

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, June 18, 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 13th day of June, 2019.

/s/ Michael J. Sullivan
General Manager

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

<u>TIME</u>	<u>DATE</u>	<u>LOCATION</u>
9:00 am	Tuesday June 18, 2019	Headquarters Building 170 West Drexel Avenue

1.0 OPENING OF MEETING

- 1.1 Roll Call
- 1.2 Minutes Approval - Regular Meeting 05-14-19

2.0 CLOSED SESSION

- 2.1 Closed session in accordance with Section 19.85 (1) (g) of the Wisconsin State Statutes for the following purpose:
 - A. Timothy Doyle's \$677.53 Claim for Wheel and Tire Damage

3.0 PROJECT APPROVALS

4.0 MISCELLANEOUS MATTERS

- 4.1 Update Public/Private Policy for Separated Domestic Laterals
- 4.2 Clark Dietz Electrical Feasibility Amendment
- 4.3 RA Smith Amendment Jewell Lift station
- 4.4 SCADA Software Upgrade
- 4.5 Roof Air Conditioning Unit Replacement-Plant

5.0 FINANCIAL MATTERS

- 5.1 Project Payment Approval
- 5.2 Voucher Approval
- 5.3 Utility Investments
- 5.4 Financial Statements

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

Policy for Private/Public Water and Sanitary Sewer for New Developments

Date: June 18, 2019

RECOMMENDATION: That the Commission consider a motion to revise the policy for Private/Public Water and Sanitary Sewer for New Developments.

The Utility Commission approved the Private/Public Water and Sanitary sewer for New Development policy at the May 11, 2010 meeting. This policy allowed for the domestic water lateral to be split off the oversized fire line at the property line. The issue arises with the developments that due to the building size require large fire protection lines but relative low flow from the domestic demand. This low demand does not adequately turn over the water stored in the oversized main. By requiring the domestic line to be tapped directly to the main it will ensure that the domestic line is sized for the demand of the building. The Utility prides itself on a commitment to water quality and the commitment extends to the end user. The revised policy will direct all new sites to have a separate fire tap and domestic tap at the main unless an exception is approved by the Utility Engineer.

Amendment #5 to the Professional Services Agreement with Clark Dietz, Inc.

Date: June 18, 2018

RECOMMENDATION: That the Commission consider a motion to authorize the Utility Engineer to amend the existing professional services agreement with Clark Dietz Inc. for producing an electrical feasibility study at the water treatment plant in the not to exceed amount of \$25,500 and amend the capital budget by the same.

The Utility needs to assess the feasibility of upgrading the 2.4kV electrical distribution facilities at the water treatment plant. The upgrades to the electrical distribution system will address the immediate need to mitigate operational issues with existing 1970's era 2.4kV switchgear while also providing the capabilities to interface with future electrical upgrades. Clark Dietz has submitted the draft electrical feasibility study to the Utility. We have requested additional information to be gathered and reviewed for the evaluation of the system. This has generated the need for the additional funding.

**Professional Services Agreement with raSmith for Jewell Street Lift Station
Abandonment Design Services**

Date: June 18, 2019

RECOMMENDATION: That the Commission consider a motion to authorize the Utility Engineer to enter into an agreement with raSmith for providing general engineering services in the design of a gravity sanitary sewer system in order to abandon the Jewell Street lift station in the not to exceed amount of \$68,000.

The Commission authorized the Utility Engineer to enter into a contract with raSmith at the June 20, 2017 Commission meeting for the Jewell Lift Station abandonment project. The initial sanitary study to run gravity sewer was rejected since it was very flat. After evaluating the rehabilitation of the existing lift station and estimated costs, we decided to reevaluate the gravity sewer. The gravity sewer can be accomplished with some understanding that this system will be flat. This could add some routine flushing requirements in the line. This will still be less maintenance and cost than reconstructing the lift station. In the 2017 Capital Improvement budget \$530,000 was approved for the Jewell Lift Station abandonment project. This agreement will design the gravity sewer to replace the lift station. The Utility will need to obtain easements for the sewer to be installed.

Rockwell Software Upgrade

Date: June 18, 2019

RECOMMENDATION: That the Commission consider a motion to authorize the Utility Engineer to execute a quote for Factory Talk SCADA software upgrade with Rockwell Automation in the amount of \$22,419.06

The treatment plant currently uses Rockwell Automation SCADA RSView 32 software to run the plant. This software has been in operation for almost 20 years. The RSView 32 software is dated and a new software version is available. As part of the Capital Improvement Project to upgrade the computers in the control room, the SCADA software is being upgraded as well. We have worked with our Consultant to evaluate the options for the different software platforms available. It has been determined that Rockwell Factory Talk software is the preferred software package. This is a great time to upgrade the software with the new control computers being installed at this time.

Replacement of One Roof Air Conditioning Unit

Date: June 18, 2019

RECOMMENDATION: That the Commission consider a motion to authorize the Treatment Plant Manager to enter into an agreement with United Mechanical Inc. for the replacement of one condensing unit and coil on the treatment plant air conditioning unit.

The treatment plant air conditioner is a Trane dual unit that has been running on one side for the last two seasons. Due to the age of the units, repair and re-charge with new R-410A refrigerant would be very expensive. It is recommended that the coil be replaced with the change of refrigerant from R-22 to R-410A

Three Mechanical Contractors were brought in to assess the replacement.

Brenner Corporation	\$45,887.00
J.F. Ahern Co.	\$24,216.00
United Mechanical Inc.	\$17,993.41

United Mechanical is recommended for this project based on cost and ability to complete the work.

OAK CREEK WATER AND SEWER UTILITY
PROGRESS PAYMENT REPORT

PROJECT NO. 18108-I-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		Partial Payment No. 4 June 18, 2019		PROJECT TOTAL	
					Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1	16" DI Water Main, Spoil Backfill	217	LF \$350.00	\$75,950.00		\$0.00	219.00	\$76,650.00		\$0.00		\$0.00	219.00	\$76,650.00
2	16" DI Water Main, inside 30" Steel Casing	200	LF \$890.00	\$178,000.00	50.00	\$44,500.00	150.00	\$133,500.00		\$0.00		\$0.00	200.00	\$178,000.00
3	24" DI Water Main, Spoil Backfill	85	LF \$325.00	\$27,625.00		\$0.00		\$0.00	116.00	\$37,700.00		\$0.00	116.00	\$37,700.00
4	24" DI Water Main, inside 42" Steel Casing	277	LF \$1,040.00	\$288,080.00		\$0.00		\$0.00	277	\$288,080.00		\$0.00	277.00	\$288,080.00
5	Connect to Existing 16" Water Main	1	EA \$15,000.00	\$15,000.00		\$0.00	1.00	\$15,000.00		\$0.00		\$0.00	1.00	\$15,000.00
6	Connect to Existing 24" Water Main	3	EA \$17,000.00	\$51,000.00		\$0.00	1	\$17,000.00	2	\$34,000.00		\$0.00	3.00	\$51,000.00
7	24" Butterfly Valve & Valve Box	1	EA \$10,000.00	\$10,000.00		\$0.00		\$0.00	1	\$10,000.00		\$0.00	1.00	\$10,000.00
8	1-1/4" Water Lateral, corporation, tap, and curb stop	1	EA \$10,000.00	\$10,000.00	1.00	\$10,000.00		\$0.00		\$0.00		\$0.00	1.00	\$10,000.00
9	Hydrant Assembly	1	EA \$10,000.00	\$10,000.00		\$0.00		\$0.00		\$0.00		\$0.00	1.00	\$10,000.00
10	Silt Fence	790	LF \$7.00	\$5,530.00	374.00	\$2,618.00		\$0.00		\$0.00		\$0.00	374.00	\$2,618.00
11	Site Restoration - Topsoil, Seed, Mulch & Fertilize	1	LS \$55,000.00	\$55,000.00		\$0.00	0.50	\$27,500.00		\$0.00		\$0.00	0.50	\$27,500.00
12	Site Clearing	1	LS \$24,000.00	\$24,000.00	0.5	\$12,000.00		\$0.00	0.5	\$12,000.00		\$0.00	1.00	\$24,000.00
13	Removal and Restoration of DOT Chain Link Fence	1	LS \$24,000.00	\$24,000.00	0.5	\$12,000.00		\$0.00		\$0.00		\$0.00	0.50	\$12,000.00
14	Erosion Control	1	LS \$7,000.00	\$7,000.00		\$0.00	1	\$3,500.00		\$0.00		\$0.00	0.50	\$12,000.00
15	Tracking Pad	4	EA \$7,000.00	\$28,000.00		\$0.00		\$0.00		\$0.00		\$0.00	0.50	\$3,500.00
16	Traffic Control (Project)	1	LS \$40,000.00	\$40,000.00	2.00	\$14,000.00		\$0.00	1.00	\$7,000.00	1.00	\$7,000.00	4.00	\$28,000.00
17	Anode Bed Modification	1	LS \$40,480.00	\$40,480.00	0.25	\$10,000.00		\$10,000.00	0.25	\$10,000.00		\$0.00	0.75	\$30,000.00
TOTAL ITEMS 1-27 (inclusive)						\$105,118.00		\$293,150.00		\$398,780.00		\$47,480.00		\$844,528.00

Sub-Total Completed To Date \$844,528.00
 Less Allowance for testing and approval 0% \$0.00
 Less Retainage (5% to 50% complete) 5% -\$22,241.63
 Total \$822,286.38
 Less Previous Payments \$734,953.98
TOTAL PAYMENT DUE THIS PERIOD \$87,332.40

Recommended for Commission Approval by: *B. J. J. J.* Date: 6-5-19

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: 5
 PERIOD TO: 5/24/19

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

VIA (ARCHITECT):
 CH2M Hill
 135 S. 84th St.
 Milwaukee, WI 53214

CONTRACT FOR: General Construction
 ARCHITECT'S PROJECT NO: 460402
 CONTRACT DATE: 10/1/18

Distribution to:
 OWNER
 ARCHITECT
 CONTRACTOR

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: *John Sackerson* Date: 5/23/2019

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.

AMOUNT CERTIFIED \$34,690.09

(Attach explanation if amount certified differs from the amount applied for.)
 ARCHITECT: *Richard Siebers*

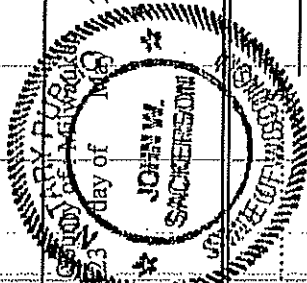
By: _____ Date: 5-29-2019

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 \$ 167,300.07
 (Column G on G703)
5. RETAINAGE:
 a. 5 % of 50% of Contract \$ 5,701.91
 (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) \$ 5,701.91
6. TOTAL EARNED LESS RETAINAGE \$ 161,598.16
 (Line 4 less Line 5 Total)
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificates) \$ 126,908.07
8. CURRENT PAYMENT DUE \$ 34,690.09
9. BALANCE TO FINISH, PLUS RETAINAGE \$ 66,478.39
 (Line 3 less Line 6)

State of: Wisconsin
 Subscribed and sworn to before me this 23rd day of May, 2019

Notary Public: *John Sackerson*
 My Commission expires: 11/17/22



Application Number: 5
 Application Date: 5/23/2019
 Period To: 5/23/2019
 Architect's Project No:

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		E WORK COMPLETED		F MATERIALS PRESENTLY 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)	THIS PERIOD	FROM PREV. APPLICATION (D+E)	THIS PERIOD				
1	Bond	3,000.00	3,000.00	0.00	3,000.00	0.00	0.00	3,000.00	0.00	0.00
2	Submittals	4,000.00	3,800.00	0.00	3,800.00	0.00	200.00	3,800.00	200.00	0.00
3	Mobilization	6,000.00	6,000.00	0.00	6,000.00	0.00	0.00	6,000.00	0.00	0.00
4	Demolition	20,000.00	15,000.00	0.00	15,000.00	0.00	0.00	15,000.00	5,000.00	0.00
5	Masonry	45,000.00	40,500.00	0.00	40,500.00	0.00	0.00	40,500.00	4,500.00	0.00
6	Carpentry	5,000.00	750.00	1,750.00	1,750.00	0.00	0.00	2,500.00	2,500.00	0.00
7	Frames, Doors & Hardware	7,000.00	7,000.00	0.00	7,000.00	0.00	0.00	7,000.00	0.00	0.00
8	Drywall	2,800.00	0.00	2,800.00	2,800.00	0.00	0.00	2,800.00	0.00	0.00
9	Tile	16,000.00	11,200.00	0.00	11,200.00	0.00	0.00	11,200.00	4,800.00	0.00
10	Acoustical	4,100.00	0.00	3,075.00	3,075.00	0.00	0.00	3,075.00	1,025.00	0.00
11	Paint	8,600.00	0.00	6,020.00	6,020.00	0.00	0.00	6,020.00	2,580.00	0.00
12	Toilet Partitions	5,000.00	0.00	2,500.00	2,500.00	0.00	0.00	2,500.00	2,500.00	0.00
13	Toilet Accessories	2,700.00	0.00	1,350.00	1,350.00	0.00	0.00	1,350.00	1,350.00	0.00
14	Lockers	10,500.00	0.00	2,625.00	2,625.00	0.00	0.00	2,625.00	7,875.00	0.00
15	Window Shades	900.00	0.00	0.00	0.00	0.00	0.00	0.00	900.00	0.00
16	Plumbing	40,000.00	24,000.00	4,000.00	4,000.00	0.00	0.00	28,000.00	12,000.00	0.00
17	HVAC	23,000.00	11,500.00	4,600.00	4,600.00	0.00	0.00	16,100.00	6,900.00	0.00
18	Electrical	19,900.00	5,970.00	5,970.00	5,970.00	0.00	0.00	11,940.00	7,960.00	0.00
101	CO #1	4,576.55	3,890.07	0.00	3,890.07	0.00	0.00	3,890.07	686.48	0.00
Totals		228,076.55	132,610.07	34,690.00	34,690.00	0.00	0.00	167,300.07	60,776.48	0.00

OAK CREEK WATER & SEWER UTILITY

Approved by *R. J. [Signature]*

Date 5-29-19

ADMINISTRATIVE OPERATIONS
May 2019

Comprehensive Annual Financial Report:

A draft copy of the Comprehensive Annual Financial Report (CAFR) has been completed for the year 2018. Baker Tilly is in the process of performing their final review of the audit and CAFR, and will issue their opinion letter once it's complete. The report will then be printed and assembled in-house during June.

MMSD Survey:

Senior Accountant Leranth worked with the inspection department at City Hall to complete the annual MMSD surveys. These surveys consist of a Household Hazardous Waste Program Survey and a Housing Survey, which are both used by MMSD to determine future rates.

Fixed Assets:

Senior Accountant Leranth updated the Utility's continuing property records for 2018. This process involves the recording of detailed descriptions, quantities and costs for all additions, as well as removing retirements at historical costs.

Training:

Accounting Supervisor Stenzel attended a Baker Tilly webinar on Responding to Emerging Risks in Public Utilities on May 9.

Workload:

Other administrative tasks included the following:

- Added 1 customer account for the month.
- Billed 3,306 water customers and 3,423 sewer customers.

Gallons Billed (in thousands):

	YTD 2019	YTD 2018	YTD 2017	YTD 2016	YTD 2015	Average
Residential	136,594	138,791	137,369	137,955	139,190	137,980
Commercial	171,416	165,780	178,382	168,140	169,475	170,639
Industrial	198,781	192,324	164,562	148,071	155,492	171,846
Public Authority	5,143	5,475	5,304	6,603	9,764	6,458
Wholesale	470,419	448,815	441,170	478,915	503,032	468,470
Total	982,353	951,185	926,787	939,684	976,953	955,393
% Change to Prior Year	3.3%	2.6%	-1.4%	-3.8%	N/A	
% Change to Average	2.8%	-0.4%	-3.0%	-1.6%	2.3%	

New Customers:

	YTD 2019	YTD 2018	YTD 2017	YTD 2016	YTD 2015	Average
Residential	4	15	11	10	10	10.0
Commercial	8	8	10	9	5	8.0
Industrial	0	0	0	0	1	0.2
Public Authority	0	0	0	1	1	0.4
Wholesale	0	0	0	0	0	-
Total	12	23	21	20	17	18.6

New Residential Customers (YTD 2019):

9001 S. 15th Avenue, 8850 S. 6th Avenue, 1800 E. Lilac Lane, 8426 S. Nighthawk Trail

New Commercial Customers (YTD 2019):

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

ENGINEERING OPERATIONS

May 2019

Wildwood Drive Water and Sewer Replacement Project

The project was awarded to Willkomm Excavating and Grading. Construction has begun on the project. The water main is being replaced from the south to the north. The water main lining will be the last piece as we are waiting on DNR approval of the contractors lining material. The sanitary sewer will be completed at the same time as the water. Work is expected to be completed by August.

Development Project with Utility Construction

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

Amazon (13th Street and Ryan Road)

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

Creekside Crossing Marketplace (south of IKEA)

DISTRIBUTION & COLLECTION OPERATIONS

May 2019

Water Main Breaks:

On May 20th at 3945 East High Street while televising the sewer main a large amount of water was found entering a manhole. After investigating it was determined there was a break on the water main. The area was excavated and a circumferential break was found on the 6" CIP next to the manhole. The crew replaced 66" of main to complete the repair. The water main was installed around 1920.

Water Lateral Repair:

There were no water lateral repairs in the month of May.

Valve Repair:

On May 23rd a crew was sent to South Nicholson Road and East Randy Road to repair an 8" gate valve. During the valve exercising program the packing started leaking. After excavating the valve, the crew replaced the packing bolts. The valve was installed in 1982.

Fire Hydrant Repairs:

On May 3rd a crew was sent to 9850 South Nicholson Road to repair a Kennedy hydrant. The break-away flanges on the hydrant were found broken during flushing.

On May 3rd a crew was sent to 3243 East James Drive to repair a Kennedy hydrant. The break-away flanges on the hydrant were found broken during flushing.

On May 8th a crew was sent to 4238 East Elm Road to repair a Mueller hydrant that would not shut off after being flushed. The lower shaft had corroded off and needed replacing.

On May 9th a crew was sent to 331 East Puetz Road to repair an Iowa hydrant that would not shut off. The operating arm was found broken and was replaced.

On May 9th a crew was sent to 8220 Alisa Lane to repair a Mueller hydrant that would not shut off after being flushed. The lower shaft had corroded off and needed replacing.

On May 10th a crew was sent to 7200 South 10th Street to repair a Mueller hydrant that would not shut off after being flushed. The main valve rubber needed replacing.

On May 10th a crew was sent to 7850 South Howell Avenue to repair an Iowa hydrant that would not operate. The packing on the operating nut needed rebuilding.

On May 17th a crew was sent to 450 East Oak Lane to repair a Mueller hydrant that would not shut off. The lower shaft had corroded off and needed replacing.

On May 21st a crew was sent to Timber Ridge Apartments to repair a Mueller hydrant that was leaking from the dome. The upper shaft needed replacing.

On May 31st a crew was sent to 9955 South Chicago Road to repair a Mueller hydrant. The break-away flanges on the hydrant were found broken during flushing.

Annual Hydrant Flushing:

Distribution crews finished up the annual flushing and greasing of 390 fire hydrants in the month of May.

Sewer Repairs:

In the month of May Utility Workers performed 5 maintenance tasks including: grouting and replacing manhole cover seals along with cleaning and televising of mains.

Miscellaneous:

On May 1st Senior Utility Service workers Allard, Volbrecht and Utility Service Worker Pier took the Department of Natural Resources waste water operator certification – sanitary sewage collection system exam. This exam will be a requirement for sanitary sewage collection systems in the next 5 years.

Julia Ahlborn and Olivia Schommer, first year seasonal employees, started work on May 20th.

On May 23rd Distribution Manager Schwartz and Utility Engineer Johnston attended a field demonstration on BlueLight by Hammerhead CIPP lateral lining with LED cure technology.

PLANT OPERATIONS

May, 2019

PUMPAGE REPORT	2019	2018	% Change	5 Year %
Monthly Pumpage	231,975,000	238,436,000	-2.7	+3.2
Monthly Average Day	7,483,065	7,691,500	-2.7	+3.2
Monthly Peak Day	(05/17) 9,110,000	(05/29)10,310,000	-11.6	+1.9
Yearly Pumpage	1,063,893,000	1,045,173,000	+1.8	+1.7
Yearly Average Day	7,145,649	6,921,500	+3.2	+3.2
Yearly Peak Day	(04/07) 9,650,000	(05/29)10,310,000	-6.4	-.2
West Zone Pumpage	102,010,000	108,060,000	-5.6	-7.8
West Zone Yearly Total	466,438,000	469,920,000	-0.7	-15.0

WATER QUALITY REPORT	Raw Water	Finished Water
Average Free Chlorine		1.61 mg/l
Total Chlorine		1.79 mg/l
Average Alkalinity	112.5 mg/l	112.9 mg/l
Average pH	8.3	8.2
Average Fluoride	0.18 mg/l	0.68 mg/l
Average Turbidity	2.46 NTU	0.032 NTU
High Temperature	High 51.1 F Low 43.2 F	
Hardness	137 mg/l	137 mg/l

Preventative Maintenance Tasks: Staff completed 163 preventative maintenance tasks and 2 safety sessions during the month.

Work Orders: Staff completed 16 work orders. Some of the tasks include rehab of plant air compressor, installing a new Fluoride analyzer, installing conduits and new security cameras, and replacing flocculator 4 drive sprocket.

Plant: Work continues on the locker room update with the men's locker room nearing completion. Plant Manager Robe conducted the annual Treatment Ops Seminar for WIAWWA. Operators Klees, Ludke, Krueger, Muschinski, and Messerschmidt attended WIAWWA Treatment Ops Seminar at the Oak Creek Community Center on May 9th. Operator Roper is our newest operator and is currently training on 3rd shift.

