

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, February 9, 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 4th day of February, 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 February 9, 2016	Headquarters Building 170 West Drexel Avenue

- 1.0 OPENING OF MEETING**
 - 1.1 Roll Call
 - 1.2 Minutes Approval - Regular Meeting 01-12-16
- 2.0 FINANCIAL MATTERS**
 - 2.1 Project Payment Approvals
 - 2.2 Voucher Approval
 - 2.3 Utility Investments
- 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**
 - 4.1 15th Avenue Water Main Extension Project
- 5.0 MISCELLANEOUS MATTERS**
 - 5.1 LED Shop Light Upgrade-Distribution
 - 5.2 Vehicle Bid-Distribution
 - 5.3 Filter Valve Replacement-Plant
 - 5.4 Reduced Pressure Backflow Preventer Relocation-Plant
 - 5.5 Inline Mixer Replacement-Plant
 - 5.6 Electrical Valve Operator Replacement-Plant
- 6.0 CLOSED SESSION**
 - 6.1 Closed session in accordance with Section 19.85 (1) (c), (e), and (g) of the Wisconsin State Statutes for the following purpose:
 - A. CT Tank Compliance Project
 - B. Utility Funds Used in TIF Districts
 - C. 2016 Salary and Wage Adjustments
 - D. Employee Termination/Separation
 - 6.2 Reconvene into open session
 - 6.3 Take action, if required
- 7.0 ADJOURN**

OAK CREEK WATER AND SEWER UTILITY
FINAL PAYMENT

Item No.	Item Description	Quantity	Unit	Price	Total Price	Partial Payment 1 April 14, 2015		Partial Payment 2 May 12, 2015		Partial Payment 3 June 10, 2015		Partial Payment 4 July 14, 2015		Partial Payment 5 August 11, 2015		Partial Payment 6 September 8, 2015		Partial Payment 7 January 12, 2016		Total Complete			
						Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	12-inch PVC Water Main, Slurry Bt.	15	LF	\$204.00	\$3,120.00	15.00	\$3,120.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	15.00	\$3,120.00	
2	12-inch PVC Water Main, Slurry Bt.	1.770	LF	\$105.00	\$185,925.00	0.770	\$81,150.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	0.770	\$81,150.00	
3	12-inch PVC Water Main, Slurry Bt.	7.770	LF	\$77.00	\$598,972.00	2.000	\$154,000.00	4.140	\$321,188.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	6.140	\$475,188.00	
4	Connect to Existing 12-inch Water Main	2	EA	\$4,600.00	\$9,200.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	2.00	\$9,200.00	
5	Connect to Existing 12-inch Water Main	2	EA	\$4,600.00	\$9,200.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	2.00	\$9,200.00	
6	Connect to Existing 12-inch Water Main	3	EA	\$7,000.00	\$21,000.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	3.00	\$21,000.00	
7	Payment, Load, and Unload Curb Valve	23	EA	\$2,400.00	\$55,200.00	12.00	\$28,800.00	1.00	\$2,400.00	7.00	\$16,800.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	20.00	\$48,000.00	
8	12-inch Curb Valve	2	EA	\$1,400.00	\$2,800.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	2.00	\$2,800.00	
9	12-inch Water Service Lateral (Polyethylene) Direct-Set Drill	10	EA	\$2,700.00	\$27,000.00	4.00	\$10,800.00	4.40	\$11,880.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	8.40	\$22,680.00	
10	12-inch Water Service Lateral (Polyethylene) Direct-Set Drill	34	EA	\$2,100.00	\$71,400.00	12.00	\$25,200.00	12.00	\$25,200.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	24.00	\$50,400.00	
11	Payment Removal	11,500	SF	\$4.00	\$46,000.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	11,500	\$46,000.00	
12	12-inch Concrete Manhole	175	EA	\$84.00	\$14,700.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	175	\$14,700.00	
13	12-inch Concrete Manhole	10	EA	\$206.00	\$2,060.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	10	\$2,060.00	
14	12-inch Concrete Manhole	2,150	EA	\$66.00	\$141,900.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	2,150	\$141,900.00	
15	12-inch Concrete Manhole	2,150	EA	\$75.00	\$161,250.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	2,150	\$161,250.00	
16	12-inch Concrete Manhole	10,000	LF	\$1.60	\$16,000.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	10,000	\$16,000.00	
17	Curb and Curb Replacement	972	VF	\$40.00	\$38,880.00	14.00	\$560.00	287.00	\$11,516.00	47.00	\$1,880.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	348.00	\$14,016.00	
18	Hydrant Extension	37	VF	\$580.00	\$21,420.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	37	\$21,420.00	
19	Storage and Delivery of Building	1	LS	\$700.00	\$700.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	1	\$700.00	
20	Excavate Valve Box Removal (Top Section Only)	1	LS	\$1,300.00	\$1,300.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	1	\$1,300.00	
21	Excavate Control	1	LS	\$3,700.00	\$3,700.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	1	\$3,700.00	
22	Manhole Control	1	LS	\$5,100.00	\$5,100.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	1	\$5,100.00	
23	12-inch PVC Storm Sewer, Class 150	300	LF	\$52.00	\$15,600.00	35.00	\$1,870.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	35.00	\$1,870.00	
24	12-inch PVC Storm Sewer, Class 150	1	LS	\$9,400.00	\$9,400.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	1	\$9,400.00	
E-1	12-inch Water Service Lateral (Polyethylene) C.O.S.	121	EA	\$1,000.00	\$121,000.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	121	\$121,000.00	
E-2	Storm Sewer Subgrade and Road Layer Improvement	1	LS	\$14,391.96	\$14,391.96	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	\$0.00	-	1	\$14,391.96	
					TOTAL (Items 1-24)	\$1,798,221.00	\$465,616.00	\$409,585.83	\$409,585.83	\$409,585.83	\$409,585.83	\$409,585.83	\$409,585.83	\$409,585.83	\$409,585.83	\$409,585.83	\$409,585.83	\$409,585.83	\$409,585.83	\$409,585.83	\$409,585.83	\$409,585.83	\$409,585.83

Sub-Total Completed to Date: \$1,520,226.95
 Allowance for Testing and Approval (10% of Total Completed to Date): \$0.00
 Retainage (5% of Subtotal 1 up to a Maximum of \$44,370.50): \$1,820,528.95
 Total: \$1,746,512.41
 Less Previous Payments: \$74,414.94
TOTAL PAYMENT DUE THIS PERIOD: \$1,672,097.47

Contractor Final Payment Approved by: [Signature] Date: 1/15/16
 Recommended for Commission Approval by: [Signature] Date: 1-11-2016

OAK CREEK WATER & SEWER UTILITY
 Approved by: [Signature]
 Date: 1-11-2016

Final Payment project 1A102 Cedar Hills WM Kelcey

PLANT OPERATIONS

January, 2016

PUMPAGE REPORT	2016 (pumpage in gallons)	2015 (pumpage in gallons)	Percentage of Change
Monthly pumpage	210,253,000	211,173,000	-0.4
Monthly average day	6,782,000	6,812,000	-0.4
Monthly peak day	(1/13/16) 7,890,000	(1/19/15) 8,430,000	-6.4
Yearly pumpage	210,253,000	211,173,000	-0.4
Yearly average day	6,782,000	6,812,000	-0.4
Yearly peak day	(1/13/16) 7,890,000	(1/19/15) 8,430,000	-6.4
West zone pumpage	92,430,000	97,100,000	-4.8

WATER QUALITY REPORT	Raw Water	Finished Water
Average free chlorine		1.53 mg/l
Total chlorine		1.72 mg/l
Average alkalinity	111.7 mg/l	111.9 mg/l
Average pH	8.3	8.1
Average fluoride	0.11 mg/l	0.71 mg/l
Average turbidity	4.45 N.T.U.	0.04 N.T.U.
Average temperature	35.9°F	
Hardness	137 mg/l	137 mg/l

Preventative Maintenance Tasks: Staff completed 133 preventative maintenance tasks, 1 miscellaneous work order, and 2 safety sessions during the month.

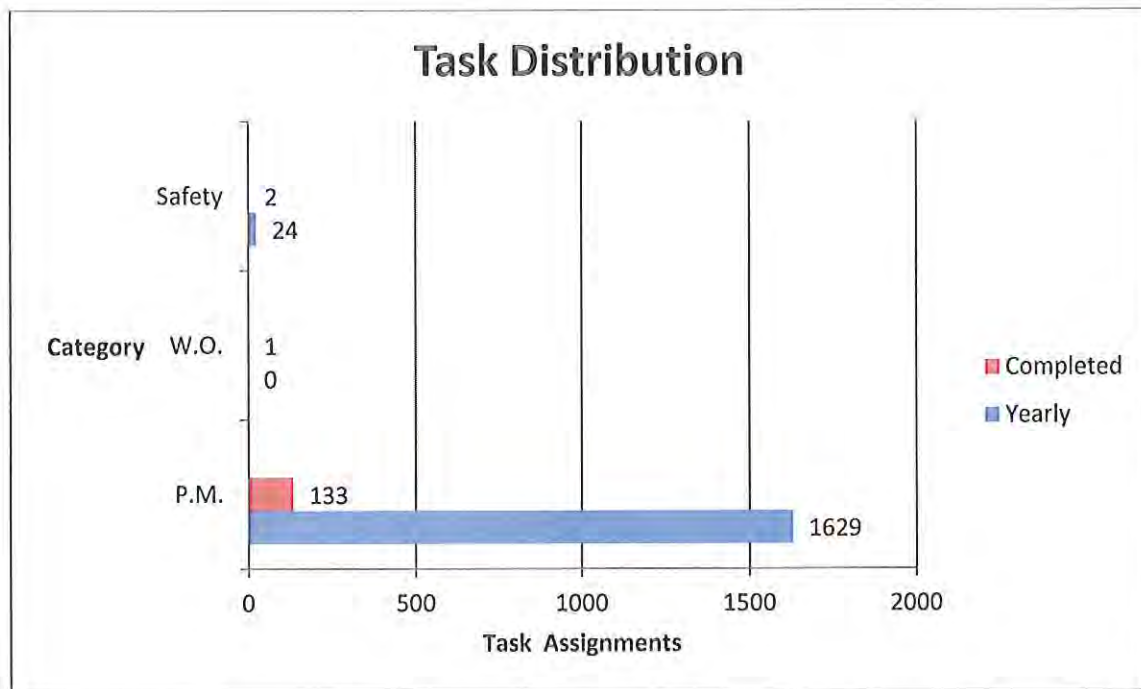
Safety Training/ Medical Testing: Staff completed safety training on fall protection, lockout tagout, respirator fit and seal testing, hearing protection, and personal safety gear during the month of January. In addition, Medivan was on site to test all employees for hearing loss and pulmonary fitness.

Standby Engine and Generator: During routine maintenance operation of the standby engine at the treatment plant staff detected abnormal performance. Inland was brought on site to trouble shoot the engine and found a parts failure in one of the magnetos. Currently, the standby engine is out of service until a decision is made on the CT project. On January 20th Operator Muschinski had to abort a scheduled maintenance test on the Raw Water Pump Station standby generator due to the floor drains overflowing from the engine cooling water. Operator Robe and Muschinski found a

plugged 24" drain line at its exit point on the lake shore wall. Operator Robe was able to thaw the pipe line from the outside and establish free drain flow. Operator Muschinski successfully ran the generator with no cooling problems.

Remote Station Telemetry System: Operations experienced a telemetry failure the week of 1-20. Investigation by Utility Engineer Pritzlaff identified an antenna failure. Communication was restored utilizing a backup pathway. The antenna at Sycamore Tower will be redirected when weather is more conducive to tower climbing.

Janat and 22nd Street Booster Pump Stations: CTW removed and rebuilt #2 pump at the Janat Booster Pump Station during the month of January. Operator Muschinski installed a new relay and base in pump #5 electrical cabinet at 22nd Street.



DISTRIBUTION & COLLECTION OPERATIONS

January 2016

Water Main Breaks:

In the month of January there were four water main breaks.

On January 6th there was a report of a possible main break at 3683 East Ryan Road. A crew was sent to repair a 16" DIP that had a blow hole. The main was installed in 1972.

On January 12th there was a report of a main break at 1990 West Ridgeview Drive. A crew was called in to repair a 12" DIP that had a blow hole by the bell. The crew cut out the piece of pipe that was bad and installed a new one. The main was installed in 1972.

On January 13th there was a report of a main break at 10355 South Chicago Road. The main is a 16" DIP that is located on the edge of the highway. Mid City Plumbing was called in to do the repair. The main had a 4" blow hole. It was installed in 1979.

On January 15th a crew was sent to 8465 South 5th Avenue for a possible leak. The crew dug up and replaced the T bolts on the MJ fitting that were corroded. The main was installed in 1964.

On January 22nd a crew was sent to 8465 South 5th Avenue to repair a 6" CIP on a hydrant lead. After exposing the pipe a longitudinal break was found. The main was installed in 1964.

Water Lateral Repairs: None.

Hydrant Repairs:

On January 28th a crew was sent to repair a hydrant at 3631 East Alpine Drive that would not shut off.

Sanitary Lift Stations:

On January 20th a crew was sent to the Jewell lift station to replace two float switches.

Miscellaneous:

On January 20th Utility Workers Struebing and Flatow attended a distribution seminar hosted by HD Supply Waterworks.

In the month of January 7 Utility Service Workers attended Digger Hotline Meetings.

ADMINISTRATIVE OPERATIONS

January 2016

Bill Inserts:

A listing of current water, sewer and metro rates will be included as a bill insert for all cycles, beginning with the January bills. The Utility is required to notify customers of current rates at least once a year and when rates change.

Year End:

Confidential Secretary Esselman sent 1099 information to the City for vendors who were required to receive them for 2015.

WWA Audit Committee:

Accounting Supervisor Stenzel and Senior Accountant Leranthe performed the 2015 audit for Wisconsin Water Association (WWA) on January 20. WWA financial statements were also prepared in January and will be presented to the Board of Trustees in February.

Workload:

Other administrative tasks included the following:

1. Added 2 customer accounts.
2. Billed 895 water customers and 927 sewer customers.

Gallons Billed (in thousands):

	YTD 2016	YTD 2015	YTD 2014	YTD 2013	YTD 2012	Average
Residential	6,569	6,973	7,099	6,956	7,009	6,921
Commercial	33,515	35,213	34,675	31,944	32,691	33,608
Industrial	28,031	33,029	36,896	28,990	26,180	30,625
Public Authority	364	311	313	275	263	305
Wholesale	206,247	228,947	225,649	217,578	227,811	221,246
Total	274,726	304,473	304,632	285,743	293,954	292,706
% Incr (Decr)	-9.8%	-0.1%	6.6%	-2.8%		

New Customers:

	YTD 2016	YTD 2015	YTD 2014	YTD 2013	YTD 2012	Average
Residential	2	2	3	6	2	3.0
Commercial	0	0	1	1	5	1.4
Industrial	0	0	0	0	0	-
Public Authority	0	0	1	0	0	0.2
Wholesale	0	0	0	0	0	-
Total	2	2	5	7	7	5
% Incr (Decr)	0.0%	-60.0%	-28.6%	0.0%		

ENGINEERING OPERATIONS

January 2016

Cell Phone Antenna Upgrades

AT&T has submitted two sets of plans requesting upgrades to their antennas at both Howell Tower and Sycamore Tower. At both Howell Tower and Sycamore Tower, they have proposed to remove one antenna at each of the three sectors and replace with a new antenna. Thus the work at each water tower consists of removing three existing antennas and replacing them with new antennas. These plans are currently under review by Strand Associates.

Verizon has proposed the installation of a generator at the Sycamore Tower site. They conducted a demonstration for the Utility to insure the noise created by the generator would not be disruptive to the surrounding neighbors. The results of the test were satisfactory. The plans for the project have been approved by the Utility and are pending approval by the City of Oak Creek Inspection Department.

Cricket removed their infrastructure from Sycamore Tower. The Utility has generated a punch list and has delivered it to Cricket representatives. The majority of the punch list items will be completed in the spring when the weather improves to a point where the temperature is more conducive to painting.

CT Tank Compliance Project/2016 Water Treatment Plant Improvement Project

The plans and specifications for this project are complete and out to bid via QuestCDN. As per the WDNR Safe Drinking Water Loan Program requirements, all documentation – including fully executed contracts – are required to be delivered to the WDNR no later than March 31, 2016. The project is currently set for a February 26, 2016 bid opening in order to deliver final project documentation by the deadline.

The Public Service Commission of Wisconsin (PSC) has decided to hold an onsite public hearing regarding the project. Public comments will be received by the PSC Administrative Law Judge (ALJ) on February 16, 2016 at 4:00pm at the Oak Creek Public Library. Because the ALJ has decided to hold a public hearing, the PSC Commission will not be able to render a construction authorization decision on the project at their anticipated February 11, 2016 meeting. Thus it is unclear when the next meeting will occur. Consequently, there is the potential that the project could get delayed if the Utility is not able to receive construction authorization in time to submit final paperwork to the WDNR Safe Drinking Water Loan Program by March 31, 2016.

Utility Engineer Pritzlaff met with representatives from the Remediation and Redevelopment branch of the WDNR. They are seeking more data and testing with regard to the existence of Polychlorinated Biphenyl (PCB) on the site. This testing can be done during construction but it is unknown as to its effect on prosecution and progress. Additionally, site-wide testing for PCB's will add cost to the project. Engineering is currently determining a course of action with regard to this portion of the project.

5th Avenue Water Main Extension

The plans and specifications for this project are complete. The project will be out to bid on February 4, 2016 with a bid opening on February 19, 2016.

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15th Avenue Water Main Extension

Date: February 9, 2016

RECOMMENDATION: That the Commission consider a motion to approve the 15th Avenue Water Main Extension Project in the amount of \$361,000 and to amend the capital budget by the same amount.

On January 6, 2016, the Utility experienced a water main break in Ryan Road east of Northbrook Blvd. The break interrupted water service to over 100 customers in the Northbrook Subdivision. Further analysis of the scenario determined that the subdivision has only a single feed from Ryan Road. Thus this project proposes to add a second feed to the subdivision by extending the existing water main in 15th Avenue as per the attached exhibit and to specially assess the abutting property owners.

The project consists of extending approximately 1,100' of 12" PVC water main, connecting two dead ends in 15th Avenue. The budget for the project is as follows:

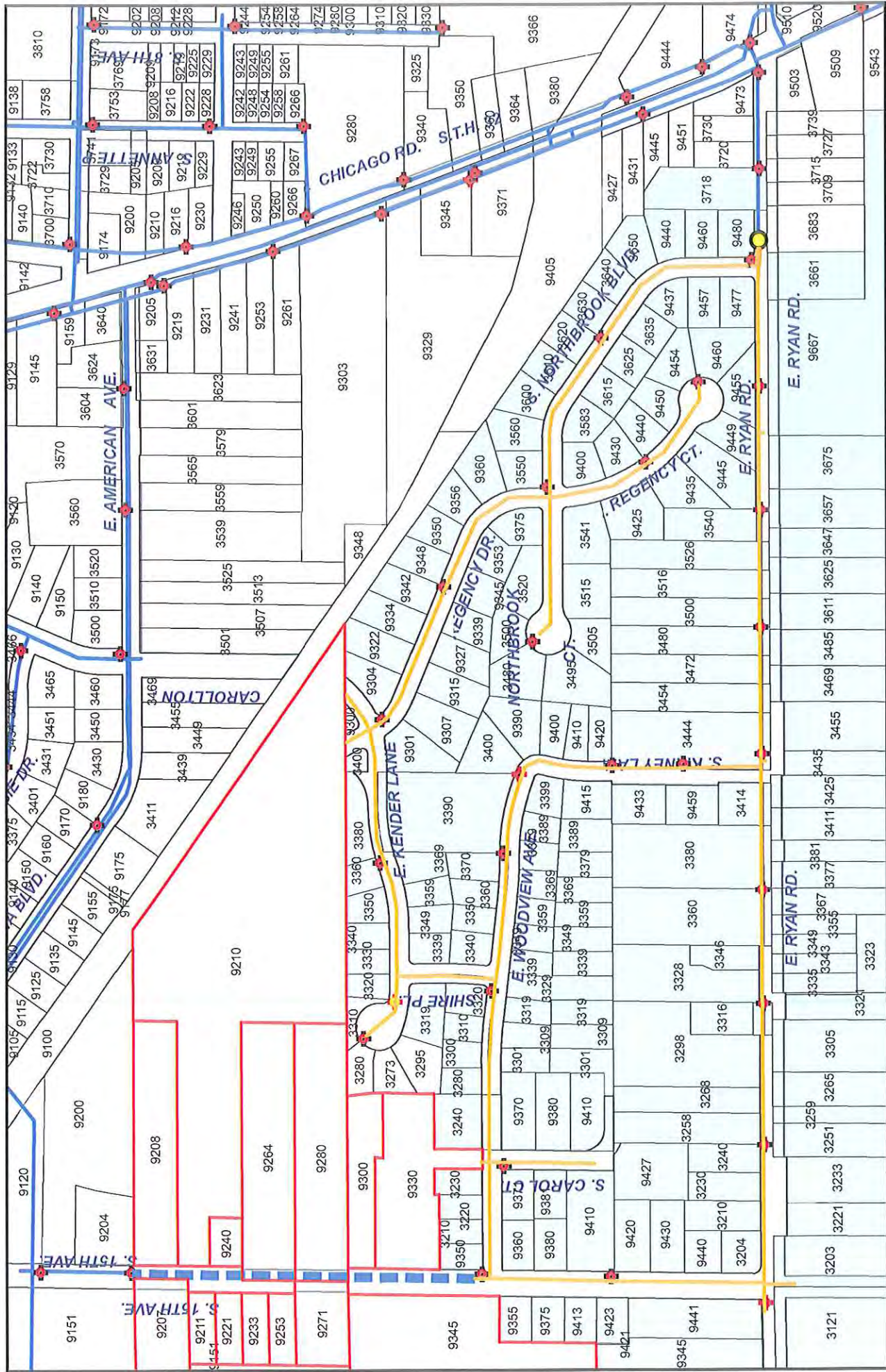
Project Design:	\$25,000
Project Construction:	\$300,000
Project Inspection:	\$36,000
Total Project Cost:	\$361,000

A financial feasibility analysis indicated a \$213,000 loss for the Utility over the next 20 years. However, the second feed to the subdivision will provide reliability in the case of a water main break in the future.

Estimated Project Cost:	\$300,000
Special Assessment (10 year payback):	\$141,935
Special Assessment (20 year payback):	\$8,700
Utility Funded :	\$149,365 (50%)

Engineering is in the process of evaluating all scenarios in which a water main break on a single feed would cause interruption in water service to large amounts of customers. Additionally, Engineering is also reviewing specific areas where – if a water main break were to occur - the existing valve configuration could cause large customer service interruptions. A priority list of these areas will be developed and presented to the Commission at a later date.

Proposed Water Main Extension S. 15th Avenue



Main Break Location

Affected Properties

Affected Watermain

Proposed Watermain

New Customers

OAK CREEK
WATER and SEWER UTILITY

Distribution Garage Light Replacement

We have gathered information for converting the garage lights to retrofit LED bulbs. Besides providing significant money savings, the bulbs have an instant on feature which will allow us to have light when we need it. With this feature, we will be able to decrease the amount of time the lights are on for each cycle since we will be able to turn them immediately back on without the 10+ minutes it takes the current metal halide bulbs to cycle. We will no longer require a ballast in each light which will also decrease power usage. If we replace all the bulbs at this time, we will qualify for a Focus On Energy rebate for all the bulbs. Three bulbs are on 24 hours a day for security and exit lighting purposes. Four bulbs are on 9 hours a day in our mechanics area to allow access to shop tools and maintenance/repair projects throughout the day. There are three other zones that are controlled by switches. These are switched on periodically throughout the day and have a run time of 1 ½ hours. On average, these lights may be on three hours a day. I factored in Peak and Off-Peak rates when calculating energy costs.

Three 24/7 lights:

Currently each bulb costs \$423 yr.

New bulb would be \$138 yr.

Each bulb would pay for itself in nine months

Four 9 hr. /day lights

Currently each bulb costs \$129 yr.

New bulb would be \$42 yr.

Each bulb would pay for itself in 2 yrs. 9 mos.

Remaining 30 shop lights

Currently each bulb costs \$43 yr.

New bulb would be \$14 yr.

Each bulb would pay for itself in 7 years

(Each bulb has a life expectancy of 55,000 hours. At the current rate of use, that is a 70 year life expectancy)

OEO Energy Solution's price is \$260 per bulb. After \$50 rebate, total price per bulb would be \$210.

Initial purchase price of 34 bulbs before rebate = \$8840

Rebate for 37 bulbs (three bulbs have already been purchased that would qualify for rebate) = \$2131

Total price after rebate = \$6709 final cost

Hein Electric price was \$285 per bulb with no mention of a rebate.

Total bulb replacement cost would be \$9690

Current metal halide bulbs are \$35 each with an average replacement of four/ year (\$140). Most are replaced due to outage, but some have to be replaced due to light output that is no longer sufficient.



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1 **OEO Energy Solutions** ^

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If this is your company and details in this listing are incorrect, please email tradeally@focusonenergy.com

BID AND SPECIFICATIONS
2016 Pickup Truck Bid

Dealer	Holz Chevrolet	Ewald Ford	Ewald Chevrolet	Ewald Dodge	Lynch Chevrolet	Bob Fish GMC
YEAR	2016	2016	2016	2016	2016	2016
BRAND	Chevrolet	Ford	Chevrolet	Dodge	Chevrolet	GMC
Model	Silverado	F150	Silverado	1500	Silverado	Sierra
Wheel base	143.50"	145.0"	143.5"	140.5"	143.50"	143.50"
GVW	7,000	6,525	7,000	6,800	7,000	7,000
PAYLOAD	1,860	2,136	No info	1,717	2,031	1,860
ENGINE	5.3 V8	5.0 V8	5.3 V8	5.7 V8	5.3 V8	5.3 V8
TRANSMISSION	6spd Automatic	6spd Automatic	6spd Automatic	6spd Automatic	6spd Automatic	6spd automatic
Rear Axle: Ratio	3.08	3.31	3.08	3.21	3.08	3.42
GAS TANK	26 Gallons	23 Gallons	26 Gallons	26 Gallon	26 Gallon	26 Gallon
TIRES	P265/70R17	P245/70R17	P255/70R17	P265/70R17	P265/70R17	P265/70R17
PRICE	\$35,025	\$35,405	\$35,175.00	\$34,595.00	\$26,058.00	\$25,123.00
DISCOUNT	\$8,907.95	\$11,930.00	\$10,643.00	\$9,865.00	\$0	\$0.00
TRADE-IN ALLOWANCE	\$6,000	\$4,000.00	\$4,000.00	\$4,000.00	\$2,000.00	\$4,880.00
TOTAL COST	\$20,117	\$19,475.00	\$20,532.00	\$20,730.00	\$24,058.00	\$20,243.00

2016 Budget Amount \$26,000.00

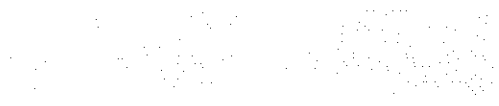
Recommend Bid from Criffin Ford **\$18,197.00**

Memorandum

To: General Manager Sullivan
CC: OCWSU Commissioners
From: Plant Manager Francis
Date: 2/3/2016
Re: Filter Valve Replacement

The following are quotes for the replacement of (1) 20" butterfly valve on filter #3 and (1) 18" butterfly valve on filter #2.

Supplier	
JF Ahern	\$24,800.00
Butters-Fetting	\$24,600.00
Recommended bid	\$24,600.00
2016 CIP budget	\$15,000.00 per valve



Memorandum

To: General Manager Sullivan
CC: OCWSU Commissioners
From: Plant Manager Francis
Date: 2/3/2016
Re: 2 1/2" RPBP Relocation

The following are quotes for the relocation of the 2 1/2" reduced pressure backflow preventer.

Supplier

JF Ahern \$11,485.00

Butters-Fetting \$ 6,400.00

Recommended bid \$ 6,400.00

2016 CIP budget \$ 5,000.00

Memorandum

To: General Manager Sullivan
CC: OCWSU Commissioners
From: Plant Manager Francis
Date: 2/3/2016
Re: Inline Mixer Replacement

The following are quotes for the replacement of the Inline mixing equipment.

Supplier

JF Ahern \$81,800.00

Butters-Fetting \$89,930.00

Recommended bid \$81,800.00

2016 CIP budget \$60,000.00

Memorandum

To: General Manager Sullivan
CC: OCWSU Commissioners
From: Plant Manager Francis
Date: 2/3/2016
Re: Electrical Valve Operator Replacement

The following are quotes for the replacement of the electrical valve operators for filters 1-4 effluent valves.

Supplier

Dorner \$17,108.00

Swanson \$17,844.00

Recommended bid \$17,844.00

2016 CIP budget \$30,000.00