

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, April 9, 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 6th Street, Oak Creek, Wisconsin, 53154.

DATED, at Oak Creek, Wisconsin, this the 4th day of March, 2019.

/s/ Michael J. Sullivan
General Manager

A G E N D A
WATER AND SEWER UTILITY COMMISSIONERS
CITY OF OAK CREEK

TIME
9:00 am

DATE
Tuesday
April 9, 2019

LOCATION
Headquarters Building
170 West Drexel Avenue

1.0 OPENING OF MEETING

- 1.1 Roll Call
- 1.2 Minutes Approval - Regular Meeting 03-12-19

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

3.0 PROJECT APPROVALS

- 3.1 Ryan Business Park Water Extension Approval

4.0 MISCELLANEOUS MATTERS

- 4.1 Driveway Sealing Plant and Headquarters
- 4.2 Award Wildwood Drive Water and Sewer Replacement
- 4.3 Retirement of Standby Engine for 6 mgd Discharge Pump at the Treatment Plant

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



OAKCREEK
— WISCONSIN —

ENGINEERING
DEPARTMENT

April 2, 2019

Brian L Johnston, P.E., Utility Engineer
Oak Creek Water & Sewer Utility
170 W. Drexel Avenue
Oak Creek, WI 53154

Re: Utility Commission Approval Request for April 2019
City of Oak Creek Project No. 19052

Dear Mr. Johnston:

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

New public water main will be installed along S. Bartel Court as part of the Ryan Business Park project. This will add new public water main connections to serve future development.

Project No. 19052 Ryan Business Park (TIF Funded)

Water Main
850 LF of 12" C-900 PVC water main
4 EA 12" Valve
2 EA Hydrant and valves
Appurtenances
Connection to existing water main
Estimated project cost \$206,000.00

If you have any questions, please call me at (414) 766-7029. Thank you for your prompt attention to this matter.

Sincerely,

Matthew J. Sullivan, P.E.
Assistant City Engineer

Wildwood Water and Sanitary Contract Award

Project Nos.: 19101

Date: April 9, 2019

RECOMMENDATION: That the Commission consider a motion to approve the Wildwood Drive water and sanitary project and award a construction contract to the lowest responsive, responsible bidder, Willkomm Excavating and Grading, based on the bid amount of \$955,360.00 and amend the capital budget by \$125,000 for water and \$190,000 for sewer.

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

Contractor	Bid Amount
Willkomm Excavating and Grading	\$955,360.00
Mid-City Plumbing	\$1,519,228.00

The total capital budget for construction on this project is \$700,000.

This project will relay the 1,799 LF of 8" PVC watermain along S. Wildwood Drive from W. Drexel Avenue to 300 feet south of W. White Oak Drive. It also includes 125 LF of 8" Cured in Place Pipe (CIPP) lining under the North Branch of Oak Creek. The existing ductile iron water main was installed in 1966 and has had several breaks. There have been 11 breaks on this water main, one break in the last 10 years, 3 breaks in 10-25 years and 7 breaks in over 25 years. This section of main exceeds the Partnership for Safe Water water main break goal. The City is repaving this section of road way with LRIP funding this year. The water portion of the CIP budget minus 15% for administration, engineering, and inspections is \$465,000 for the project. The engineering estimate for the water project was \$513,716 with the project bid at \$635,060. The concrete pavement and curb replacements are 20% of the bid at \$126,768. The City has agreed to replace the concrete with their road project and the Utility reimburse for the concrete removals. This will save the Utility \$48,717 on the project. This brings the anticipated construction cost to \$586,342.

The project will also relay 183 LF of 8" sanitary sewer, 24 LF of 12" sanitary sewer and 95 LF of 27" sanitary sewer. This project will remove two 100% sags in the 8" and 27" sanitary sewers and a deteriorating manhole structure. This work will relay the sanitary easterly from the bridge at the North Branch of the Oak Creek. The sanitary will be replaced prior to the City pavement project. The sanitary portion of the CIP budget minus administration, engineering, and inspections was \$143,000 with the engineering estimate at \$229,995. The project bid came in at \$331,495. The City's assistance with the concrete work will save \$5,000 on the project. Where the sanitary portion is significantly over budget, it is recommended to complete this work. Due to the complexity of the project, which was not anticipated in the budget and competitive bidding climate, re-bidding is not expected to yield lower bid prices. In addition, these two sewers serve almost 1,000 acres of land.

OAK CREEK WATER AND SEWER UTILITY PROGRESS PAYMENT REPORT

PROJECT NO. 18105-East Forest Hill Water Main Extension

Item No.	Item Description	Bid Quantity	Globe Contractors, Inc. N50W23076Belker Rd, Pewaukee, WI 53072		Partial Payment No. 1 April 9, 2019		PROJECT TOTAL	
			Unit Price	Total Price	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	8" PVC Water Main, 1 1/4-Inch Crushed Aggregate Backfill	110	LF \$500.00	\$55,000.00	60.00	\$30,000.00	60.00	\$30,000.00
2	8" Certalok Water Main (Horizontal Directional Drill)	1,505	LF \$152.00	\$228,760.00	1,213.00	\$184,376.00	1,213.00	\$184,376.00
3	8" PVC Water Main in Casing (Not Including Steel Casing)	140	LF \$240.00	\$33,600.00	140.00	\$33,600.00	140.00	\$33,600.00
4	18" Steel Casing for 8" PVC Water Main, No Open Cut (Not Including 8" Gate Valve)	140	LF \$480.00	\$67,200.00	140	\$67,200.00	140.00	\$67,200.00
5	8" Gate Valve	5	EA \$2,200.00	\$11,000.00	3.00	\$6,600.00	3.00	\$6,600.00
6	Connect to Existing 8-Inch Main and Install Salvaged Hydrant	1	EA \$6,200.00	\$6,200.00	1	\$6,200.00	1.00	\$6,200.00
7	Connect to Existing 24-Inch Main	1	EA \$8,000.00	\$8,000.00		\$0.00	-	\$0.00
8	Type "A" Hydrant Assembly	2	EA \$18,000.00	\$36,000.00		\$0.00	-	\$0.00
9	Restoration	1	LS \$53,000.00	\$53,000.00		\$0.00	-	\$0.00
10	Erosion Control	1	LS \$10,000.00	\$10,000.00	0.50	\$5,000.00	0.50	\$5,000.00
11	Traffic Control	1	LS \$25,000.00	\$25,000.00	0.50	\$12,500.00	0.50	\$12,500.00
TOTAL ITEMS 1-11 (inclusive)				\$533,760.00		\$345,476.00		\$345,476.00

Sub-Total Completed To Date \$345,476.00

Less Allowance for testing and approval 10% -\$34,547.60

Less Retainage (5% to 50% complete) 5% -\$13,344.00

Total \$297,584.40

Less Previous Payments \$0.00

TOTAL PAYMENT DUE THIS PERIOD \$297,584.40

Recommended for Commission Approval by: *B. John* Date: 4-1-19

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

PROJECT NO. 18108-1-94 Crossing at Puetz Road Water Main Replacement

Item No.	Item Description	Bid Quantity	Unit Price	Total Price	Partial Payment No. 1 November 13, 2018		Partial Payment No. 2 January 8, 2019		Partial Payment No. 3 April 9, 2019		PROJECT TOTAL	
					Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	16" DI Water Main, Spoil Backfill	217	\$350.00	\$75,950.00		\$0.00	219.00	\$76,650.00		\$0.00	219.00	\$76,650.00
2	16" DI Water Main, inside 30" Steel Casing	200	\$890.00	\$178,000.00	50.00	\$44,500.00	150.00	\$133,500.00		\$0.00	200.00	\$178,000.00
3	24" DI Water Main, Spoil Backfill	85	\$325.00	\$27,625.00		\$0.00		\$0.00	116.00	\$37,700.00	116.00	\$37,700.00
4	24" DI Water Main, inside 42" Steel Casing	277	\$1,040.00	\$288,080.00		\$0.00		\$0.00	277	\$288,080.00	277.00	\$288,080.00
5	Connect to Existing 16" Water Main	1	\$15,000.00	\$15,000.00		\$0.00	1.00	\$15,000.00		\$0.00	1.00	\$15,000.00
6	Connect to Existing 24" Water Main	3	\$17,000.00	\$51,000.00		\$0.00	1	\$17,000.00	2	\$34,000.00	3.00	\$51,000.00
7	24" Butterfly Valve & Valve Box	1	\$10,000.00	\$10,000.00		\$0.00		\$0.00	1	\$10,000.00	1.00	\$10,000.00
8	1-1/4" Water Lateral, corporation, tap, and curb stop	1	\$10,000.00	\$10,000.00	1.00	\$10,000.00		\$0.00		\$0.00	1.00	\$10,000.00
9	Hydrant Assembly	1	\$10,000.00	\$10,000.00		\$0.00	1	\$10,000.00		\$0.00	1.00	\$10,000.00
10	Silt Fence	790	\$7.00	\$5,530.00	374.00	\$2,618.00		\$0.00		\$0.00	374.00	\$2,618.00
11	Site Restoration - Topsoil, Seed, Mulch & Fertilize	1	\$55,000.00	\$55,000.00		\$0.00	0.50	\$27,500.00		\$0.00	0.50	\$27,500.00
12	Site Clearing	1	\$24,000.00	\$24,000.00		\$0.00	0.5	\$12,000.00	0.5	\$12,000.00	1.00	\$24,000.00
13	Removal and Restoration of DOT Chain Link Fence	1	\$24,000.00	\$24,000.00		\$0.00	0.5	\$12,000.00		\$0.00	0.50	\$12,000.00
14	Erosion Control	1	\$7,000.00	\$7,000.00		\$0.00	1	\$3,500.00		\$0.00	0.50	\$3,500.00
15	Tracking Pad	4	\$7,000.00	\$28,000.00		\$0.00		\$0.00	1.00	\$7,000.00	3.00	\$21,000.00
16	Traffic Control (Project)	1	\$40,000.00	\$40,000.00		\$0.00	0.25	\$10,000.00	0.25	\$10,000.00	0.75	\$30,000.00
17	Anode Bed Modification	1	\$40,480.00	\$40,480.00		\$0.00		\$0.00		\$0.00	-	\$0.00
TOTAL ITEMS 1-27 (inclusive)				\$889,665.00	\$105,118.00	\$293,150.00	\$398,780.00	\$797,048.00				

Sub-Total Completed To Date \$797,048.00
 Less Allowance for testing and approval 5% -\$39,852.40
 Less Retainage (6% to 50% complete) 5% -\$22,241.63
 Total \$734,953.98
 Less Previous Payments \$358,441.20
TOTAL PAYMENT DUE THIS PERIOD \$376,512.78

Recommended for Commission Approval by: B. J. G. G. Date: 4-1-19

APPLICATION AND CERTIFICATION FOR PAYMENT AIA DOCUMENT G702

TO (OWNER): City of Oak Creek
7300 S. 13th Street
Oak Creek, WI 53154

PROJECT: City of Oak Creek Water Treatment
Plant Locker Rooms

APPLICATION NO: 3
DISTRIBUTION TO:
 OWNER
 ARCHITECT
 CONTRACTOR

FROM (CONTRACTOR):
William Sackerson Constr. Co., Inc.
PO Box 100318
Cudahy, WI 53110

PERIOD TO: 3/25/2019
ARCHITECT'S
PROJECT NO: 460402

CONTRACT FOR: General Construction

CONTRACT DATE: 10/1/18

CONTRACTOR'S APPLICATION FOR PAYMENT

CHANGE ORDER SUMMARY		ADDITIONS	DEDUCTIONS
Change Order approved in previous months by owner			
TOTAL			
Approval this Month			
Number	Date Approved		
1	2/28/19	4,576.55	
TOTALS		4,576.55	
Net change by change Orders		4,576.55	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

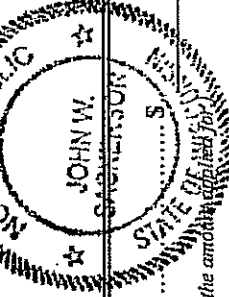
CONTRACTOR: William Sackerson Constr. Co., Inc.

By: *[Signature]* Date: 3/25/2019

Application is made for Payment, as shown below, in connection with the Contract. Continuation Sheet, AIA Document G703, is attached.

- 1. ORIGINAL CONTRACT SUM \$ 223,500.00
- 2. Net change by Change Orders \$ 4,576.55
- 3. CONTRACT SUM TO DATE (Line 1 ± 2) \$ 228,076.55
- 4. TOTAL COMPLETED & STORED TO DATE \$ 117,410.07
(Column G on G703)
- 5. RETAINAGE:
 - a. 10 % of Completed Work \$ 11,741.00
(Column D + E on G703)
 - b. _____ % of Stored Material \$ _____
(Column F on G703)
 Total Retainage (Line 5a + 5b or Total in Column I of G703) \$ 11,741.00
- 6. TOTAL EARNED LESS RETAINAGE \$ 105,669.07
(Line 4 less Line 5 Total)
- 7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate) \$ 45,621.00
- 8. CURRENT PAYMENT DUE \$ 60,048.07
- 9. BALANCE TO FINISH, PLUS RETAINAGE \$ 122,407.48
(Line 3 less Line 6)

State of: Wisconsin
Subscribed and sworn to before me this 25 day of MARCH, 2019.



Notary Public: *[Signature]*
My Commission expires: 11/12/22

AMOUNT CERTIFIED \$60,048.07

(Attach explanation if amount certified differs from the amount certified for ARCHITECT.)
By: *Richard Siebers* Date: March 25, 2019

ARCHITECT'S CERTIFICATION FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's signed Certification is attached.

Application Number: 3
 Application Date: 3/20/2019
 Period To: 3/20/2019
 Architect's Project No:

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		E THIS PERIOD	F MATERIALS STORED (Not in D or E)	G TOTAL COMPLETED AND STORED TO DATE (D+E+F)	H BALANCE TO FINISH (C-G)	I RETAINAGE
			FROM PREV. APPLICATION (D+E)						
1	Bond	3,000.00	3,000.00	0.00	0.00	0.00	3,000.00	0.00	0.00
2	Submittals	4,000.00	2,800.00	1,000.00	0.00	0.00	3,800.00	200.00	0.00
3	Mobilization	6,000.00	6,000.00	0.00	0.00	0.00	6,000.00	0.00	0.00
4	Demolition	20,000.00	15,000.00	0.00	0.00	0.00	15,000.00	5,000.00	0.00
5	Masonry	45,000.00	0.00	40,500.00	0.00	0.00	40,500.00	4,500.00	0.00
6	Carpentry	5,000.00	0.00	750.00	0.00	0.00	750.00	4,250.00	0.00
7	Frames, Doors & Hardware	7,000.00	7,000.00	0.00	0.00	0.00	7,000.00	0.00	0.00
8	Drywall	2,800.00	0.00	0.00	0.00	0.00	0.00	2,800.00	0.00
9	Tile	16,000.00	0.00	0.00	0.00	0.00	0.00	16,000.00	0.00
10	Acoustical	4,100.00	0.00	0.00	0.00	0.00	0.00	4,100.00	0.00
11	Paint	8,600.00	0.00	0.00	0.00	0.00	0.00	8,600.00	0.00
12	Toilet Partitions	5,000.00	0.00	0.00	0.00	0.00	0.00	5,000.00	0.00
13	Toilet Accessories	2,700.00	0.00	0.00	0.00	0.00	0.00	2,700.00	0.00
14	Lockers	10,500.00	0.00	0.00	0.00	0.00	0.00	10,500.00	0.00
15	Window Shades	900.00	0.00	0.00	0.00	0.00	0.00	900.00	0.00
16	Plumbing	40,000.00	8,000.00	12,000.00	0.00	0.00	20,000.00	20,000.00	0.00
17	HVAC	23,000.00	6,900.00	4,600.00	0.00	0.00	11,500.00	11,500.00	0.00
18	Electrical	19,900.00	1,990.00	3,980.00	0.00	0.00	5,970.00	13,930.00	0.00
101	CO #1	4,576.55	0.00	3,890.07	0.00	0.00	3,890.07	686.48	0.00
Totals		228,076.55	50,690.00	66,720.07	0.00	0.00	117,410.07	110,666.48	0.00

OAK CREEK WATER & SEWER UTILITY
 Approved by B. J. [Signature]
 Date 3-25-19

ADMINISTRATIVE OPERATIONS

March 2019

Year End:

Accounting Supervisor Stenzel finished closing out the accounting records for the year 2018 and prepared several year-end workpapers to help facilitate the audit. The audit was performed by three accounting professionals from Baker Tilly on March 21 and 22. It went very well, and they thanked Commissioner Siepert for stopping in to interview with them this year. The Utility had no audit journal entries and no material weaknesses in internal controls for the year.

Public Service Commission Annual Report:

The Public Service Commission (PSC) 2018 Annual Report was completed and filed on March 28 by Accounting Supervisor Stenzel. This report is an annual requirement by the PSC, which includes financial and statistical information from the Utility.

Meetings:

Accounting Supervisor Stenzel attended Wisconsin Section of the American Water Works Association Management Committee meetings on March 8 and 26 to help plan their August seminar.

Training:

Senior Accountant Leranth and Utility Clerk Butler participated in the First Aid and CPR recertification trainings at Fire Station 3 on March 5 and 6.

Accounting Supervisor Stenzel attended a Baker Tilly webinar on new accounting standards for leases (GASB 87) on March 13.

Workload:

Other administrative tasks included the following:

- Added 1 customer account for the month.
- Billed 5,073 water customers and 5,141 sewer customers.

Gallons Billed (in thousands):

	YTD 2019	YTD 2018	YTD 2017	YTD 2016	YTD 2015	Average
Residential	97,621	100,423	98,267	97,561	98,629	98,500
Commercial	104,055	101,198	107,424	101,037	101,417	103,026
Industrial	113,770	118,238	95,901	86,959	95,768	102,127
Public Authority	2,859	3,009	2,964	4,260	5,218	3,662
Wholesale	253,112	240,675	238,274	271,691	285,759	257,902
Total	571,417	563,543	542,830	561,508	586,791	565,217
% Change to Prior Year	1.4%	3.8%	-3.3%	-4.3%	N/A	
% Change to Average	1.1%	-0.3%	-4.0%	-0.7%	3.8%	

New Customers:

	YTD 2019	YTD 2018	YTD 2017	YTD 2016	YTD 2015	Average
Residential	3	12	2	6	8	6.2
Commercial	7	6	6	5	1	5.0
Industrial	0	0	0	0	1	0.2
Public Authority	0	0	0	0	1	0.2
Wholesale	0	0	0	0	0	-
Total	10	18	8	11	11	11.6

New Residential Customers (YTD 2019):

9001 S. 15th Avenue, 8850 S. 6th Avenue, 1800 E. Lilac Lane

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

ENGINEERING OPERATIONS

March 2019

I-94 & Puetz Road Water Main Crossing

Globe Contractors has completed the 24" ductile iron water main crossing at I-94 on the south side of Puetz Road. Testing and flushing to be completed in April. The project is scheduled to be completed this Spring.

Wildwood Drive Water and Sewer Replacement Project

This project bid opening was March 29. The project will relay 1810 LF of 8" water main. It will place a structural lining in 335 LF of 8" water main under the creek. The project also will relay 90 LF of 8" PVC sanitary sewer, 25 LF of 12" PVC sanitary sewer and 100 LF of 27" RCP sanitary sewer. The creek crossing will be accomplished by jack and boring 95 LF of 8" PVC sanitary sewer. This project will be completed in advance of the City street project this summer.

College Avenue Water Main Replacement Project

The consultant is working on the final plans for the project. The Council approved the intent to Special Assess at the March 19 Council meeting. The work will be entirely directional drilled in College Avenue to avoid pavement restoration costs. The project is anticipated to be bid out in April with project completion in the fall.

Forest Hill Avenue Water Main Replacement Project

Construction continues on the E. Forest Hill Avenue project. This will connect two dead-end sections and install approximately 1800 LF of 8" PVC water main. The contractor has completed the directional drilling for the water main installation. Forest Hill Avenue is closed to through traffic during this project.

Fitzsimmons Road Water Main Replacement Project

Consultant is finalizing plans on this 700-foot project. The project is anticipated to be bid out in April. Construction is to be completed in the fall.

Treatment Plant Electrical Study

Staff met with the Consultants to review the electrical feasibility study.

Jewel Street Lift Station Elimination/Replacement

The Consultant is reevaluating the gravity sewer line and also looking at value engineering the lift station design.

Development Project with Utility Construction

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

HSI Orchard Hills (27th Street, north of Honadel Boulevard)

Amazon (13th Street and Ryan Road)

St. John's Properties (Howell Avenue and Rawson Avenue)

East Brooke Preserve Phase II (Nicholson Road, north of Ryan Road)

DISTRIBUTION & COLLECTION OPERATIONS

March 2019

Water Main Break:

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

Water Lateral Repairs:

On March 12th a crew was sent to 2507 West Hilltop Lane to repair a 1" copper lateral. After excavating the lateral, a small hole was found 16' from the curb stop on the street side.

Fire Hydrant Repairs:

On March 8th a crew was sent to 170 West Oak Leaf Drive to repair a hydrant that was hit by a city plow truck.

On March 21st a crew was sent to 2320 West Ryan Road to repair a hydrant that was hit by a county plow truck.

On March 21st a crew was sent to 351 West Puetz Road to repair a hydrant that was hit by a city plow truck.

On March 22nd a crew was sent to 1090 East Kelly Court to repair a hydrant that would not shut off. The main valve assembly needed to be replaced.

On March 25th a crew was sent to 7940 South Howell Avenue to repair a hydrant that was hit by a county plow truck.

On March 28th a crew was sent to 8208 South Park View Court to repair a hydrant that would leak when pressurized. The O-rings in the dome needed replacing.

Valve Repairs:

There were no valve repairs in the month of March.

Sewer Repairs:

In March Utility workers replaced manhole cover seals along with cleaning and televising of mains.

Miscellaneous:

On March 5, 6, 12 and 13 Utility workers Volbrecht, Price, Allard, Pier, Struebing, Maughan, Flatow and Proeber participated in First Aid and CPR recertification training at Fire Station 3.

On March 7th Utility Service Workers Flatow, Maughan and Distribution Manager Schwartz attended an IT & Security Seminar sponsored by the Wisconsin AWWA in Oshkosh.

On March 26th – 29th Distribution Manager Schwartz and Construction Coordinator Ricker attended the WRWA conference in La Crosse.

PLANT OPERATIONS

March, 2019

PUMPAGE REPORT	2019	2018	% Change	5 Year %
Monthly Pumpage	217,366,000	209,069,000	+3.9	+4.2
Monthly Average Day	7,011,806	6,744,000	+4.0	+4.2
Monthly Peak Day	(03/24) 8,980,000	(03/18) 9,490,000	-5.4	+10.7
Yearly Pumpage	621,188,000	604,890,000	+2.7	+1.7
Yearly Average Day	6,902,088	6,721,000	+2.7	+1.9
Yearly Peak Day	(03/24) 8,980,000	(03/18) 9,490,000	-5.4	+3.4
West Zone Pumpage	92,880,000	81,920,000	+13.4	-5.9

WATER QUALITY REPORT	Raw Water	Finished Water
Average Free Chlorine		1.62 mg/l
Total Chlorine		1.81 mg/l
Average Alkalinity	113.0 mg/l	113.7 mg/l
Average pH	8.3	8.1
Average Fluoride	0.16 mg/l	0.75 mg/l
Average Turbidity	2.77NTU	0.039 NTU
High Temperature	High 39.5 F Low 34.4 F	
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 8 work orders. Some of the tasks include updating to LED bulbs in all booster stations, replacing an exhaust duct on the lower Kathabar unit, replacing a fan motor on a hanging furnace, rebuilding a discharge valve and replacing the actuator on the boiler room vent.

Plant: Work continues on the locker room update including installing tile and painting. Operators Muschinski, Messerschmidt, Bozich, Ludke, Anaya, Krueger, Bochat and White completed first aid and CPR training.

