

**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, July 14, 2015, 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, (FAX) 768-9587, (TDD) 768-6513 or by writing to the ADA Coordinator at the Health Department, City Hall, 8640 South Howell Avenue, Oak Creek, Wisconsin, 53154.

**DATED**, at Oak Creek, Wisconsin, this the 9th day of July, 2015.

/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 July 14, 2015	Headquarters Building 170 West Drexel Avenue
<b>1.0</b>	<b>OPENING OF MEETING</b>	
	1.1 Roll Call	
	1.2 Minutes Approval - Regular Meeting 06-16-15	
<b>2.0</b>	<b>FINANCIAL MATTERS</b>	
	2.1 Change Order 1 Cedar Hills Water Main Relay	
	2.2 Project Payment Approvals	
	2.3 Voucher Approval	
	2.4 Utility Investments	
	2.5 Financial Statements	
	2.6 Investment Strategy Review	
<b>3.0</b>	<b>ADMINISTRATIVE &amp; OPERATIONS REPORTS</b>	
	3.1 Plant Operations Report	
	3.2 Distribution Operations Report	
	3.3 Administrative Operations Report	
	3.4 Engineering Operations Report	
	3.5 Manager's Report	
<b>4.0</b>	<b>PROJECT APPROVALS</b>	
	4.1 Forest Hill Avenue Water Main Replacement Project (Design Only)	
<b>5.0</b>	<b>MISCELLANEOUS MATTERS</b>	
	5.1 Declare the Chair Vacant and Proceed to Elect a New Chairman	
	5.2 Accept the Phase III Director's Award from the Partnership for Safe Water Recognizing the Distribution System Improvement Plan	
<b>6.0</b>	<b>EXECUTIVE SESSION</b>	
<b>7.0</b>	<b>ADJOURN</b>	

OAK CREEK WATER AND SEWER UTILITY  
PROGRESS PAYMENT

PROJECT NO. 14102 - Cedar Hills Water Main Relay

Item No.	Item Description	Quantity	UPLI LLC		Partial Payment 1 April 14, 2015		Partial Payment 2 May 12, 2015		Partial Payment 3 June 9, 2015		Partial Payment 4 July 14, 2015		Total Complete	
			Unit Price	Total Price	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 B.F.	15 LF	\$208.00	\$3,120.00	15.00	\$3,120.00	-	\$0.00	-	\$0.00	0.00	\$0.00	15.00	\$3,120.00
2	12-inch PVC Water Main, 3/4-inch T.B.B.F.	1,770 LF	\$105.00	\$185,850.00	617.38	\$64,824.90	-	\$0.00	-	\$0.00	1,090.92	\$114,546.60	1,708.30	\$179,371.50
3	8-inch PVC Water Main, 3/4-inch T.B.B.F.	7,710 LF	\$77.00	\$593,670.00	2630.25	\$202,529.25	414.09	\$31,884.93	3264.56	\$251,371.12	1,367.32	\$105,263.64	7,676.22	\$591,068.94
4	Connect to Existing 6-inch Water Main	2 EA	\$4,600.00	\$9,200.00	-	\$0.00	-	\$0.00	-	\$0.00	1.00	\$4,600.00	1.00	\$4,600.00
5	Connect to Existing 8-inch Water Main	2 EA	\$4,600.00	\$9,200.00	-	\$0.00	1.00	\$4,600.00	-	\$0.00	1.00	\$4,600.00	2.00	\$9,200.00
6	Connect to Existing 12-inch Water Main	3 EA	\$7,000.00	\$21,000.00	1.00	\$7,000.00	-	\$0.00	-	\$0.00	1.00	\$7,000.00	2.00	\$14,000.00
7	Hydrant, Lead, and 6-inch Gate Valve	23 EA	\$5,400.00	\$124,200.00	9.00	\$48,600.00	1.00	\$5,400.00	7.00	\$37,800.00	7.00	\$37,800.00	24.00	\$129,600.00
8	8-inch Gate Valve	26 EA	\$1,400.00	\$36,400.00	12.00	\$16,800.00	-	\$0.00	9.00	\$12,600.00	2.00	\$2,800.00	23.00	\$32,200.00
9	12-inch Gate Valve	10 EA	\$2,700.00	\$27,000.00	4.00	\$10,800.00	-	\$0.00	-	\$0.00	5.00	\$13,500.00	9.00	\$24,300.00
10	1-1/4-inch Water Service Laterals (Polyethylene) Directional Drill	34 EA	\$2,150.00	\$73,100.00	12.00	\$25,800.00	44.00	\$94,600.00	-	\$0.00	-22.00	-\$47,300.00	34.00	\$73,100.00
11	Pavement Removal	11,500 SY	\$4.50	\$51,750.00	-	\$0.00	-	\$0.00	-	\$0.00	11,740.38	\$52,831.71	11,740.38	\$52,831.71
12	8-inch Concrete Restoration	175 SY	\$64.00	\$11,200.00	-	\$0.00	-	\$0.00	-	\$0.00	322.60	\$20,646.40	322.60	\$20,646.40
13	1-1/4-inch Dense Graded Aggregate Base Course	600 Tons	\$26.00	\$15,600.00	-	\$0.00	-	\$0.00	-	\$0.00	0.00	\$0.00	-	\$0.00
14	HMA Pavement, Type E-1, 9.5 mm Asphaltic Concrete Pavement Surface	2,160 Tons	\$69.00	\$149,040.00	-	\$0.00	-	\$0.00	243.85	\$16,825.65	545.10	\$37,611.90	788.95	\$54,437.55
15	HMA Pavement, Type E-1, 19.0 mm Asphaltic Concrete Pavement Binder	2,150 Tons	\$75.00	\$161,250.00	-	\$0.00	-	\$0.00	915.71	\$68,678.25	869.65	\$65,223.75	1,785.36	\$133,902.00
16	Sawcutting	10,650 LF	\$1.00	\$10,650.00	-	\$0.00	-	\$0.00	3426.00	\$3,426.00	5,180.00	\$5,180.00	8,606.00	\$8,606.00
17	Curb and Gutter Replacement	572 LF	\$40.00	\$22,880.00	-	\$0.00	297.00	\$11,880.00	47.00	\$1,880.00	156.00	\$6,240.00	500.00	\$20,000.00
18	Hydrant Extension	37 VF	\$580.00	\$21,460.00	14.00	\$8,120.00	-	\$0.00	12.00	\$6,960.00	0.00	\$0.00	26.00	\$15,080.00
19	Salvage and Delivery of Existing Hydrants	1 LS	\$750.00	\$750.00	-	\$0.00	-	\$0.00	-	\$0.00	0.00	\$0.00	-	\$0.00
20	Existing 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
21	Erosion Control	1 LS	\$3,700.00	\$3,700.00	-	\$0.00	0.33	\$1,221.00	-	\$0.00	0.33	\$1,221.00	0.66	\$2,442.00
22	Traffic Control	1 LS	\$5,100.00	\$5,100.00	-	\$0.00	-	\$0.00	-	\$0.00	0.00	\$0.00	-	\$0.00
23	6-inch PVC Storm Sewer, Class 150 With Cleanouts, 3/4-inch T.B.B.F.	360 LF	\$52.00	\$18,720.00	358.00	\$18,616.00	-	\$0.00	-	\$0.00	0.00	\$0.00	358.00	\$18,616.00
24	Core Connection to Tower, Install 2-inch PVC Schedule 40 Interior Drain	1 LS	\$9,400.00	\$9,400.00	1.00	\$9,400.00	-	\$0.00	-	\$0.00	0.00	\$0.00	1.00	\$9,400.00
E-1	1-1/4-inch Water Service Laterals (Polyethylene) C.O.S.	131 EA	\$1,600.00	\$209,600.00	0.00	\$0.00	-	\$0.00	-	\$0.00	123.00	\$195,800.00	123.00	\$195,800.00
<b>TOTAL (Items 1-24)</b>						<b>\$415,610.15</b>		<b>\$149,585.93</b>		<b>\$399,541.02</b>		<b>\$628,585.00</b>		<b>\$1,593,322.10</b>

Total Completed to Date \$1,593,322.10  
 Allowance for Testing and Approval (10% of Total Completed to Date) -\$159,332.21  
 Subtotal 1 (Total Complete minus Allowance for Testing and Approval) \$1,433,989.89  
 Retainage (5% of Subtotal 1 up to a Maximum of \$44,378.50) -\$44,378.50  
 Subtotal 2 (Subtotal 1 less Retainage) \$1,389,611.39  
 Less Previous Payments -\$687,375.18  
**TOTAL PAYMENT DUE THIS PERIOD \$702,236.21**

Recommended for Commission Approval by:  Date: 7-7-2015  
 Progress Payment 4

OAK CREEK WATER AND SEWER UTILITY  
PROGRESS PAYMENT

PROJECT NO. 15101 - 27th Street Hydrant Relocations and Water Main Relay

Item No.	Item Description	Quantity	MJ Construction		Partial Payment 1 April 14, 2015		Partial Payment 2 May 12, 2015		Partial Payment 3 June 16, 2015		Partial Payment 4 July 14, 2015		Total Complete		
			Unit Price	Total Price	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	
1	12" PVC Water Main, Gran. B.F., Pavement Restoration	210	LF	\$30,030.00	-	\$0.00	-	\$0.00	179.00	\$9,581.00	179.00	\$25,597.00	246.00	\$35,178.00	
2	12" PVC Water Main, Gran. B.F., Turf Rest.	350	LF	\$119.00	\$41,650.00	8.00	\$952.00	-	\$0.00	159.40	\$18,968.60	0	\$0.00	167.40	\$19,920.60
3	12" PVC Water Main, Slurry B.F.	545	LF	\$175.00	\$95,375.00	-	\$0.00	-	\$0.00	-	\$0.00	0	\$0.00	-	\$0.00
4	16" D.I. Water Main, Gran. B.F., Asphalt Rest.	75	LF	\$220.00	\$16,500.00	72.00	\$15,840.00	-	\$0.00	-	\$0.00	0	\$0.00	72.00	\$15,840.00
5	16" D.I. Water Main, Gran. B.F., Turf Rest.	972	LF	\$190.00	\$184,680.00	88.00	\$16,720.00	670.00	\$127,300.00	203.60	\$38,694.00	0	\$0.00	961.60	\$182,704.00
6	16" D.I. Water Main, Slurry B.F.	55	LF	\$215.00	\$11,825.00	-	\$0.00	-	\$0.00	-	\$0.00	38.00	\$8,170.00	38.00	\$8,170.00
7	16" Butterfly Valve	2	EA	\$3,100.00	\$6,200.00	-	\$0.00	1.00	\$3,100.00	1.00	\$3,100.00	0	\$0.00	2.00	\$6,200.00
8	12" Gate Valve	6	EA	\$2,600.00	\$15,600.00	1.00	\$2,600.00	-	\$0.00	1.00	\$2,600.00	1.00	\$2,600.00	3.00	\$7,800.00
9	Hydrant Assembly	8	EA	\$2,200.00	\$17,600.00	-	\$0.00	3.00	\$6,600.00	1.00	\$2,200.00	1.00	\$2,200.00	5.00	\$11,000.00
10	Connect to Existing 12" Water Main	7	EA	\$6,000.00	\$42,000.00	1.00	\$6,000.00	-	\$0.00	-	\$0.00	1.00	\$6,000.00	2.00	\$12,000.00
11	Connect to Existing 16" Water Main	6	EA	\$7,300.00	\$43,800.00	-	\$0.00	1.00	\$7,300.00	3.00	\$21,900.00	2.00	\$14,600.00	6.00	\$43,800.00
12	Connect to Existing 20" Water Main	1	EA	\$12,400.00	\$12,400.00	-	\$0.00	-	\$0.00	-	\$0.00	0	\$0.00	-	\$0.00
13	Temporary Hydrant Extensions	13	VF	\$580.00	\$7,540.00	3.50	\$2,030.00	1.00	\$580.00	-	\$0.00	0	\$0.00	4.50	\$2,610.00
14	Hydrant Extensions	37	VF	\$480.00	\$17,760.00	1.00	\$480.00	1.50	\$720.00	-	\$0.00	0	\$0.00	2.50	\$1,200.00
15	1-1/4" HDPE Water Service	1	EA	\$4,300.00	\$4,300.00	-	\$0.00	-	\$0.00	-	\$0.00	0	\$0.00	-	\$0.00
16	6" PVC Water Service	1	EA	\$7,500.00	\$7,500.00	-	\$0.00	-	\$0.00	-	\$0.00	0	\$0.00	-	\$0.00
17	8" PVC Water Service	1	EA	\$8,200.00	\$8,200.00	-	\$0.00	-	\$0.00	-	\$0.00	0	\$0.00	-	\$0.00
18	Hydrant Alteration - Rouse Existing Hydrant	10	EA	\$6,300.00	\$63,000.00	11.00	\$69,300.00	-	\$0.00	-	\$0.00	0	\$0.00	11.00	\$69,300.00
19	Hydrant Alteration - Furnish and Install New Hydrant	5	EA	\$9,950.00	\$49,750.00	3.00	\$29,850.00	-	\$0.00	-	\$0.00	0	\$0.00	3.00	\$29,850.00
20	Hydrant Relocation - Rouse Existing Hydrant	3	EA	\$9,500.00	\$28,500.00	1.50	\$14,250.00	-	\$0.00	-	\$0.00	0	\$0.00	1.50	\$14,250.00
21	Hydrant Relocation - Furnish and Install New Hydrant	5	EA	\$10,950.00	\$54,750.00	3.50	\$38,325.00	-	\$0.00	-	\$0.00	0	\$0.00	3.50	\$38,325.00
22	Hydrant Abandonment	8	EA	\$1,500.00	\$12,000.00	-	\$0.00	3.00	\$4,500.00	1.00	\$1,500.00	0	\$0.00	4.00	\$6,000.00
23	Abandoning Sanitary Force Main Manholes	3	EA	\$1,000.00	\$3,000.00	-	\$0.00	-	\$0.00	3.00	\$3,000.00	0	\$0.00	3.00	\$3,000.00
24	Erosion Control	1	LS	\$200.00	\$200.00	0.25	\$50.00	-	\$0.00	-	\$0.00	0	\$0.00	0.25	\$50.00
25	Traffic Control	1	LS	\$300.00	\$300.00	0.00	\$0.00	-	\$0.00	-	\$0.00	0	\$0.00	-	\$0.00
<b>TOTAL (Items 1-25)</b>					<b>\$774,460.00</b>	<b>\$196,397.00</b>	<b>\$150,100.00</b>	<b>\$101,533.60</b>	<b>\$59,167.00</b>	<b>\$507,197.60</b>					

Total Completed To Date \$507,197.60  
 Allowance for Testing and Approval (10% of Total Completed to Date) -\$50,719.76  
 Subtotal 1 (Total Complete minus Allowance for Testing and Approval) \$456,477.84  
 Retainage (5% of Subtotal 1 up to a Maximum of \$19,361.50) -\$19,361.50  
 Subtotal 2 (Subtotal 1 Less Retainage) \$437,116.34  
 Less Previous Payments -\$361,784.71  
**TOTAL PAYMENT DUE THIS PERIOD \$75,331.63**

Recommended for Commission Approval by:  Date: 7-7-2015  
 Progress Payment 4

## PLANT OPERATIONS

June, 2015

<b>PUMPAGE REPORT</b>	<b>2015 (pumpage in gallons)</b>	<b>2014 (pumpage in gallons)</b>	<b>Percentage of Change</b>
Monthly pumpage	242,220,000	239,997,000	+1.0
Monthly average day	8,074,000	8,000,000	+1.0
Monthly peak day	9,820,000 (6/4/15)	11,030,000 (6/16/14)	-11.0
Yearly pumpage	1,308,276,000	1,328,526,000	-2.0
Yearly average day	7,228,000	7,340,000	-2.0
Yearly peak day	9,820,000 (6/4/15)	11,450,000 (5/24/14)	-14.0
West zone pumpage	111,930,000	129,650,000	-14.0

<b>WATER QUALITY REPORT</b>	<b>Raw Water</b>	<b>Finished Water</b>
Average free chlorine		1.52 mg/l
Total chlorine		1.70 mg/l
Average alkalinity	110.8 mg/l	111.1 mg/l
Average pH	8.5	8.2
Average fluoride	0.10 mg/l	0.71 mg/l
Average turbidity	2.37 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 131 preventative maintenance tasks, 2 miscellaneous work orders, and 2 safety sessions during the month.

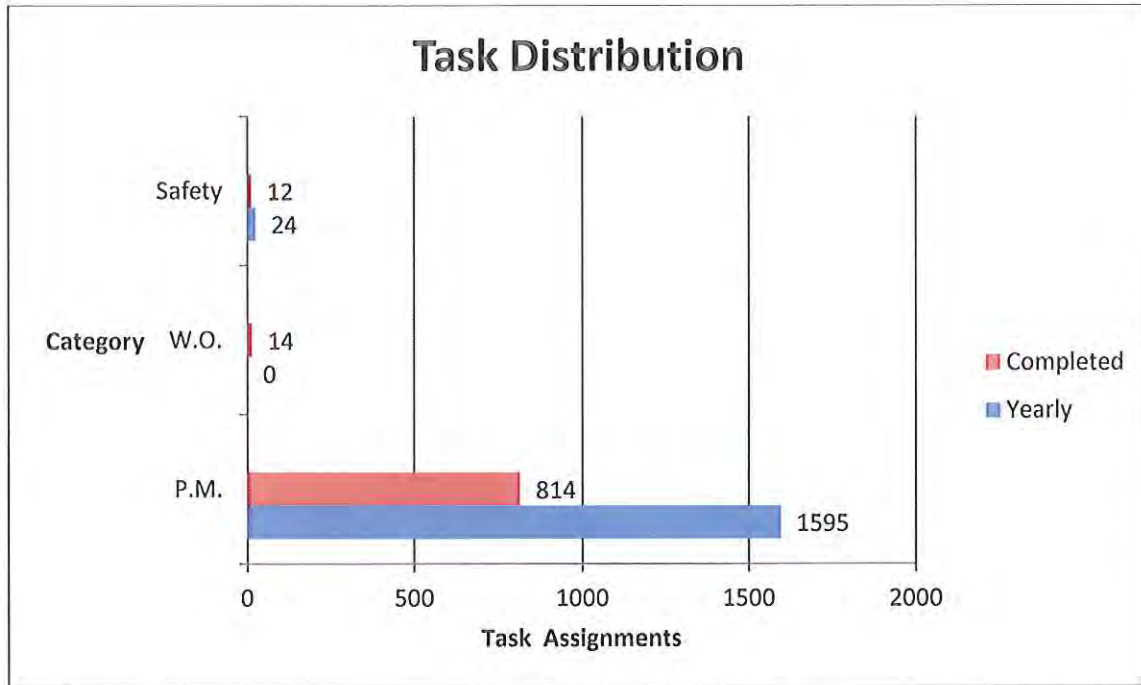
**CT Tank Project:** Plant Manager Francis attended one progress meeting for the CT tank project.

**Operator Position:** Applications closed for the operator position on June 12. Twelve applicants were offered the opportunity to proceed to the testing portion of the application process. Nine applicants registered for the testing portion which will be administered on July 7 at the Utility headquarters building.

**Chemical Induction Mixer:** The rebuilt chemical induction mixer was installed the week of June 21 and is operational.

**Janat Booster Pump Station:** On June 22 a ¾ inch elbow failed on the control piping for pump

#4. This resulted in water being sprayed against the north wall and up into the ceiling. The water soaked the drywall and collapsed a portion of the ceiling. Operator Messerschmidt has contacted area contractors for repair estimates.



## **DISTRIBUTION & COLLECTION OPERATIONS**

**June 2014**

### **Water Main Break:**

On June 2<sup>nd</sup> the Utility repaired a water leak at 6680 South 21<sup>st</sup> Street on a 6" CIP water main that had a circumferential break.

On June 25<sup>th</sup> the Utility repaired a water leak at 2244 West Sycamore Avenue on a 8" CIP water main that had a corrosion hole.

### **Water Lateral Repair:**

On June 12<sup>th</sup> a crew was sent to repair the water lateral at 6770 South Ash Street. When the 1 1/4" copper water lateral was excavated, the crew found that the flare at the curb stop had failed on the home owner's side.

### **Fire Hydrant Repairs:**

In the month of June Utility Workers added extensions on four fire hydrants on West Ryan Road.

### **Water Valve Repair:**

On June 4<sup>th</sup> a crew was sent to excavate a water valve at 2024 West Wood Avenue that was leaking. After exposing the valve, they found that the bonnet bolts had corroded away.

### **Miscellaneous:**

Utility crews worked on roadway and landscaping restoration from water main breaks from over the winter.

In the month of June Utility workers spent time on Howell Avenue creating a punch list for valves and manholes that the contractor needs to fix.

DISTRIBUTION GOALS 2015

JOB DESCRIPTION	GOALS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
Meter Testing & Exchanges	400	42	191	78	60	10	11							392
New Installs	30	4	5	4	5	5	2							25
Cross Connection Inspections	200	39	104	41	36	7	29							256
Industrial Inspections	8	8	-	-	28	74	69							179
Trace Replacements	200	36	118	41	37	4	30							266
Water Main Repairs		-	2	3	1	2	2							10
Water Lateral Repairs		1	1	1		2	1							6
Annual Hydrant Flushing	2,128				1,525	498								2,023
Semi-annual Flushing	645													-
Quarterly Flushing	74x4	74												74
Flush Emergency Connections	3													-
Watermain Crossings	63	63												63
Hydrant Greasing - Caps	2,128	50			1,525	498								2,073
Hydrant Greasing - Packing	200						297							-
Hydrant Painting	500					94								391
Winterize Hydrants	58													-
Clean Sewers	185,000	14,194.0	6,458.9	3,208.4	9,624.0	14,428.8	29,426.0							77,340.1
Camera Sewers	185,000	15,009.0	6,458.9	3,208.4	10,725.0	15,037.0	13,747.0							64,185.3
Check Problem Sewers	4x34	34			28									62
Check Remote Sewer Mains	40													-
Check Remote Water Mains	25													-
Operate Valves	1,000	4	5	8	4	15	6							42
Valve Boxes Repaired or Adjusted					4	4	2							10
Stop Boxes Repaired or Adjusted					8	8	6							22
Concrete/Asphalt/Landscaping						8	8							16
Grout Manholes	25			27										27
Catholic Protection Tests	11													-
Winterize Equipment					1									0
Summerize Equipment					10									1
Run All Equipment														10
MMSD Annual CMOM Report							Done							0
DNR eCMAR							Done							0



## ADMINISTRATIVE OPERATIONS

June 2015

### Comprehensive Annual Financial Report:

The Utility's Comprehensive Annual Financial Report (CAFR) has been printed and assembled. Three copies were submitted to the Government Finance Officers Association for the 2014 Certificate of Achievement Award. Baker Tilly Virchow Krause, LLP issued their unqualified opinion letter on the financial statements, dated June 15, which is included in the CAFR.

### Auditor's Report on Internal Control:

Baker Tilly Virchow Krause, LLP issued their Report on Internal Control for the Utility. It is stated in this report that "we did not identify any deficiencies in internal control that we consider to be material weaknesses."

### Training:

Accounting Supervisor Stenzel and Utility Clerk Uttke attended the Wisconsin Water Association Customer Service seminar in Lake Geneva on June 3.

Accounting Supervisor Stenzel and Senior Accountant Leranath attended a Payroll Law seminar in Brookfield on June 10.

### Online Payments Update:

The Utility currently has 339 customers registered for online services through PSN. Of these registered customers, 156 have opted out of receiving paper bills. With our break-even point calculated at 200 bills, we are already very close to meeting our goal. Overall, the online service is running smoothly for both staff and customers.

### Workload:

Other administrative tasks included the following:

1. Added 3 customer accounts.
2. Billed 4,953 water customers and 5,030 sewer customers.

### Gallons Billed (in thousands):

	YTD 2015	YTD 2014	YTD 2013	YTD 2012	YTD 2011	Average
Residential	200,627	204,743	205,808	216,125	208,248	207,110
Commercial	208,702	208,861	198,476	206,296	275,604	219,588
Industrial	189,936	197,660	188,081	170,993	109,859	171,306
Public Authority	11,614	8,915	10,554	11,214	9,534	10,366
Wholesale	566,838	542,873	534,778	552,268	557,842	550,920
Total	1,177,717	1,163,052	1,137,697	1,156,896	1,161,087	1,159,290
% Incr (Decr)	1.3%	2.2%	-1.7%	-0.4%		

**New Customers:**

	YTD 2015	YTD 2014	YTD 2013	YTD 2012	YTD 2011	Average
Residential	12	12	19	20	21	16.8
Commercial	6	1	1	1	1	2.0
Industrial	1	0	0	0	0	0.2
Public Authority	1	0	0	0	0	0.2
Wholesale	0	0	0	0	0	-
Total	<u>20</u>	<u>13</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>19</u>
% Incr (Decr)	53.8%	-35.0%	-4.8%	-4.5%		

## **ENGINEERING OPERATIONS**

June 2015

### **27<sup>th</sup> Street Hydrant Relocation and Water Main Relay**

The contractor has completed the work at 27<sup>th</sup> Street and Drexel Avenue. They have also finished the 16" water main crossing/vertical offset that feeds Franklin at the intersection of 27<sup>th</sup> Street and Rawson Avenue. All work in phase one of the WisDOT project is complete. The contractor will resume work when WisDOT commences the second phase of their work in which all traffic in the corridor will be switched to the west side of 27<sup>th</sup> Street. WisDOT intends to switch traffic on or about July 10.

### **Cedar Hills Water Main Relay**

UPI LLC has completed the majority of the water main work and water laterals. Remaining work on this project includes connections at 20<sup>th</sup> Street and Wood Avenue, the 12" connection at Sycamore Tower, miscellaneous valve abandonments, and final paving. The project is ahead of schedule and should be completed by the end of July which is approximately 30 days ahead of schedule.

### **CT Tank Compliance Project/2016 Water Treatment Plant Improvement Project**

Ramboll Environ has conducted its investigation to determine the extent of the contamination through 15 additional soil borings. Preliminary results have shown a significant amount of contamination in the area of the new tank. They will provide an analysis of the cost to handle and remove the soil during construction (excavation for the new tank). This cost will be compared with the cost of simply adding piles to the foundation of the tank to determine which course of action is more cost effective. The addition of piles to the foundation is also dependant upon approval from WDNR.

Utility Engineer Pritzlaff was notified by WDNR that the interest rate for the Safe Drinking Water Loan for the project has been adjusted by the Department of Administration from 1.65% up to 1.7875%.

The Public Services Commission (PSC) construction authorization process is on-going for the project. Jeff Stone of the PSC requested that the Utility meet with the City of Franklin to discuss the project and their opposition to it. General Manager Sullivan had already discussed the project with the City of Franklin during a water treatment plant tour with Franklin's DPW Director. However, he did reach out to the City of Franklin DPW Director for a second time and discussed the project with him. No meeting has been set, nor has there been any resolution to the City of Franklin's objection to the project. Thus, the construction authorization process will continue to cause delays in the project overall. Delays can cause problems with financing the project. As illustrated above, the interest rate is subject to change based on the Wisconsin Department of Administration's assessment of market conditions. As delays continue to mount, the Utility is more susceptible to changes in the market, and thus, changing interest rates.

CH2M has been conducting internal quality control reviews of the project and addressing WDNR comments from Larry Landsness. They have issued a new set of drawings based on their review process with additional details that also address WDNR's comments.

## East Forest Hill Avenue Water Main Replacement Project (Design Only)

Date: July 14, 2015

**RECOMMENDATION:** That the Commission consider a motion to approve the design of the Forest Hill Water Main Replacement Project in the amount of \$20,000.00 and to amend the capital budget by the same.

The Utility has identified the stretch of water main in East Forest Hill Avenue between South Howell Avenue and South Verdev Drive to have exceeded the Utility Partnership for Safe Water goal of 0.15 breaks per year per mile of pipe. In fact, this short 1,100' stretch of pipe has become one of the worst in the City of Oak Creek in terms of water main break frequency. Within the last five years, there have been four water main breaks in this stretch. Consequently, the Utility has had to patch this road on several occasions because of the high break frequency.

The City of Oak Creek has placed a high priority on re-paving this road next year. As part of a coordinated effort, the Utility would complete the water main relay and pave the south half of East Forest Hill in early 2016 followed by a City of Oak Creek project to repave the other half of East Forest Hill in the summer of 2016.

Funding for this project will only include the following:

- 1) Initial survey
- 2) Plan preparation
- 3) Contract specifications

The goal is to prepare the bid documents such that the project is ready to be bid in January 2016 with an approximate construction start date of March 2016.

