	94.00	LF	\$997.00	\$93,718.00	94.00	\$93,718.00		\$0.00	\$0.00	94.00	\$93,718.00
18	12-INCH PVC SANITARY SEWER SDR-35, 1-1/4" TB BACKFILL	24.00	LF	\$452.00	\$10,848.00	24.00	\$10,848.00	3.50	\$1,582.00	\$0.00	27.50	\$12,430.00
19	27-INCH RCP SANITARY SEWER CL-IV, 1-1/4" TB BACKFILL	36.00	LF	\$719.00	\$25,884.00	35.00	\$25,165.00	2.50	\$1,797.50	\$0.00	37.50	\$26,962.50
20	27-INCH RCP SANITARY SEWER CL-IV, SPOIL BACKFILL	59.00	LF	\$482.00	\$28,438.00	50.00	\$24,100.00	9.00	\$4,338.00	\$0.00	59.00	\$28,438.00
21	SANITARY SEWER MANHOLE 48" I.D.	25.00	VF	\$753.00	\$18,825.00	20.00	\$15,060.00	5.00	\$3,765.00	\$0.00	25.00	\$18,825.00
22	SANITARY SEWER MANHOLE 60" I.D.	55.00	VF	\$905.00	\$49,775.00	50.00	\$45,250.00	5.00	\$4,525.00	\$0.00	55.00	\$49,775.00
23	ABANDON 8-INCH SANITARY SEWER	133.00	LF	\$26.00	\$3,458.00		\$0.00	149.00	\$3,874.00	\$0.00	149.00	\$3,874.00
24	REMOVE 8-INCH SANITARY SEWER	35.00	LF	\$247.00	\$8,645.00		\$0.00	23.00	\$5,681.00	\$0.00	23.00	\$5,681.00
25	REMOVE 12-INCH SANITARY SEWER	26.00	LF	\$200.00	\$5,200.00	26.00	\$5,200.00	1.50	\$300.00	\$0.00	27.50	\$5,500.00
26	REMOVE 27-INCH SANITARY SEWER	97.00	LF	\$110.00	\$10,670.00	90.00	\$9,900.00	6.50	\$715.00	\$0.00	96.50	\$10,615.00
27	REMOVE SANITARY MANHOLE	2.00	EA	\$8,956.00	\$17,912.00	2.00	\$17,912.00		\$0.00	\$0.00	2.00	\$17,912.00
28	CONNECT TO EXISTING SANITARY SEWER	4.00	EA	\$344.00	\$1,376.00	4.00	\$1,376.00		\$0.00	\$0.00	4.00	\$1,376.00
29	CONCRETE PAVEMENT REMOVAL	1168.00	SY	\$5.00	\$5,840.00	204.00	\$1,020.00	896.00	\$4,480.00	68.00	\$340.00	\$5,840.00
30	CONCRETE CURB AND GUTTER REMOVAL	312.00	LF	\$9.00	\$2,808.00	20.00	\$180.00	268.00	\$2,574.00	\$0.00	306.00	\$2,754.00
31	CONCRETE SIDEWALK REMOVAL	134.00	SF	\$4.00	\$536.00	15.00	\$60.00	119.00	\$476.00	\$0.00	134.00	\$536.00
32	SAWCUTTING EXISTING PAVEMENT FULL DEPTH	4251.00	LF	\$2.00	\$8,502.00	2,041.00	\$4,082.00	2,041.00	\$4,082.00	\$0.00	4,082.00	\$8,164.00
33	3" 12" 4" 12" CONCRETE CURB AND GUTTER	258.00	LF	\$80.00	\$20,640.00		\$0.00		\$0.00	\$0.00		\$0.00
34	INTEGRAL CONCRETE CURB AND GUTTER	54.00	LF	\$56.00	\$3,024.00		\$0.00		\$0.00	\$0.00		\$0.00
35	CONCRETE SIDEWALK 5-INCH	134.00	SF	\$20.00	\$2,680.00		\$0.00		\$0.00	\$0.00		\$0.00
36	CONCRETE PAVEMENT 7-INCH	1168.00	SY	\$96.00	\$112,128.00		\$0.00		\$0.00	\$0.00		\$0.00
37	RESTORATION OF LAWNS AND PARKWAYS	1.00	LS	\$6,225.00	\$6,225.00		\$0.00	1.00	\$6,225.00	\$0.00	1.00	\$6,225.00
38	EROSION CONTROL	1.00	LS	\$2,255.00	\$2,255.00	0.50	\$1,127.50		\$0.00	0.50	\$1,127.50	\$2,255.00
39	TRAFFIC CONTROL	1.00	LS	\$3,675.00	\$3,675.00	0.50	\$1,837.50		\$0.00	0.50	\$1,837.50	\$3,675.00
40	TRENCH EBS (UNDISTRIBUTED)	80.00	CY	\$34.00	\$2,720.00		\$0.00		\$0.00	\$0.00	-	\$0.00
41	DENSE GRADED BASE (3") (UNDISTRIBUTED)	160.00	TON	\$26.00	\$4,160.00		\$0.00		\$0.00	\$0.00	-	\$0.00
C-1	Change Sanitary pipe to "Unlined"	1.00	LS	-\$6,200.00	-\$6,200.00	1.00	-\$6,200.00		\$0.00	\$0.00	1.00	-\$6,200.00
E-1	Repair leaking Hydrant Lead	1.00	LS	\$1,353.65	\$1,353.65		\$0.00		\$0.00	1.00	\$1,353.65	\$1,353.65
E-2	Repair Water Main Break	1.00	LS	\$4,590.64	\$4,590.64		\$0.00		\$0.00	1.00	\$4,590.64	\$4,590.64
C-2	Remove Items 33-36	1.00	LS	-\$138,472.00	-\$138,472.00	1.00	-\$138,472.00		\$0.00	\$0.00	1.00	-\$138,472.00
<b>TOTAL ITEMS 1-11 (inclusive)</b>					<b>\$955,360.00</b>		<b>\$461,911.00</b>		<b>\$305,778.50</b>		<b>\$9,249.29</b>	<b>\$778,938.79</b>

Sub-Total Completed To Date	\$778,938.79
Less Allowance for testing and approval	0% \$0.00
Less Retainage (5% to 50% complete)	5% -\$23,884.00
<b>Total</b>	\$743,805.50
Less Previous Payments	\$9,249.29
<b>TOTAL PAYMENT DUE THIS PERIOD</b>	<b>\$9,249.29</b>

Recommended for Commission Approval by:  Date: 8-26-19

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

**PROJECT NO. 19102 - East Fitzsimmons Road Water Main Extension**

Item No.	Item Description	Bid Quantity	Unit Price	Total Price	Partial Payment No. 1 August 13, 2019		Partial Payment No. 2 September 10, 2019		PROJECT TOTAL	
					Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	12-INCH PVC WATER MAIN 1-1/4" TBBF	534	\$220.00	\$138,480.00	600.00	\$132,000.00	30.00	\$6,600.00	630.00	\$138,600.00
2	CONNECT TO EXISTING 12" WATER MAIN	2	\$10,000.00	\$20,000.00	1.00	\$10,000.00	1.00	\$10,000.00	2.00	\$20,000.00
3	12" GATE VALVE & BOX	1	\$5,000.00	\$5,000.00	1.00	\$5,000.00		\$0.00	1.00	\$5,000.00
4	WATER SERVICE LATERAL RECONNECTION	16	\$4,000.00	\$64,000.00		\$0.00	16	\$64,000.00	16.00	\$64,000.00
5	HYDRANT, LEAD, & 6-INCH GATE VALVE	1	\$10,000.00	\$10,000.00	1.00	\$10,000.00		\$0.00	1.00	\$10,000.00
6	SALVAGE HYDRANT	1	\$2,500.00	\$2,500.00		\$0.00	1	\$2,500.00	1.00	\$2,500.00
7	REMOVE GATE VALVE & BOX	1	\$1,800.00	\$1,800.00		\$0.00	1	\$1,800.00	1.00	\$1,800.00
8	ABANDON GATE VALVE	1	\$500.00	\$500.00	1.00	\$500.00		\$0.00	1.00	\$500.00
9	CONCRETE PAVEMENT REMOVAL	545	\$8.50	\$4,632.50	320	\$2,720.00	233	\$1,976.25	552.50	\$4,696.25
10	ASPHALT PAVEMENT REMOVAL	24	\$20.00	\$480.00	14.00	\$280.00	13.00	\$260.00	27.00	\$540.00
11	CONCRETE CURB AND GUTTER REMOVAL	100	\$13.00	\$1,300.00		\$0.00	106.00	\$1,378.00	106.00	\$1,378.00
12	SAWCUTTING EXISTING PAVEMENT FULL DEPTH	1,890	\$2.00	\$3,780.00	1,770.00	\$3,540.00	703.00	\$1,406.00	2,473.00	\$4,946.00
13	31" TYPE 'C' CONCRETE CURB AND GUTTER	100	\$61.00	\$6,100.00		\$0.00	106.00	\$6,466.00	106.00	\$6,466.00
14	CONCRETE PAVEMENT 7-INCH	545	\$67.00	\$36,515.00		\$0.00	552.50	\$37,017.50	552.50	\$37,017.50
15	HMA PAVEMENT, TYPE 5LT, PG 58-28 S	3	\$600.00	\$1,800.00		\$0.00		\$0.00	-	\$0.00
16	HMA PAVEMENT, TYPE 3LT, PG 55-28 S	6	\$400.00	\$2,400.00		\$0.00		\$0.00	-	\$0.00
17	CONCRETE SIDEWALK REMOVAL	40	\$12.00	\$480.00		\$0.00		\$0.00	-	\$0.00
18	CONCRETE SIDEWALK 5-INCH	40	\$16.50	\$660.00		\$0.00		\$0.00	-	\$0.00
19	PAVEMENT MARKING EPOXY, 4-INCH WHITE CROSSWALK	104	\$24.00	\$2,496.00		\$0.00		\$0.00	-	\$0.00
20	PAVEMENT MARKING EPOXY, 12-INCH WHITE STOP BAR	20	\$42.00	\$840.00		\$0.00		\$0.00	-	\$0.00
21	RESTORATION OF LAWNS AND PARKWAYS	1	\$6,000.00	\$6,000.00		\$0.00		\$0.00	-	\$0.00
22	EROSION CONTROL	1	\$2,500.00	\$2,500.00	0.50	\$1,250.00		\$0.00	0.50	\$1,250.00
23	TRAFFIC CONTROL	1	\$6,000.00	\$6,000.00	0.50	\$3,000.00		\$0.00	0.50	\$3,000.00
<b>TOTAL ITEMS 1-23 (inclusive)</b>				<b>\$318,863.50</b>	<b>\$168,290.00</b>	<b>\$133,403.75</b>	<b>\$301,693.75</b>	<b>\$301,693.75</b>	<b>\$301,693.75</b>	

Sub-Total Completed To Date: \$301,693.75  
 Less Allowance for testing and approval: \$0.00  
 Less Retainage (5% to 50% complete): -\$7,971.59  
 Total: \$293,722.16  
 Less Previous Payments: \$143,887.95  
**TOTAL PAYMENT DUE THIS PERIOD: \$149,834.21**

Recommended for Commission Approval by: *[Signature]* Date: 8-22-19



## ADMINISTRATIVE OPERATIONS

August 2019

### Training:

Accounting Supervisor Stenzel attended the Wisconsin Section of American Water Works Association Management Seminar held in Milwaukee on August 7.

Utility Clerk Butler attended the Cities and Villages Mutual Insurance Company's Customer Service Seminar held in Wauwatosa on August 8.

### Workload:

Other administrative tasks included the following:

- Added 2 customer account for the month.
- Billed 3,311 water customers and 3,425 sewer customers.

### Gallons Billed (in thousands):

	YTD 2019	YTD 2018	YTD 2017	YTD 2016	YTD 2015	Average
Residential	243,270	251,538	249,212	257,197	254,103	251,064
Commercial	295,099	292,217	307,383	294,051	288,149	295,380
Industrial	346,504	338,113	285,208	270,723	255,890	299,288
Public Authority	8,912	9,067	9,332	10,133	15,179	10,525
Wholesale	736,756	727,633	714,921	795,630	830,720	761,132
<b>Total</b>	<b>1,630,541</b>	<b>1,618,568</b>	<b>1,566,056</b>	<b>1,627,734</b>	<b>1,644,041</b>	<b>1,617,389</b>
% Change to Prior Year	0.7%	3.4%	-3.8%	-1.0%	N/A	
% Change to Average	0.8%	0.1%	-3.2%	0.6%	1.6%	

### New Customers:

	YTD 2019	YTD 2018	YTD 2017	YTD 2016	YTD 2015	Average
Residential	13	23	17	18	15	17.2
Commercial	9	15	22	17	7	14.0
Industrial	0	0	0	0	1	0.2
Public Authority	0	1	0	1	1	0.6
Wholesale	0	0	0	0	0	-
<b>Total</b>	<b>22</b>	<b>39</b>	<b>39</b>	<b>36</b>	<b>24</b>	<b>32.0</b>

**New Residential Customers (YTD 2019):**

9001 S. 15<sup>th</sup> Avenue, 8840 S. 6<sup>th</sup> Avenue, 8850 S. 6<sup>th</sup> Avenue, 1800 E. Lilac Lane, 8426 S. Nighthawk Trail, 3972 E. Cooper Court, 10032 S. Macintosh Lane, 10015 S. Shepard Avenue, 10385 S. Redwood Lane, 10731 S. Nicholson Road, 10731 S. Nicholson Road (lawn), 1415 E. Golden Lane, 9307 S. Arbor Creek Drive

**New Commercial Customers (YTD 2019):**

Verizon Wireless, EVCAP Oak Creek LLC, Dr. Hartman/Dr. Tolzman, 120 W. Town Square Way (Ste 200), 120 W. Town Square Way (Ste 300), Oakview Industrial Property, The Waters of Oak Creek, HSI Drexel Ridge, I-Kenosha, LLC

# **ENGINEERING OPERATIONS**

August 2019

## **E. Fitzsimmons Water Relay**

DF Tomasini completed the work on the E. Fitzsimmons water main relay project. The road restoration is remaining on the project.

## **Jewell Street Sanitary Sewer**

We met with raSmith to discuss the design of the gravity sewer. They are finishing up the plans and look to bid this project out this fall. We will need to work with the property owners on the easement acquisition.

## **Howell Avenue, Ridgeview, and Quail Run Water Loops**

The plans and specifications are being finalized for the 3 projects. We are will need to complete the special assessment process for the Ridgeview project. We are also working on the easement acquisition for the Quail Run project. The Howell Project is in the right of way so no additional easements needed. These projects will be bid out along with College Avenue.

## **Development Project with Utility Construction**

The following development projects which involve utility construction are actively underway.

Ryan Business Park (13<sup>th</sup> Street and Ryan Road) hydrants relocated along 13<sup>th</sup> Street, Sanitary Sewer work to remove the siphon has not started yet, Bartel Court water main construction completed

East Brooke Phase 2

Orchard Hills

Creekside Marketplace

Rawson Business Center

HSA 6<sup>th</sup> and Rawson

## **DISTRIBUTION & COLLECTION OPERATIONS**

**August 2019**

### **Water Main Breaks:**

In the month of August, there were no main breaks.

### **Water Lateral Repairs:**

In the month of August, there were no laterals repaired.

### **Valve Repaired:**

On August 5<sup>th</sup> a crew was sent to repair an 8" gate valve at 2699 West Gray's Lane that started leaking after being operated. When the crew excavated the valve, they found the packing bolts needed replacing.

### **Fire Hydrant Maintenance:**

On August 20<sup>th</sup> a crew was sent to relocate a fire hydrant at 8500 South 5<sup>th</sup> Avenue. The hydrant lead under the road was leaking, so the hydrant was moved from the west side of the road to the east side to eliminate digging up the road.

Summer workers painted 93 hydrants in subdivisions.

### **Sanitary Sewer Maintenance:**

In the month of August, Utility workers completed 4 maintenance tasks including: lowering a manhole frame, repairing manhole chimneys, installing chimney seals and repairing manhole cover seals, along with cleaning and televising of mains.

### **Miscellaneous:**

On August 5<sup>th</sup> the outside of Sycamore Tower was cleaned.

On August 10<sup>th</sup> Distribution Manger Schwartz had a tour of the MMSD South Shore Treatment plant.

On August 29<sup>th</sup> Corpro did the annual inspection of the cathodic protection at Howell and Sycamore towers.

In the month of August, Utility workers completed 4 restoration projects from previous water main repairs.



## PLANT OPERATIONS

August, 2019

<b>PUMPAGE REPORT</b>	<b>2019</b>	<b>2018</b>	<b>% Change</b>	<b>5 Year %</b>
Monthly Pumpage	292,822,600	279,527,000	+4.8	+4.8
Monthly Average Day	9,445,890	9,017,000	+4.8	+4.8
Monthly Peak Day	(08/01)11,270,000	(08/19)10,880,000	+3.6	+2.0
Yearly Pumpage	1,903,261,100	1,868,436,000	+1.9	+2.7
Yearly Average Day	7,832,350	7,689,000	+1.9	+2.8
Yearly Peak Day	(07/17)12,280,000	(07/11)12,110,000	+1.4	+3.8
West Zone Pumpage	121,860,000	121,640,000	+0.2	-5.9
West Zone Yearly Total	837,078,000	841,420,000	-0.5	-4.4

<b>WATER QUALITY REPORT</b>	<b>Raw Water</b>	<b>Finished Water</b>
Average Free Chlorine		1.55 mg/l
Total Chlorine		1.72 mg/l
Average Alkalinity	108.0 mg/l	108.4 mg/l
Average pH	8.48	8.3
Average Fluoride	0.15 mg/l	0.68 mg/l
Average Turbidity	3.43 NTU	0.032 NTU
High Temperature	<b>High 70.7 F Low 51.6 F</b>	
Hardness	137 mg/l	137 mg/l

**Preventative Maintenance Tasks:** Staff completed 165 preventative maintenance tasks and 2 safety sessions during the month.

**Work Orders:** Staff completed 12 work orders. Some of the tasks include repairing a booster pump leak, installing a conductivity meter, replacing emergency lights, and installing a new fountain pump.

**Plant:** Operator Roper has passed both the Surface Water and Distribution tests and has taken over as the third shift operator. Steven Edlebeck has been hired as a new operator and his training is ongoing. Operators Krueger, White, Roper and Muschinski completed forklift training and licensing on August 15<sup>th</sup>.

