

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, November 14, 2017, 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 9th day of November, 2017.

/s/ Michael J. Sullivan
General Manager

Revised
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 November 14, 2017	Headquarters Building 170 West Drexel Avenue

1.0 OPENING OF MEETING

- 1.1 Roll Call
- 1.2 Minutes Approval - Regular Meeting 10-10-17

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. Waukesha Water Sales Agreement
 - C. Franklin Water Sales Agreement Extension

3.0 PROJECT APPROVALS

- 3.1 2017 Sanitary Sewer Rehabilitation Project
- 3.2 Fed Ex Development Water and Sewer

MISCELLANEOUS MATTERS

- 4.1 Amendment No. 1 to General Services Agreement with CDM Smith
- 4.2 Amendment No. 2 to General/Technical Services Agreement with Strand Inc.
- 4.3 2½" Meter Sewer Rate Approval
- 4.4 Connection Agreement with Wesley Schaefer at 3607 E. Fitzsimmons Road
- 4.5 Value Engineering Study
- 4.6 GFOA's Certificate of Achievement for Excellence in Financing Reporting

5.0 FINANCIAL MATTERS

- 4.1 Change Order #2-Well No's 1 and 3 Abandonment
- 4.2 Project Payment Approval
- 4.3 Voucher Approval
- 4.4 Utility Investments
- 4.5 2018 Operating Budget Approval

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



ENGINEERING
DEPARTMENT

October 3, 2017

Ronald J. Pritzlaff, P.E., Utility Engineer
Oak Creek Water & Sewer Utility
170 W. Drexel Avenue
Oak Creek, WI 53154

Re: Utility Commission Approval Requests for October 2017
City of Oak Creek Project Nos. 15023, 16051

Dear Mr. Pritzlaff:

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

Phase 3 of the IKEA Way water extension project to the north of W. Drexel Avenue and connecting the loop to S. 27th Street. This is proposed to serve the IKEA site. This will add new public water main.

Project No. 15023 Phase 3 of IKEA Way Expansion (TIF Funded) *Previously Approved*

Water main
284 LF of 12" Certa-Lok water main
2,443 LF of 12" PVC water main
5 EA 12" Valves
1 EA 16" Valves
5 EA Hydrants
Appurtenances
Estimated project cost \$330,000

The proposed Drexel Ridge project will add public water main and private interceptor sanitary sewer. This will serve Phase 2 of the apartment complex development located on the NW corner of Pennsylvania Avenue and Drexel Avenue.

Project No 16051 Drexel Ridge (Developer Funded) Water main *Previously Approved*

1,070 LF of 8" PVC water main
625 LF of 6" PVC water main
4 - Hydrants
14 - 8" Valves
Appurtenances
Estimated project cost \$176,500

8040 S. 6th Street
Oak Creek, WI 53154
Tel: (414) 766-7000
oakcreekwi.org

Private Interceptor Sanitary Sewer
713 LF of 8" PVC
4 - 48" Dia. Manholes Connection to Sanitary
Estimate project cost \$67,000

The Murphy CSM public sanitary sewer project will connect to the existing MIS connection manhole and extend the public sewer to serve the proposed new home construction.

Project No. 17058 Murphy CSM Public Sanitary Sewer (Developer Funded)

*Previously
Approved*

Public Sanitary Sewer
74 LF of 8" PVC
1 - 48" Dia. Manholes Connection to Sanitary
Estimate project cost \$36,000

The FedEx project will complete the planned water main loop for the Oakwood Crossing development and relay the public sanitary sewer to avoid the proposed building conflict. This work is under the existing development agreement for Oakwood Crossing Phase 2.

Project No. 17061 FedEx Public Sanitary Sewer and Water Main (Developer Funded)

Public Sanitary Sewer
314 LF of 15" PVC sanitary sewer
3 sanitary manholes
1 - 8" drop structure
Estimated project cost \$105,000

Public Water Main
985 LF of 12" PVC water main
3 EA 12" Gate valves
1 EA Hydrant
Appurtenances
Estimated project cost \$90,000

If you have any questions, please call me at (414) 766-7038. Thank you for your prompt attention to this matter.

Sincerely,



Brian L. Johnston, P.E.
Assistant City Engineer

Amendment #1 to the General Services Agreement with CDM Smith, Inc.

Date: November 14, 2017

RECOMMENDATION: That the Commission consider a motion to authorize the Utility Engineer to amend the existing professional services agreement with CDM Smith, Inc. for providing general engineering services related to the Water Quality Improvement Project in the not to exceed amount of \$75,000.00.

CDM smith has provided general engineering services with regard to the Water Quality improvement project in support of the Utility's application for construction authorization through the Public Service Commission of Wisconsin (PSC). In the latest construction authorization case, the PSC re-opened the record and requested additional information and analysis that will require the expertise of the engineers and cost estimators at CDM Smith.

Amendment #2 to the General Services Agreement with Strand Associates, Inc.

Date: November 14, 2017

RECOMMENDATION: That the Commission consider a motion to authorize the Utility Engineer to amend the existing professional services agreement with Strand Associates, Inc. for providing general water system consulting services in the not to exceed amount of \$50,000.00.

Strand Associates, Inc. has provided general services to the Utility in hydraulic modeling, rate case studies, cell phone carrier support, and other miscellaneous engineering consulting tasks. Their continued involvement with these tasks provides a good degree of continuity at reasonable billing rates.

ORDINANCE NO. 2597

AN ORDINANCE ESTABLISHING LOCAL SEWER RATES FOR THE CITY OF
OAK CREEK WATER AND SEWER UTILITY

The Mayor and Common Council of the City of Oak Creek do hereby ordain as follows
to be in effect October 15, 2010:

Local Charge for Sewer Service:

1. Metered customers:

<u>Meter Size</u>	<u>Quarterly Service Charge</u>	<u>Monthly Service Charge</u>
5/8"	\$18	\$6
3/4	18	6
1	24	8
1-1/4	24	8
1-1/2	33	11
2	42	14
3	69	23
4	105	35
6	195	65
8	303	101
10	447	149
12	591	197

Plus a volumetric charge of \$0.69 per 1,000 gallons of water usage.

2. Nonmetered customers:

The charge for nonmetered customers will be based on the above rates and applied to the Equivalent Residential Unit (flow/capita/day) and Residential Occupancy Factors established by the Milwaukee Metropolitan Sewerage District annually.

Milwaukee Metropolitan Sewerage District (MMSD) Charges for Sewer Services:

1. Charges will be based on MMSD wholesale charges to the Utility and passed on to sewer customers in accordance with MMSD Rules and Regulations, Chapter 17.

Other:

1. All ordinances or parts of ordinances contravening the provisions of this ordinance are hereby repealed.

2. Modify Section 18.02(a) of the Municipal Code to include this ordinance.

Passed and adopted this 21st day of September, 2010.

Tom Michalsh
President, Common Council

Approved this 21st day of September, 2010.

Richard R. Bolender
Mayor

ATTEST:

Pamela S. Bauer
City Clerk

VOTE: Ayes 6 Noes 0

Professional Services Agreement with Strategic Value Solutions

Date: November 14, 2017

RECOMMENDATION: That the Commission consider a motion to authorize the Utility Engineer to enter into a professional services agreement with Strategic Value Solutions for providing value engineering services related to the Water Quality Improvement Project in the not to exceed amount of \$105,000.00.

In the latest construction authorization case, the PSC re-opened the record and requested the Utility perform value engineering on the proposed project. Value engineering is a process consisting of the systematic application of analytical, creative, and evaluation techniques in a multidisciplinary team setting where the focus is on achieving the required functions, performance, and quality while maximizing value. Strategic Value Solutions will use the SAVE International Value Methodology Standard in order to satisfy state and federal standards.



Government Finance Officers Association
203 North LaSalle Street, Suite 2700
Chicago, Illinois 60601-1210
312.977.9700 fax: 312.977.4806



October 27, 2017

Michael J. Sullivan
Utility Manager
Oak Creek Water and Sewer Utility
170 W. Drexel Avenue
Oak Creek, WI 53154

Dear Mr. Sullivan:

We are pleased to notify you that your comprehensive annual financial report (CAFR) for the fiscal year ended 2016 qualifies for GFOA's Certificate of Achievement for Excellence in Financial Reporting. The Certificate of Achievement is the highest form of recognition in governmental accounting and financial reporting, and its attainment represents a significant accomplishment by a government and its management.

When a Certificate of Achievement is awarded to a government, an Award of Financial Reporting Achievement (AFRA) is also presented to the individual(s) or department designated by the government as primarily responsible for its having earned the Certificate. This award has been sent to the submitter as designated on the application.

We hope that you will arrange for a formal presentation of the Certificate and Award of Financial Reporting Achievement, and that appropriate publicity will be given to this notable achievement. A sample news release is enclosed to assist with this effort.

We hope that your example will encourage other government officials in their efforts to achieve and maintain an appropriate standard of excellence in financial reporting.

Sincerely,

A handwritten signature in black ink that reads 'Todd Buikema'.

Todd Buikema
Acting Director, Technical Services Center

**CHANGE ORDER AUTHORIZATION
CHANGE ORDER NO. 2
PROJECT NO. 17104**

Well Nos. 1 and 3 Abandonment and Reservoir Demolition

INITIATED BY THE OAK CREEK WATER AND SEWER UTILITY
DATE INITIATED: November 3, 2017

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

ITEM NO.	ITEM DESCRIPTION	QUANTITY UNIT	UNIT PRICE	COST
C-1	Restoration by City	1 LS	\$2,000.00	\$2,000.00
	TOTAL CHANGE ORDER			\$2,000.00

E = Contract Extra, C = Contract Credit

This work, performed under the Well Nos. 1 and 3 Abandonment and Reservoir Demolition contract, is hereby agreed upon and has been performed as indicated under the contract for Project No. 17104, Change Order No. 1 for contract credits reducing the total net cost by \$2,000.00.


Veit & Company, Inc.

Oak Creek Water & Sewer Utility



Signature

Signature



Accepted by (print name)

Accepted by (print name)



Date Accepted

Date Accepted

OAK CREEK WATER AND SEWER UTILITY

FINAL PAYMENT No.2

November 19

PROJECT NO. 17104 - Well and Reservoir Demolition

Item No.	Item Description	Quantity	Unit	VEIT & Company 2445 South 179th Street, Suite E New Berlin, WI 53146		Partial Payment 1 September 12, 2017		Final Payment 2 September 12, 2017		Total Complete	
				Price	Total Price	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	Well Nos. 1 and 3 Abandonment and Reservoir Demolition	1.00	LS	\$243,556.00	\$243,556.00	0.75	\$182,667.00	0.25	\$60,889.00	1.00	\$243,556.00
E-1	Reroute of 12" watermain and appurtenances	1.00	LS	\$16,608.00	\$16,608.00	1.00	\$16,608.00	0.00	\$0.00	1.00	\$16,608.00
C-1	Reroute of 12" watermain and appurtenances	1.00	LS	-\$2,000.00	-\$2,000.00	0.00	\$0.00	1.00	-\$2,000.00	1.00	-\$2,000.00
TOTAL (Items 1)					\$260,164.00		\$182,667.00		\$60,889.00		\$258,164.00

Sub-Total Completed To Date \$258,164.00
 Less Allowance for testing and approval \$0.00
 Less Retainage (5% to 60% complete) 5% up to 50% \$0.00
 Total \$258,164.00
 Less Previous Payments 5% up to 50% -\$192,770.90
TOTAL PAYMENT DUE THIS PERIOD \$65,393.10

Recommended for Commission Approval by: [Signature] Date: 11-6-17

Contractor Final Payment Approval by: [Signature] Date: 11-3-17

OAK CREEK WATER & SEWER UTILITY
 Approved by PP
 Date 11-6-17

OAK CREEK WATER AND SEWER UTILITY
Operating Budget Summary - Water Utility
2018

	Actual 2016	Estimated Total 2017	Budget 2017	Variance - 2017 Est. to 2017 Bud. Favorable/ (Unfavorable)	Budget 2018	Variance - 2018 Budget to 2017 Est. Favorable/ (Unfavorable)
Operating Revenue:						
Metered sales - retail	\$ 5,506,450	\$ 5,487,689	\$ 5,590,200	\$ (102,511)	\$ 5,534,300	\$ 46,611
Metered sales - wholesale	3,602,897	3,158,036	3,776,600	(618,564)	3,221,200	63,164
Unmetered sales	17,409	16,649	17,100	(451)	16,600	(49)
Private fire protection	172,789	178,959	171,500	7,459	179,000	41
Public fire protection - retail	1,095,065	1,126,901	1,112,800	14,101	1,126,900	(1)
Public fire protection - wholesale	75,898	76,957	78,200	(1,243)	77,000	43
Miscellaneous	381,481	389,095	362,100	26,995	390,200	1,105
Total Operating Revenue	10,851,989	10,434,286	11,108,500	(674,214)	10,545,200	110,914
Operating Expense:						
Operation expense:						
Source of supply-						
Labor	37,060	38,302	38,400	98	41,100	(2,798)
Materials	5,070	5,702	5,400	(302)	5,800	(98)
Pumping expense -						
Labor	272,988	268,325	283,800	15,475	299,400	(31,075)
Materials	541,721	491,186	504,500	13,314	533,000	(41,814)
Water treatment expense -						
Labor	343,414	334,225	348,900	14,675	373,000	(38,775)
Materials	545,014	435,033	475,300	40,267	495,800	(60,767)
Transmission and distribution -						
Labor	518,068	505,538	533,200	27,662	515,700	(10,162)
Materials	188,823	115,508	122,100	6,592	118,000	(2,492)
Customers' account expense -						
Labor	88,285	86,412	89,400	2,988	88,100	(1,688)
Materials	15,707	14,425	13,700	(725)	14,900	(475)
Administrative and general -						
Labor	131,885	128,456	133,700	5,244	131,100	(2,644)
Materials	1,849,715	1,348,005	1,310,000	(38,005)	1,412,000	(63,995)
Total operations expense	4,537,750	3,771,117	3,858,400	87,283	4,027,900	(256,783)
Allocated expenses	187,403	154,262	66,200	(88,062)	133,200	21,062
Depreciation	2,572,095	2,609,204	2,709,200	99,996	2,739,700	(130,496)
Taxes	1,848,056	1,855,820	1,917,000	61,180	1,911,500	(55,680)
Total Operating Expense	9,145,304	8,390,403	8,550,800	160,397	8,812,300	(421,897)
Net Operating Income	1,706,685	2,043,883	2,557,700	(513,817)	1,732,900	(310,983)
Nonoperating Revenues (Expenses)	(430,589)	(415,762)	(389,400)	(26,362)	(374,334)	41,428
Income Before Capital Contributions	1,276,096	1,628,121	2,168,300	(540,179)	1,358,566	(269,555)
Capital contributions	676,282	-	-	-	-	-
Water connections	-	-	-	-	-	-
Change in Net Assets	\$ 1,952,378	\$ 1,628,121	\$ 2,168,300	\$ (540,179)	\$ 1,358,566	\$ (269,555)
Change in Net Assets, excluding capital contributions and water connections	\$ 1,276,096	\$ 1,628,121	\$ 2,168,300	\$ (540,179)	\$ 1,358,566	\$ (269,555)

OAK CREEK WATER AND SEWER UTILITY
Operating Budget Summary - Sewer Utility
2018

	Actual 2016	Estimated Total 2017	Budget 2017	Variance - 2017 Est. to 2017 Bud. Favorable/ (Unfavorable)	Budget 2018	Variance - 2018 Budget to 2017 Est. Favorable/ (Unfavorable)
Operating Revenue:						
Oak Creek charges	\$ 1,433,148	\$ 1,428,705	\$ 1,428,200	\$ 505	\$ 1,445,400	\$ 16,695
MMSD charges	2,473,421	2,445,193	2,463,000	(17,807)	2,761,700	316,507
Other charges	2,280	640	3,000	(2,360)	600	(40)
Miscellaneous	51,347	49,022	48,200	822	49,100	78
Total Operating Revenue	3,960,196	3,923,560	3,942,400	(18,840)	4,256,800	333,240
Operating Expense:						
Operation expense:						
Sewer User Charge - MMSD	2,357,804	2,364,980	2,463,000	98,020	2,762,000	(397,020)
Pumping expense -						
Labor	7,296	7,575	8,500	925	7,700	(125)
Materials	4,016	3,812	4,100	288	3,900	(88)
Collection expense -						
Labor	224,147	235,301	228,800	(6,501)	240,200	(4,899)
Materials	51,171	52,720	29,100	(23,620)	49,400	3,320
Customers' account expense -						
Labor	50,143	49,730	50,800	1,070	50,700	(970)
Materials	6,732	5,112	5,900	788	5,300	(188)
Administrative and general -						
Labor	53,043	52,309	53,000	691	53,500	(1,191)
Materials	335,136	308,043	255,000	(53,043)	318,700	(10,657)
Total operations expense	3,089,488	3,079,582	3,098,200	18,618	3,491,400	(411,818)
Allocated expenses	199,387	221,800	301,800	80,000	228,500	(6,700)
Depreciation	517,025	529,800	559,800	30,000	556,300	(26,500)
Taxes	32,166	31,117	32,300	1,183	32,100	(983)
Total Operating Expense	3,838,066	3,862,299	3,992,100	129,801	4,308,300	(446,001)
Net Operating Income	122,130	61,261	(49,700)	110,961	(51,500)	(112,761)
Nonoperating Revenues (Expenses)	51,548	81,258	64,600	16,658	83,500	2,242
Income Before Capital Contributions	173,678	142,519	14,900	127,619	32,000	(110,519)
Capital contributions	218,843	-	-	-	-	-
Sewer connections	-	-	-	-	-	-
Change in Net Assets	\$ 392,521	\$ 142,519	\$ 14,900	\$ 127,619	\$ 32,000	\$ (110,519)
Change in Net Assets, excluding capital contributions and water connections	\$ 173,678	\$ 142,519	\$ 14,900	\$ 127,619	\$ 32,000	\$ (110,519)

ADMINISTRATIVE OPERATIONS

October 2017

Operating Budget:

Accounting Supervisor Stenzel prepared the Utility's annual operating budget for 2018.

Delinquent Notices:

Administrative staff mailed delinquent notices to 1,459 accounts stating their balances are past due and will be placed on the tax roll, along with a 10% penalty, if they are not paid by November 15. Notices were mailed to 1,406 customers in 2016, 1,348 customers in 2015 and 1,412 customers in 2014. The increase in the number of notices mailed for 2017 was 53 accounts, or 3.8%.

Training:

Accounting Supervisor Stenzel attended the Coaching and Disciplinary Training session at City Hall on October 16.

Accounting Supervisor Stenzel attended the Baker Tilly Utility University accounting seminar in Wisconsin Dells on October 19.

Accounting Supervisor Stenzel and Confidential Secretary Esselman attended the MSI Harris software user group meeting in Elk Grove Village, Illinois, on October 26.

Other:

Accounting Supervisor Stenzel participated on the Green Bay Water Utility's interview team for a Business Manager position on October 31.

Workload:

Other administrative tasks for the month included the following:

1. Added 5 new customer accounts.
2. Billed 907 water customers and 937 sewer customers.

Gallons Billed (in thousands):

	YTD 2017	YTD 2016	YTD 2015	YTD 2014	YTD 2013	Average
Residential	329,559	356,853	345,139	337,437	347,137	343,225
Commercial	397,371	388,162	379,693	368,739	355,244	377,842
Industrial	369,737	358,326	325,520	339,196	327,406	344,037
Public Authority	10,209	11,262	17,897	13,518	16,565	13,890
Wholesale	1,030,386	1,130,097	1,203,894	1,119,490	1,156,845	1,128,142
Total	2,137,262	2,244,700	2,272,143	2,178,380	2,203,197	2,207,136
% Change to Prior Year	-4.8%	-1.2%	4.3%	-1.1%	N/A	
% Change to Average	-3.2%	1.7%	2.9%	-1.3%	-0.2%	

New Customers:

	YTD 2017	YTD 2016	YTD 2015	YTD 2014	YTD 2013	Average
Residential	24	22	21	19	26	22.4
Commercial	25	24	9	1	1	12.0
Industrial	0	0	1	0	0	0.2
Public Authority	0	1	1	0	0	0.4
Wholesale	0	0	0	0	0	-
Total	49	47	32	20	27	35.0

New Commercial Customers (YTD 2017): Centennial Park (5 accounts), Cricket Wireless, GMX Midland Oak Creek LLC (2 accounts), Ad-Tech (2 accounts), Valentine Café, One West Drexel, HSI Drexel Ridge (7 accounts), trucking terminal at 10450 S. Oakview Parkway, Kwik Trip, Azura Memory Care (4 accounts)

ENGINEERING OPERATIONS

October 2017

Water Quality Improvement Project

The Utility's second construction authorization submittal through the Public Service Commission of Wisconsin application is complete. The Public Service Commission of Wisconsin (PSC) met on October 4, 2017. The Commissioners did not render a decision regarding this project. Instead, they re-opened the record under the current docket and request more information that includes the following:

1. More detailed information about the cost estimates and comparison with the previous project including:
 - a. The inflation adjustment factor used to convert between 2015 & 2018 dollars.
 - b. Additional evidence regarding the reason the cost of certain project components did not decrease further, including costs associated with the intermediate pump station building and equipment and the UV disinfection building and equipment.
 - c. A more detailed breakdown of costs of the application with cost components of the previous project.
 - d. A more detailed explanation of what, if any, costs have increased as compared with the previous project.
2. A preliminary estimate, prepared by an independent engineering firm, of the project cost if it were designed from the bottom up using projections from the supplemental demand study rather than the approach of scaling back components of the previous project to meet the demand study projections.
3. Additional information about the competitive bidding process to be used by Oak Creek and how it may affect actual project costs.
4. A Value Engineering Study (Study), as discussed in the record. The Commission delegates to Commission staff the authority to determine the appropriate scope and independent experts to be included in the study.
5. Additional information about the status of negotiations with Franklin and the City of Waukesha about extending existing or establishing new contracts with Oak Creek to provide wholesale service to those communities.
6. Information about whether Oak Creek would waive consideration by the Commission, in the fixation of rates, some or all of the costs associated with the project, and if so, under what conditions.

The balance of this work will cost the Utility approximately \$200,000. Engineering has engaged a reputable value engineering firm who has produced a scope of work, budget, and assembled an independent VE team. CDM Smith will act as the Utility's consultant in producing an independent project budget based on a "ground up" approach.

Once submitted to the PSC, Engineering anticipates that a hearing would be held in April, with an early June decision by the PSC.

Once again, the Utility has been given a deadline of December 31, 2020 to correct the code compliance issues with the existing CT Tank. This deadline did not carry any weight with the Commission members in their deliberations.

2017 Sanitary Rehabilitation Project

Bids for this project will be opened on November 10, 2017. The project includes manhole to manhole sanitary sewer relays, spot repairs, and sewer lining.

DISTRIBUTION & COLLECTION OPERATIONS

October 2017

Water Main Break:

On October 25th the Utility had a report of a main break at 7672 South Pine Avenue. A crew was called in to repair an 8" DIP that had a 3" blow hole. The main was installed in 1970.

On October 25th the Utility had a report of a main break at South Lenox Avenue and East Montana Avenue. A crew was sent to repair an 8" DIP that had a 2" blow hole. The main was installed in 1968.

Lateral Repairs:

On October 5th a crew was sent to 313 West Summerhill Place to replace the curb stop box that was corroded before a new driveway was installed.

Valve Repairs:

On October 17th a crew was sent to 10303 South Chicago Road to repair a 6" gate valve that was leaking. The bonnet and packing bolts were replaced.

On October 18th a crew was sent to South Howell Avenue and West Fairfield Drive to repair a 6" gate valve that was leaking. The bonnet and packing bolts were replaced. The fire hydrant was exposed at this time; and after inspecting it, the lower hydrant barrel bolts along with the tee bolts on the hydrant shoe were also replaced.

Hydrants:

On October 19th a crew was sent to 8218 Lauree Lane to install a 12" hydrant extension on an existing hydrant for a city road project.

Sewer:

In October crews performed maintenance on 67 manholes and treated for roots 2,023' of sewer lines.

Miscellaneous:

In October semi-annual flushing was completed.

On October 4 Senior Utility Worker Allard and Distribution Manager Schwartz attended a water seminar sponsored by Core and Main in New Berlin.

On October 5th Utility Workers Price, Allard, Struebing, Proeber and Manager Schwartz attended a Public Works/Parks/Building & Grounds Expo in Greenfield.

In October Utility workers completed 7 restorations including asphaltting and landscaping.

DISTRIBUTION GOALS 2017

JOB DESCRIPTION	GOALS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
Meter Testing & Exchanges	450	91	95	151	104	155	134	161	108	70	29			1,098
New Installs	30	3	5	6	9	6	9	5	7	6	3			59
Cross Connection Inspections	450	3	4	62	53	86	77	55	44	29	9			422
Industrial Inspections		30	32	14	16	23	32	8	17	25	44			241
Orion Replacements	200	13	16	70	55	92	88	86	57	31	14			522
Water Main Repairs		-	1	1	-	-	-	1	1	1	2			7
Water Lateral Repairs		2	1	2	1	1	1	1	-	-	-			9
Annual Hydrant Flushing	2,164				1,082	1,082								2,164
Semi-annual Flushing	215				Done w/ Annual						215			215
Quarterly Flushing	2x69 (138)	69			Done w/ Annual		69							138
Flush Emergency Connections	3										3			3
Watermain Crossings	63	63												63
Hydrant Greasing - Caps	2,164				1,082	1,082								2,164
Hydrant Greasing - Packing	200					40	69	81	245					435
Hydrant Painting	500													
Winterize Hydrants	58													
Clean Sewers	185,000	11,406.0	34,500.0	31,792.0	15,383.0	18,648.0	27,500.0	22,156.3	3,805.8	7,173.8	1,156.9			158,138.8
Camera Sewers	90,000	-	4,430.0	-	589.3	16,276.0	23,260.7	12,917.2	3,192.4	9,904.8	900.1			71,450.5
Root treatment										12,848	2,023			14,871
Manhole Maintenance Flowlines											10			10
Grout Manholes	25	29	31	22							16			98
Repair Manhole Chimneys							6							6
Replace Manhole Cover Seals				5	4	4			19		9			41
Check Problem Sewers	4x44	44			44			44			44			176
Check Remote Sewer Mains	40													-
Check Remote Water Mains	25													-
Operate Valves	1,000						653	593	430		122			1,798
Valve Boxes Repaired or Adjusted				4	-	9	14	10	7	-	7			51
Stop Boxes Repaired or Adjusted				3	2	3	4	6	2	3	5			28
Concrete/Asphalt/Landscaping						8	6	6	4	2	3			23
Catholic Protection Tests	11									11				11
Winterize Equipment												Due		0
Summerize Equipment				Done	Done									0
Run All Equipment				Done	Done						Done			0
MMSD Annual CMOM Report							Done							0
DNR eCMAR							Done							0

PLANT OPERATIONS

October, 2017

PUMPAGE REPORT	2017 (pumpage in gallons)	2016 (pumpage in gallons)	Percentage of Change
Monthly pumpage	225,168,000	246,123,000	-8.5
Monthly average day	7,263,000	7,939,000	-8.5
Monthly peak day	(10/22/17) 9,550,000	(10/30/16) 9,940,000	-3.9
Yearly pumpage	2,245,050,000	2,423,295,000	-7.4
Yearly average day	7,385,000	7,945,000	-7.1
Yearly peak day	(8/27/17) 10,510,000	(8/11/16) 11,950,000	-12.1
West zone pumpage	99,020,000	100,810,000	-1.8

WATER QUALITY REPORT	Raw Water	Finished Water
Average free chlorine		1.59 mg/l
Total chlorine		1.76 mg/l
Average alkalinity	106.4 mg/l	107.4 mg/l
Average pH	8.2	8.0
Average fluoride	0.10 mg/l	0.73 mg/l
Average turbidity	3.0 N.T.U.	0.04 N.T.U.
Average temperature	53.8 °F	
Hardness	137 mg/l	137 mg/l

Preventative Maintenance Tasks: Staff completed 149 preventative maintenance tasks, 1 miscellaneous work order, and 2 safety sessions during the month.

Flocculation and Sedimentation Basins: Staff cleaned and inspected all six flocculation and sedimentation basins during the month of October. Flocculation basin #4 experienced another shaft failure. Interstate Erecting repaired the shaft and the basin was put back in service. Staff has requested pricing and availability from Walker Equipment on a replacement shaft.

Tours: Operators Muschinski and Krueger guided approximately 100 Franklin high school students through the treatment plant on 10-24.

Task Distribution

