



Common Council Chambers
8040 S. 6th Street
Oak Creek, WI 53154
(414) 766-7000

Robert Cigale
Curtis Czarnecki
Kenneth Gehl
Chris Guzikowski
Fredrick Siepert- Alternate
Rich Duchniak

BOARD OF PUBLIC WORKS AND CAPITAL ASSETS

January 10, 2023
9:00 A.M.

The City's Vision

Oak Creek: A dynamic regional leader, connected to our community, driving the future of the south shore.

1. Call Meeting to Order.
2. Roll Call.
3. Approval of Minutes – 12/13/2022
4. **Informational:** Review of Common Council actions related to Public Works & Capital Assets.

GENERAL GOVERNMENT CAPITAL ASSETS

None

PUBLIC WORKS & UTILITIES

5. **Motion:** Consider a *motion* to enter into an agreement with Concrete and Masonry LLC to repair the wall cracks in filter beds seven and eight in the amount of \$12,500.
6. **Motion:** Consider a *motion* to enter into an agreement with Crane Engineering for the replacement of the tilted disk valve on pump four at the Raw Water Pump Station in the amount of \$15,000.
7. **Motion:** Consider a *motion* to enter into an agreement with Duraline Biosystems Inc. to replace the autoclave sterilizer in the amount of \$16,000.
8. **Motion:** Consider a *motion* to approve Utility vouchers for payment in the amount of \$426,894.63.
9. **Informational:** Administrative and Operations reports.

CAPITAL ASSETS

None

TRAFFIC & SAFETY

None

10. Adjournment.

Dated this 6th day of January, 2023.

Public Notice

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 414-766-7000, by fax at 414-766-7976, or by writing to 8040 S. 6th Street, Oak Creek, Wisconsin 53154.

It is possible that members of and possibly a quorum of members of other governmental bodies of the municipality may attend 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



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BOARD OF PUBLIC WORKS AND CAPITAL ASSETS

December 13, 2022
9:00 A.M.

The City's Vision

Oak Creek: A dynamic regional leader, connected to our community, driving the future of the south shore.

1. Call Meeting to Order.

Alderman Guzikowski called the meeting to order at 9:02 a.m.

2. Roll Call.

All Board Members were present with the exception of Board Member Cigale.

Also present: Public Works Director Matt Trebatoski, City Engineer Matt Sullivan, Utility General Manager Mike Sullivan, Police Chief Stecker, Police Captain Bolender, Police Lieutenant Thorne, IT Manager Tom Kramer, and Management Assistant Carly Persson.

3. Approval of Minutes – 11/08/2022

Alderman Guzikowski made a motion to approve the minutes of November 8, 2022, seconded by Alderman Duchniak. Alderman Guzikowski abstained. All aye, motion carried.

4. **Informational:** Review of Common Council actions related to Public Works & Capital Assets.

Carly Persson reported all 2023 road projects were approved at the November 15th Common Council Meeting. At the November 22nd Council meeting, Council unanimously approved the 2023 Operating and CIP Budget. At the December 6th meeting, Council approved the purchase of a 2023 International plow truck.

The new Board of Public Works and Capital Assets Board Member Curt Czarnecki will begin his term at the January 10th meeting.

GENERAL GOVERNMENT CAPITAL ASSETS

None

PUBLIC WORKS & UTILITIES

5. **Motion:** Consider a motion to approve the purchase of a John Deere Z997R Diesel Mower from Deere & Company (Proven Power, Inc.) in the amount of \$25,298.04 through the Sourcewell Bid contract.

Board Member Siepert made a motion to approve the purchase of a John Deere Z997R Diesel Mower from Deere & Company (Proven Power, Inc.) in the amount of \$25,298.04 through the Sourcewell Bid contract, seconded by Alderman Duchniak. All aye, motion carried.

6. **Motion:** Consider a *motion* to approve the purchase of a Vermeer SC802 Stump Cutter from Vermeer Wisconsin in the amount of \$80,635.00 through the Sourcewell Bid contract, and the associated Radio Remote Control at an estimated cost of \$6,000 from Vermeer Wisconsin.

Alderman Duchniak made a motion to approve the purchase of a Vermeer SC802 Stump Cutter from Vermeer Wisconsin in the amount of \$80,635.00 through the Sourcewell Bid contract, and the associated Radio Remote Control at an estimated cost of \$6,000.00 from Vermeer Wisconsin, seconded by Board Member Siepert. All aye, motion carried.

7. **Motion:** Consider a *motion* to approve the purchase of a Doosan G30E-7 Forklift from Wolter, Inc. in the amount of \$31,667.54 through the Sourcewell Bid contract.

Board Member Siepert made a motion to approve the purchase of a Doosan G30E-7 Forklift from Wolter, Inc. in the amount of \$31,667.54 through the Sourcewell Bid contract, seconded by Alderman Duchniak. All aye, motion carried.

8. **Motion:** Consider a *motion* to enter into a contract with Clark Dietz for the design and replacement of HVAC system at the water treatment plant in an amount not to exceed \$40,000 (Project No. 23109).

Alderman Duchniak made a motion to enter into a contract with Clark Dietz for the design and replacement of HVAC system at the water treatment plant in an amount not to exceed \$40,000 (Project No. 23109), seconded by Alderman Duchniak. All aye, motion carried.

9. **Motion:** Consider a motion to enter into a contract with Brown and Caldwell to model the sanitary sewer and update the GIS system plans in an amount not to exceed \$50,000 (Project No. 23117).

Board Member Siepert made a motion to enter into a contract with Brown and Caldwell to model the sanitary sewer and update the GIS system plans in an amount not to exceed \$50,000 (Project No. 23117), seconded by Alderman Duchniak. All aye, motion carried.

10. **Motion:** Consider a motion to enter into a contract with raSmith for the design and construction staking of the E. Forest Hill Avenue water relay in an amount not to exceed \$32.900 (Project No. 23111).

Alderman Duchniak made a motion to enter into a contract with raSmith for the design and construction staking of the E. Forest Hill Avenue water relay in an amount not to exceed \$32.900 (Project No. 23111), seconded by Alderman Gehl. All aye, motion carried.

11. **Motion:** Consider a motion to enter into a contract with raSmith for the design of the 2023 sanitary rehabilitation project in an amount not to exceed \$42,000 (Project 23116).

Board Member Siepert made a motion to enter into a contract with raSmith for the design of the 2023 sanitary rehabilitation project in an amount not to exceed \$42,000 (Project 23116), seconded

by Alderman Duchniak. All aye, motion carried.

12. **Motion:** Consider a motion to enter into a contract with raSmith for the design and construction staking of the S. 13th Street hydrant relocation and manhole adjustment in an amount not to exceed \$34,200 (Project No. 23113).

Alderman Duchniak made a motion to enter into a contract with raSmith for the design and construction staking of the S. 13th Street hydrant relocation and manhole adjustment in an amount not to exceed \$34,200 (Project No. 23113), seconded by Board Member Siepert. All aye, motion carried.

13. **Motion:** Consider a motion to approve the final payment for the 2022 Sanitary Rehabilitation project to Globe Contractors in an amount of \$8,699.55 (Project No. 22103).

Alderman Gehl made a motion to approve the final payment for the 2022 Sanitary Rehabilitation project to Globe Contractors in an amount of \$8,699.55 (Project No. 22103), seconded by Board Member Siepert. All aye, motion carried.

14. **Motion:** Consider a motion to approve the purchase of a RAM 1500 from Ewald Auto Group for \$31,919.

Alderman Gehl made a motion to approve the purchase of a RAM 1500 from Ewald Auto Group for \$31,919, seconded by Alderman Duchniak. All aye, motion carried.

15. **Motion:** Consider a motion to approve the purchase of a Ford F-250 from Ewald Auto Group for \$41,531.

Board Member Siepert made a motion to approve the purchase of a Ford F-250 from Ewald Auto Group for \$41,53, seconded by Alderman Duchniak. All aye, motion carried.

16. **Motion:** Consider a motion to approve the purchase of a Ford F-450 with dump body from Badger Truck Center for \$78,550.

Board Member Siepert made a motion to approve the purchase of a Ford F-450 with dump body from Badger Truck Center for \$78,550, seconded by Alderman Gehl. All aye, motion carried.

17. **Motion:** Consider a motion to approve Utility vouchers for payment in the amount of \$2,387,965.69.

Alderman Gehl made a motion to approve Utility vouchers for payment in the amount of \$2,387,965.69, seconded by Board Member Siepert. All aye, motion carried.

18. **Informational:** Administrative and Operations reports.

Utility General Manager Sullivan reported a water main repair took place at Puetz and Howell and his team is fairly confident the leak has been repaired at this point. The We Energies bill has been up 17% as of late.

CAPITAL ASSETS

19. **Motion:** Consider a *motion* to approve the purchase of Trimble S5 3" Robotic Survey Equipment in the amount of \$34,897.41 from Seiler Instrument.

Alderman Duchniak made a motion to approve the purchase of Trimble S5 3" Robotic Survey Equipment in the amount of \$34,897.41 from Seiler Instrumen, seconded by Board Member Siepert. All aye, motion carried.

20. **Motion:** Consider a motion to approve the purchase of four (4) Panasonic Arbitrator In-Car Video camera systems. The purchase includes all of the equipment to outfit four squads including a three-year software and support agreement. Quoted price is currently \$22,124.

Alderman Gehl made a motion to approve the purchase of four (4) Panasonic Arbitrator In-Car Video camera systems, seconded by Board Member Siepert. All aye, motion carried.

21. **Motion:** Consider a motion to approve the purchase of eight (8) Meridian Archer Anti-Vehicle Barriers, an Archer 8-Barrier Drop Deck Trailer, and an Archer Hauler hand truck. Quoted price is currently \$86,925.18.

Alderman Gehl made a motion to approve the purchase of eight (8) Meridian Archer Anti-Vehicle Barriers, an Archer 8-Barrier Drop Deck Trailer, and an Archer Hauler hand truck, seconded by Alderman Duchniak. All aye, motion carried.

22. **Motion:** Consider a motion to approve the purchase of an Eventide voice logging recorder from Northland Business Systems in the amount of \$22,181.

Alderman Duchniak made a motion to approve the purchase of an Eventide voice logging recorder from Northland Business Systems in the amount of \$22,181, seconded by Board Member Siepert. All aye, motion carried.

TRAFFIC & SAFETY

None

23. Adjournment.

Alderman Gehl made a motion to adjourn at 9:44 a.m., seconded by Board Member Siepert. All aye, motion carried.

Dated this 8th day of December, 2022.

Public Notice

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Meeting Date: January 10, 2023

Item No.

STAFF REPORT

- Item:** Award Filter Wall Repair Project to Concrete and Masonry Restoration LLC.
- Recommendation:** That the board consider a motion to enter into an agreement with Concrete and Masonry LLC. to repair the wall cracks in filter beds seven and eight at a cost of \$12,500.
- Fiscal Impact:** This project is part of the 2023 Capital Improvement Budget.
- Critical Success Factor(s):**
 - Vibrant and Diverse Cultural Opportunities
 - Thoughtful Development and Prosperous Economy
 - Safe, Welcoming, and Engaged Community
 - Inspired, Aligned, and Proactive City Leadership
 - Financial Stability
 - Quality Infrastructure, Amenities, and Services
 - Not Applicable

Background: The filter room has settled since the expansion of filters 7-10. Due to this settling the corners of filters seven and eight have developed cracks. If left as is, the cracks could potentially get larger and allow water to infiltrate the filter bed. A flexible sealing system has been determined to be the best option as it will flex with the movement of the filter room. Concrete and Masonry Restoration LLC. was the only qualified bidder and is my recommendation for this project at a cost of \$12,500.

Options/Alternatives: Do nothing and have the cracks widen and invite infiltration or leakage.

Respectfully submitted:

Andrew J. Vickers, MPA
City Administrator

Prepared:

Mike Robe
Treatment Plant Manager

Fiscal Review:

Kristina Strmsek
Assistant Comptroller

Approved:

Michael J. Sullivan, PE
General Manager

Attachments: None



Item No.

STAFF REPORT

Item: Award Raw Water Pump No. 4 Valve Replacement

Recommendation: That the Board considers a motion to enter into an agreement with Crane Engineering for the replacement of the tilted disk valve on pump four at the Raw Water Pump Station for the amount of \$15,000.

Fiscal Impact: This project is part of the 2023 Capital Improvement Budget.

Critical Success Factor(s):

- Vibrant and Diverse Cultural Opportunities
- Thoughtful Development and Prosperous Economy
- Safe, Welcoming, and Engaged Community
- Inspired, Aligned, and Proactive City Leadership
- Financial Stability
- Quality Infrastructure, Amenities, and Services
- Not Applicable

Background: Pump No. 4 is our largest raw water pump and is currently listed for emergency use only due to a valve malfunction. This malfunction is caused by years of wear that have led to excessive play in the valve components. Previous repair efforts were unsuccessful and replacement is now needed. This price reflects a \$3,000 credit for the previous repair efforts that were unsuccessful. Crane Engineering is the only authorized Val-Matic representative in the area and is my recommendation for this project at a cost of \$15,000.

Options/Alternatives: Do nothing and wait for complete failure and emergency replacement.

Respectfully submitted:

Andrew J. Vickers, MPA
City Administrator

Prepared:

Mike Robe
Treatment Plant Manager

Fiscal Review:

Kristina Strmsek
Assistant Comptroller

Approved:

Michael J. Sullivan, PE
General Manager

Attachments: None



STAFF REPORT

Item: Award Autoclave Replacement To Duraline Biosystems Inc.

Recommendation: That the Board considers a motion to enter into an agreement with Duraline Biosystems Inc. to replace the autoclave sterilizer in the amount of \$16,000.00.

Fiscal Impact: This project is part of the 2023 Capitol Improvement Budget.

Critical Success Factor(s):

- Vibrant and Diverse Cultural Opportunities
- Thoughtful Development and Prosperous Economy
- Safe, Welcoming, and Engaged Community
- Inspired, Aligned, and Proactive City Leadership
- Financial Stability
- Quality Infrastructure, Amenities, and Services
- Not Applicable

Background: The autoclave unit at the plant is in need of costly repairs. The current autoclave is 18 years old and past its 15-year life expectancy. The autoclave is currently usable but needs \$2,500 in repairs to bring it back to proper operating parameters. This money would be better spent toward a new unit. The autoclave is used to sterilize glassware and sample vessels and is critical that it operates at the required range. The 2023 CIP budgeted amount was \$16,000.

Options/Alternatives: A repair option of \$2,500 was quoted but this will just be another band aid on this aging unit. Several suppliers have provided pricing on a new autoclave. All of the quotes were within one hundred dollars at \$16,350. I recommend Duraline Biosystems as they will give us \$1,000 dollar credit for our old unit. This brings the cost down to \$15,395, with shipping and installation the cost will be \$16,000.

Respectfully submitted:

Andrew J. Vickers, MPA
City Administrator

Prepared:

Mike Robe
Treatment Plant Manager

Fiscal Review:

Kristina Strmsek
Assistant Comptroller

Approved:

Michael J. Sullivan, PE
General Manager

Attachments: None

ACCOUNTS PAYABLE SUMMARY

January 10, 2023

Vendor	Description	Dollar Amount
Baker Tilly	Semi-Annual Software Support	\$ 5,682.00
Cedar Corporation	5th & American Sanitary Sewer	3,537.50
Chase Card Services	Charge Card Invoices	11,056.94
Chemtrade Chemicals US, LLC.	Plant Coagulant	12,932.70
City of Oak Creek	City Bill Covering Quarter 3	204,482.07
Clark Dietz, Inc.	Plant Electrical Upgrade	1,140.00
Core & Main LP	Hydrant Repair Kits	3,793.74
Corpro Companies	Water Main Anodes	8,772.22
Hydrite Chemical Co.	Plant Chlorine	7,301.20
Kwik Trip Extended Network	Gas for Truck Fleet	2,261.85
Milwaukee Metropolitan Sewerage District	Metro Bills	60,200.78
Oak Creek Utility	Utility's Metro Bill	10,532.01
R.A. Smith National	Bender Park Sewer, Rawson Ave Water Relay 6-10 St	13,215.75
Strand Associates, Inc.	Cell Tower Review	1,675.78
Synergy Sales, LLC.	22nd St Chlorine Analyzer	4,220.15
Terminal-Andre	Janat Pump Station Radio Replacement	1,093.00
UEMSI/HTV	Sewer Hose	2,860.00
William/Reid	Rapid Mix Propeller	2,870.40
Wisconsin Electric Power Company	Electric/Gas Bills	49,608.86
Subtotal		407,236.95
Remaining Invoices		19,657.68
TOTAL OF ACCOUNTS PAYABLE INVOICES TO BE PAID		\$ 426,894.63

INVOICES DUE ON/BEFORE 01/10/2023

INVOICE #	INVOICE DATE	INVOICE ITEM #	DESCRIPTION	ACCOUNT #	P.C. #	PROJECT	DUE DATE	ITEM AMT
0-23C			ACE HARDWARE-SOUTH MILWAUKEE					
66841	12/28/22	01	KATHABAR PUMP INSTALLATION	082463302			12/28/22	19.39
		02		082665202				19.39
			INVOICE TOTAL:					38.78
66865	01/03/23	01	RAW WATER METER REPAIR	082867602			01/03/23	44.59
			INVOICE TOTAL:					44.59
			VENDOR TOTAL:					83.37
03800			ALLARD, DARRIN					
2022-CELL:SEPT-DEC	12/28/22	01	CELL PHONE:SEPT-DEC 2022	083292602			12/28/22	70.00
		02		093285402				30.00
			INVOICE TOTAL:					100.00
			VENDOR TOTAL:					100.00
06250			AMERICAN INDUSTRIAL					
2023-01	01/03/23	01	RUG/COVERALL CLEANING SERVICES	082462602			01/03/23	66.65
		02		082664302				66.64
		03		082866202				304.38
		04		092882702				76.10
			INVOICE TOTAL:					513.77
			VENDOR TOTAL:					513.77
10349			ASSOCIATED TRUST CO.					
23620	12/28/22	01	BOND FEES	083293012			12/28/22	475.00
			INVOICE TOTAL:					475.00
			VENDOR TOTAL:					475.00
11250			BADGER METER MANUFACTURING					
1545253	12/28/22	01	METER INVENTORY	080234600			12/28/22	2,195.28
			INVOICE TOTAL:					2,195.28
			VENDOR TOTAL:					2,195.28

INVOICES DUE ON/BEFORE 01/10/2023

INVOICE #	INVOICE DATE	INVOICE ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
1-280	BAKER TILLY							
CVC22845	01/03/23	01	SEMI-ANNUAL SUPPORT FEES	083292302			01/03/23	3,977.40
		02	1/1/23-6/30/23	093285202				1,704.60
								5,682.00
								5,682.00
11640	CHASE CARD SERVICES							
2023-01-DA	01/03/23	01	ALLARD-RUTLIND SUPPLIES, SHOP	080234602			01/03/23	36.94
		02	SUPPLIES, SEWER SHOW REG,	082866202				159.93
		03	METER PARTS, VACCOC BELT,	083292102				510.72
		04	MIAMWA EXPENSES, WWOA REG	083293002				449.18
		05		092882702				98.68
		06		093285102				218.88
		07		093285602				564.60
								2,038.93
2023-01-DN	01/03/23	01	NIEMI-BATTERIES, PHONE	080174600			01/03/23	158.07
		02	REPLACEMENT, PLOTTER PR-INTHEAD	083292102				388.50
		03		093285102				166.50
								713.07
2023-01-MR	01/03/23	01	ROBE-REFUND-RENTAL FEE, SLUDGE	080122113			01/03/23	43.37
		02	PUMP REPLACEMENT, MURIATIC	082462602				322.78
		03	ACID, CLEANING SUPPLIES,	082463102				711.27
		04	PADLOCK, IGNITION CONTROL,	082463302				774.79
		05	HOSE BIB, VISE GRIPS, CARBON	082564102				144.87
		06	FEEDER VALVE, GENERATOR ROOM	082664202				17.75
		07	HEATER, SHIPPING, PROPANE,	082664302				322.72
		08	WWOA EXPENSES, KATHABAR PUMP,	082665102				711.27
		09	CHEMICAL FEED PUMP LINE, LOG	082665202				1,140.96
		10	BOOK, BRASS INVENTORY, OFFICE	083293002				627.00
		11	SUPPLIES, BACKFLOW PREVENTER	083693302				41.00
		12	RENEWALS, PLUMBING SUPPLIES,	** COMMENT **				
		13	KITCHEN SUPPLIES, RAW WATER	** COMMENT **				

INVOICES DUE ON/BEFORE 01/10/2023

INVOICE # VENDOR #	INVOICE DATE	INVOICE ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
11640	CHASE CARD SERVICES							
2023-01-MR	01/03/23	14	METER	** COMMENT **			01/03/23	4,857.78
INVOICE TOTAL:								4,857.78
2023-01-MS	01/03/23	01	SULLIVAN-SCISSOR LEFT BATTERY,	082866202			01/03/23	922.60
		02	TOWER PLCS	092882702				395.40
		03		082462502				649.99
		04		082664302				649.99
INVOICE TOTAL:								2,617.98
2023-01-NB	01/03/23	01	BUTLER-PHONE/INTERNET CHARGES	082260302			01/03/23	15.00
		02		082462402				5.00
		03		082462502				64.76
		04		082664302				74.75
		05		082866202				25.00
		06		092866222				5.54
		07		082866502				28.32
		08		083292102				394.19
		09		083841622				11.08
		-0		092882002				5.00
		11		092882022				5.54
		12		092882702				47.48
		13		093285102				147.52
INVOICE TOTAL:								829.18
VENDOR TOTAL:								11,056.94
12252	BATTERIES PLUS LLC							
P58025307	12/28/22	01	CONCRETE SAW BATTERIES	082966202			12/28/22	103.92
		02		092882702				44.53
INVOICE TOTAL:								148.45
P58393798	01/03/23	01	SIGNAL GENERATOR BATTERIES	082463302			01/03/23	15.12
INVOICE TOTAL:								15.12
P58475007	01/03/23	01	SIGNAL GENERATOR BATTERIES	082463302			01/03/23	30.24
INVOICE TOTAL:								30.24
VENDOR TOTAL:								193.81

INVOICES DUE ON/BEFORE 01/10/2023

INVOICE #	INVOICE DATE	INVOICE TERM	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
16285	BUTLER, NICOLE							
2022-CELL:SEPT-DEC	12/28/22	01	CELL PHONE:SEPT-DEC 2022	083292602			12/28/22	53.38
		02		C93285402				27.16
								90.54
								90.54
16476	CEDAR CORPORATION							
116003	01/03/23	01	5TH & AMERICAN SANITARY SEWER	090122104			01/03/23	3,537.50
								3,537.50
								3,537.50
17999	CHEXTRADE CHEMICALS US LLC							
93468205	12/28/22	01	H1050 COAGULANT-PLANT	080415400			12/28/22	12,932.70
								12,932.70
								12,932.70
18750	CITY OF OAK CREEK							
2022-Q3	12/28/22	01	CITY BILL COVERING QUARTER 3	083293002			12/28/22	3.50
		02		093285602				1.50
		03		083292302				7,875.00
		04		093285202				3,375.00
		05		083292602				2,623.13
		06		093285402				655.78
		07		083292602				203.28
		08		093285402				87.12
		09		083292602				21,576.73
		10		093285402				5,394.18
		11		083292602				114,945.20
		12		093285402				28,736.30
		13		083292602				2,651.92
		14		093285402				662.98
		15		083292602				5,722.36

Oak Creek Water & Sewer Utility
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 01/10/2023

INVOICE #	INVOICE DATE	INVOICE ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
18750			CITY OF OAK CREEK					
2022-Q3	12/28/22	16		093285402			12/28/22	1,430.59
		17		083292502				6,830.00
		18		093285302				1,707.50
							INVOICE TOTAL:	204,482.07
							VENDOR TOTAL:	204,482.07
20275			CLARK DIETZ, INC.					
436353	01/03/23	01	PLANT ELECTRICAL UPGRADE	082463102			01/03/23	570.00
		02		082665102				570.00
							INVOICE TOTAL:	1,140.00
							VENDOR TOTAL:	1,140.00
25645			CORE & MAIN LP					
S059848	12/19/22	01	WATER MAIN REPAIR COUPLINGS	082867302			12/19/22	1,083.08
							INVOICE TOTAL:	1,083.08
S084251	12/19/22	01	METER FLANGE	082867602			12/19/22	202.66
							INVOICE TOTAL:	202.66
S103789	12/28/22	01	HYDRANT REPAIR KITS	082867702			12/28/22	2,508.00
							INVOICE TOTAL:	2,508.00
							VENDOR TOTAL:	3,793.74
26600			CORREPRO COMPANIES					
710196RI	12/28/22	01	WATER MAIN ANODES	082867302			12/28/22	8,772.22
							INVOICE TOTAL:	8,772.22
							VENDOR TOTAL:	8,772.22
26935			CRAIG, PAUL					
2022-CELL:SEPT-DEC	12/19/22	01	CELL PHONE:SEPT-DEC 2022	083292602			12/19/22	70.00

Oak Creek Water & Sewer Utility
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 01/10/2023

INVOICE #	INVOICE DATE	INVOICE ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUH DATE	ITEM AMT
26935	CRAIG, PAUL							
2022-CELL:SEPT-DEC	12/19/22	02		093235402			12/19/22	30.00
							INVOICE TOTAL:	100.00
							VENDOR TOTAL:	100.00
30000	DIGGERS HOTLINE INC.							
221161601	12/19/22	01	DIGGERS HOTLINE TICKETS-NOV	033841622			12/19/22	224.07
		02	256 EMAIL TICKETS @ \$1.74	092882022				112.04
		03	1 PHONE TICKET @ \$2.70	082866222				112.03
							INVOICE TOTAL:	448.14
							VENDOR TOTAL:	448.14
33000	DORNER COMPANY							
503594	12/19/22	01	SEAL KIT-AUMA VALVE GEAR BOX	082665202			12/19/22	184.00
							INVOICE TOTAL:	184.00
							VENDOR TOTAL:	184.00
35700	ETNA SUPPLY							
5:04843142.001	12/19/22	01	VALVE BOX REPAIR PARTS	082867302			12/19/22	1,275.00
							INVOICE TOTAL:	1,275.00
							VENDOR TOTAL:	1,275.00
36800	EDEBECK, STEVEN							
2022-CELL:MAY-DEC	12/28/22	01	CELL PHONE:MAY-DEC 2022	083292602			12/28/22	200.00
							INVOICE TOTAL:	200.00
							VENDOR TOTAL:	200.00
39250	EMSL ANALYTICAL, INC.							
87416361	12/19/22	01	GEOSMTN SAMPLE KIT SHIPPING	082260102			12/19/22	20.52
							INVOICE TOTAL:	20.52

INVOICES DUE ON/BEFORE 01/10/2023

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.C. #	PROJECT	DUE DATE	ITEM AMT
39250			ENST. ANALYTICAL, INC.					
87418739	12/19/22	01	SEOSMIN SAMPLE KIT SHIPPING	082260102			12/19/22	20.54
							INVOICE TOTAL:	20.54
							VENDOR TOTAL:	41.06
42300			FASTENAL					
WIMI330829	12/19/22	01	REPLACEMENT SLUDGE PUMPS	080122113			12/19/22	181.23
							INVOICE TOTAL:	181.23
							VENDOR TOTAL:	181.23
42625			FERGUSON WATERWORKS #1476					
374560	12/19/22	01	WATER MAIN REPAIR	082867302			12/19/22	2,228.44
							INVOICE TOTAL:	2,228.44
							VENDOR TOTAL:	2,228.44
43075			FIRST SUPPLY LLC					
13497122-00	12/19/22	01	METER HOBN PARCS	082867602			12/19/22	82.55
							INVOICE TOTAL:	82.55
							VENDOR TOTAL:	82.55
43135			FISHER SCIENTIFIC COMPANY					
3566286	12/19/22	01	LAB SUPPLIES	082664102			12/19/22	86.95
							INVOICE TOTAL:	86.95
9053207	12/28/22	01	LAB CHEMICALS	082664102			12/28/22	630.42
							INVOICE TOTAL:	630.42
							VENDOR TOTAL:	717.37
43154			FLAYOR, JAMES					
2022-CELL:SEPT-DEC	12/19/22	01	CELL PHONE:SEPT-DEC 2022	083292602			12/19/22	70.00

Oak Creek Water & Sewer Utility
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 01/10/2023

INVOICE #	INVOICE DATE	INVOICE ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
43154	FLATOW, JAMES							
2022-CELL:SEPT-DEC	12/19/22	02		093285402			12/19/22	30.00
							INVOICE TOTAL:	100.00
							VENDOR TOTAL:	100.00
46875	WW GRATINGER INC.							
9541237096	12/19/22	01	TRASH BAGS	082462602			12/19/22	8.32
		02		082664302				8.32
							INVOICE TOTAL:	16.64
9549549104	12/28/22	01	INVENTORY BOXES	082462602			12/28/22	20.88
		02		082664302				20.87
							INVOICE TOTAL:	41.75
							VENDOR TOTAL:	58.39
46912	GFL ENVIRONMENTAL							
080000080066	01/03/23	01	PLANT DUMPSITE-DECEMBER 2022	083292302			01/03/23	212.08
							INVOICE TOTAL:	212.08
080000195131	01/03/23	01	PLANT DUMPSITE-JANUARY 2023	083292302			01/03/23	212.08
							INVOICE TOTAL:	212.08
							VENDOR TOTAL:	424.16
55010	HYDRATE CHEMICAL CO.							
2634382	12/19/22	01	CHLORINE-PLANT USE	080415400			12/19/22	7,301.20
							INVOICE TOTAL:	7,301.20
							VENDOR TOTAL:	7,301.20
56561	JOINSON SAND & GRAVEL INC.							
95275	01/03/23	01	SAND-MAIN BREAK REPAIR	082867302			01/03/23	776.34
							INVOICE TOTAL:	776.34
							VENDOR TOTAL:	776.34

INVOICES DUE ON/BEFORE 01/19/2023

INVOICE #	INVOICE DATE	INVOICE ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUPLICATE	ITEM AMT
65611			MENARDS					
53136	12/19/22	01	SNOW PLOW MARKERS	082462602				12.45
		02		082664302				12.45
			INVOICE TOTAL:					24.90
53233	12/19/22	01	SHOP SUPPLIES	082866202				112.36
		02		092882702				48.16
			INVOICE TOTAL:					160.52
			VENDOR TOTAL:					504.32
65625			MILWAUKEE METRO. SEWERAGE DIST					
288-22	12/28/22	01	METRO BILL	091023202				58,790.78
			INVOICE TOTAL:					58,790.78
IW-409-22	01/03/23	01	INDUSTRIAL WASTE PRE-TREATMENT	091023202				1,410.00
			INVOICE TOTAL:					1,410.00
			VENDOR TOTAL:					60,200.78
79020			NAPA AUTO PARTS					
443073	12/19/22	01	MANHOLE COVER REPAIR	092883102				24.32
			INVOICE TOTAL:					24.82
443074	12/19/22	01	VACCIN PARTS	092882702				9.10
			INVOICE TOTAL:					9.10
443923	12/28/22	01	VACCIN BELT	092882702				42.13
			INVOICE TOTAL:					42.13
443930	12/19/22	01	MISC. MATERIALS	083693302				47.99
			INVOICE TOTAL:					47.99
444936	12/28/22	01	LUG NUT	083693302				5.99
			INVOICE TOTAL:					5.99

DATE: 01/03/23
 TIME: 15:50:48
 ID: RP441000.WOW

Oak Creek Water & Sewer Utility
 DETAIL BOARD REPORT

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INVOICES DUE ON/BEFORE 01/10/2023

INVOICE #	INVOICE DATE	INVOICE ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
70020			NAPA AUTO PARTS					
44500	12/28/22	01	AIR FILTER & OIL FILTER CAP	083693302			12/28/22	37.81
							INVOICE TOTAL:	37.81
							VENDOR TOTAL:	167.84
70557			NORTHERN LAKE SERVICE INC.					
430848	12/19/22	01	WATER TESTS	082664202			12/19/22	79.80
							INVOICE TOTAL:	79.80
							VENDOR TOTAL:	79.80
72570			OAK CREEK UTILITY					
2023-01	12/28/22	01	UTILITY'S METRO BILL	082664202			12/28/22	50,532.01
							INVOICE TOTAL:	10,532.01
							VENDOR TOTAL:	10,532.01
73790			WINDSTREAM ENTERPRISE					
75365777	01/03/23	01	LONG DISTANCE CHRGES: PLT/DIST	082462602			01/03/23	17.21
		02		082664302				17.21
		03		083292102				17.21
		04		093285102				17.19
							INVOICE TOTAL:	68.82
							VENDOR TOTAL:	68.82
74756			PIER, ERIC					
2022-CELL:SEPT-DEC	12/28/22	01	CELL PHONE:SEPT-DEC 2022	083292602			12/28/22	70.00
		02		093285402				30.00
							INVOICE TOTAL:	100.00
							VENDOR TOTAL:	100.00
75698			PREMIUM WATERS, INC.					
362367568	01/03/23	01	DISTILLED WATER-PLANT	082664202			01/03/23	32.96
							INVOICE TOTAL:	32.96
							VENDOR TOTAL:	32.96

INVOICES DUE ON/BEFORE 01/10/2023

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
75735	PRICE, GREG							
2022-CELL:SEPT-DEC	12/19/22	01	CELL PHONE:SEPT-DEC 2022	083292602			12/19/22	70.00
		02		093285402				30.00
							INVOICE TOTAL:	100.00
							VENDOR TOTAL:	100.00
76050	PROEGER, MARK							
2022-CELL:SEPT-DEC	12/19/22	01	CELL PHONE:SEPT-DEC 2022	083292602			12/19/22	70.00
		02		093285402				30.00
							INVOICE TOTAL:	100.00
							VENDOR TOTAL:	100.00
76375	R.A. SMITH NATIONAL							
170004								
	12/19/22	01	BENDER PARK SANITARY	090412955			12/19/22	673.00
							INVOICE TOTAL:	673.00
170010								
	12/19/22	01	RAMSON AVE WATER RELAY 6-10 ST	080-22108			12/19/22	12,542.75
							INVOICE TOTAL:	12,542.75
							VENDOR TOTAL:	13,215.75
76630	R. S. PAINT & TOOLS LLC							
886011								
	12/19/22	01	MARKING PAINT-DUGGER'S LOCATES	083841622			12/19/22	196.98
		02		092882022				98.49
		03		082866222				98.49
							INVOICE TOTAL:	393.96
							VENDOR TOTAL:	393.96
77975	SCHMITZ READY MIX, INC.							
1026515-IN								
	01/03/23	01	CONCRETE RESTORATION	082867302			01/03/23	282.50
							INVOICE TOTAL:	282.50
							VENDOR TOTAL:	282.50

INVOICES DUE ON/BEFORE 01/10/2023

INVOICE # VENDOR #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
78985			SELLER INSTRUMENT & MFG. CO.					
INV-453138	01/03/23	01	SOFTWARE MAINTENANCE	082292102			01/03/23	914.76
		02		093285102				392.04
								INVOICE TOTAL: 1,306.80
								VENDOR TOTAL: 1,306.80
82880			STAR PROMOTIONS					
17C775	01/03/23	01	UTILITY-ISSUED CLOTHING	083292602			01/03/23	350.36
		02		093285402				150.16
								INVOICE TOTAL: 500.52
								VENDOR TOTAL: 500.52
83010			STRAND ASSOCIATES, INC.					
191167	12/19/22	01	CELL TOWER REVIEW	080414300			12/19/22	1,675.78
								INVOICE TOTAL: 1,675.78
								VENDOR TOTAL: 1,675.78
83035			STRUEBING CHARLES					
2022-CELL:SEPT-DEC	12/19/22	01	CELL PHONE:SEPT-DEC 2022	083292602			12/19/22	70.00
		02		093285402				30.00
								INVOICE TOTAL: 100.00
								VENDOR TOTAL: 100.00
84350			SYNERGY SALES LLC					
19512	12/19/22	01	CHLORINE ANALYZER-22NE ST	082463202			12/19/22	4,220.15
								INVOICE TOTAL: 4,220.15
								VENDOR TOTAL: 4,220.15
87225			TERMINAL-ANDRAF					
56750	12/19/22	01	JANAT PUMP STATION RADIO	082463302			12/19/22	1,093.00

INVOICES DUE ON/BEFORE 01/10/2023

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUPLICATE	ITEM AMT
87225	12/19/22	02	REPLACEMENT					
56750	12/19/22	02	REPLACEMENT					
								1,093.00
								1,093.00
91270	12/19/22	01	HYDRO EXCAVATOR PARTS	092882702				
155837	12/19/22	01	HYDRO EXCAVATOR PARTS	092882702				
								127.32
								127.32
156111	01/03/23	01	TRASH PUMP HOSE END	092882702				
91305	01/03/23	01	TRASH PUMP HOSE END	092882702				
								40.64
								40.64
								167.96
154289-IN	01/03/23	01	SEWER HOSE	092882702				
91312	01/03/23	01	SEWER HOSE	092882702				
								2,860.00
								2,860.00
								2,860.00
157345262	12/19/22	01	OFFICE & SHOP SUPPLIES	082866202				
		02		092882702				
		03		083292102				
		04		093285102				
								105.00
								45.00
								298.68
								128.00
								576.68
								576.68
93100	12/19/22	01	LAB SUPPLIES	082866202				
200899	12/19/22	01	LAB SUPPLIES	082866202				
								80.25
								80.25
								80.25
94003			WATER SPECIALTIES					

INVOICES DUE ON/BEFORE 01/10/2023

INVOICE #	INVOICE DATE	INVOICE ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
94003			WATER SPECIALTIES					
120477	12/28/22	01	BACKFLOW PREVENTER PARTS	082665202			12/28/22	442.14
							INVOICE TOTAL:	442.14
							VENDOR TOTAL:	442.14
94741			WHITE, JEFF					
2022-CELL:SEPT-DEC	12/28/22	01	CELL PHONE:SEPT-DEC 2022	083292602			12/28/22	100.00
							INVOICE TOTAL:	100.00
							VENDOR TOTAL:	100.00
94767			WILLIAM/REID					
59651	12/28/22	01	RAPID MIXER PROPRIETARY	082665202			12/28/22	2,870.40
							INVOICE TOTAL:	2,870.40
							VENDOR TOTAL:	2,870.40
96250			WISCONSIN ELECTRIC POWER COMP.					
2022-12-27-E	12/19/22	01	ELECTRIC/GAS BILLS	082462302			12/19/22	27,649.62
		02		082462602				2,964.92
		03		082664202				1,550.48
		04		082664302				3,876.11
							INVOICE TOTAL:	36,041.13
2023-01-05-E	12/28/22	01	ELECTRIC/GAS BILLS	082462302			12/28/22	5,673.29
		02		082462602				28.50
		03		082866102				43.23
		04		082866502				336.52
		05		083292102				336.51
		06		092482102				260.63
		07		092882702				336.51
		08		093285102				336.51
							INVOICE TOTAL:	7,351.70
2023-01-11-G	12/28/22	01	ELECTRIC/GAS BILLS	082462602			12/28/22	2,231.40

INVOICES DUE ON/BEFORE 01/10/2023

INVOICE #	INVOICE DATE	INVOICE ITEM #	DESCRIPTION	ACCOUNT #	P.C. #	PROJECT	DUPLICATE	DUPLICATE DATE	DUPLICATE AMT
96250			WISCONSIN ELECTRIC POWER COMP.						
2023-01-11-G	12/28/22	02		082664302				12/28/22	2,870.44
		03		082866502					278.54
		04		083292102					278.55
		05		092882702					278.55
		06		093285102					278.55
								INVOICE TOTAL:	6,216.03
								VENDOR TOTAL:	49,608.86
97751			WI STATE LABORATORY OF HYGIENE						
729832	12/19/22	01	FOR-DE SAMPLES	082664202				12/19/22	28.00
								INVOICE TOTAL:	28.00
								VENDOR TOTAL:	28.00
97857			WISCONSIN VISION, INC.						
380346	12/28/22	01	SAFETY SUNGLASSES	083292602				12/28/22	105.00
								INVOICE TOTAL:	105.00
380347	12/28/22	01	SAFETY GLASSES	083292602				12/28/22	85.00
								INVOICE TOTAL:	85.00
								VENDOR TOTAL:	190.00
99420			XYLEM WATER SOLUTIONS USA, INC						
3556C54683	01/03/23	01	FILTER SWING ARM NOZZLES	082665202				01/03/23	1,389.98
								INVOICE TOTAL:	1,389.98
								VENDOR TOTAL:	1,389.98
								TOTAL ALL INVOICES:	426,894.63

ADMINISTRATIVE OPERATIONS

December 2022

Workload:

Other administrative tasks included the following:

- Added 5 customer accounts for the month.
- Billed 5,224 water customers and 5,282 sewer customers.

Gallons Billed (in thousands):

	YTD 2022	YTD 2021	YTD 2020	YTD 2019	YTD 2018	Average
Residential	438,579	463,797	452,636	416,182	428,992	440,037
Commercial	511,309	510,119	484,111	467,418	462,138	487,019
Industrial	628,400	539,093	494,969	518,921	515,434	539,363
Public Authority	19,830	15,287	10,967	13,327	13,915	14,665
Wholesale	1,186,317	1,209,485	1,166,202	1,101,720	1,079,451	1,148,635
Total	2,784,435	2,737,781	2,608,885	2,517,568	2,499,930	2,629,719
% Change to Prior Year	1.7%	4.9%	3.6%	0.7%	N/A	
% Change to Average	5.9%	4.1%	-0.8%	-4.3%	-4.9%	

New Customers:

	YTD 2022	YTD 2021	YTD 2020	YTD 2019	YTD 2018	Average
Residential	30	72	59	31	34	45.2
Commercial	18	8	19	22	21	17.6
Industrial	0	0	1	0	0	0.2
Public Authority	0	0	4	0	1	1.0
Wholesale	0	0	0	0	0	-
Total	48	80	83	53	56	64.0

ENGINEERING OPERATIONS

December 2022

PLC Replacement at the WTP

Next Electric is completing the submittals for the cabinet drawings. Once we have these in place, we will be able to start on the PLC replacements. The work will begin in January and continue through the spring.

6th and Marquette Water Relay Design

A request for proposals was advertised for the S. 6th Street and W. Marquette Avenue water relay design project. We will receive the proposals in January and award the project in February.

Developer projects

- Residences at Oak View Condos - Punch list items remain.
- Oakes at 8100 - punch list items remain.
- Tsunami Car Wash - punch list items remain.
- Broadacre - Debelak has completed the private sanitary installation. The public water main will be finished in January.
- Lakeshore Commons - Punch list items remain.
- Stonebrook - Engineer submitted plans for review comments.

DISTRIBUTION & COLLECTION OPERATIONS

December 2022

Water Main Breaks:

On December 12th, we fixed a leak on the 30" ductile iron main on Howell Ave. @ E. Puetz Rd. We had to special order a clamp to make the repair. The electrical and fiber optic conduits that are directly over the water main made it very difficult to excavate and repair.

On December 28th, we attempted to find a small leak on E. Puetz Rd. @ S. Riverton Rd. We excavated where the 8" main ties in to the 24" main. There seems to be a small leak in the area, but we could not locate it. We will do a little more investigating and wait until our Vac-Con gets repaired to attempt it again.

On December 29th, we received a call about a main break on Howell Ave. @ Susan Dr. The crew worked through the night to repair the 12" cast iron main. This section is scheduled to be replaced in 2023.

Water Lateral Repairs:

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

Hydrant Repairs/Maintenance:

On December 15th, a fire hydrant at 9565 S. 20th St. was replaced and moved. We moved it away from the driveway several feet to hopefully stop it from getting hit by semis over and over again.

Valve Repairs:

There were no valves repaired in the month of December.

Sewer Repairs/Maintenance:

Utility workers wrapped up cleaning and televising for the year.

Contractors hit the lateral for 9381 S. Arbor Creek Dr. and filled our sewer main with stone. We spent several hours on December 5th and 6th getting the main cleared.

On December 15th, a manhole was rebuilt in the driveway of 9565 S. 20th St. The frame was cracked, and the area was settling. A new deck, chimney, and frame were installed.

Miscellaneous:

Manager Allard attended the WIAWWA Leadership Conference in Stevens Point on December 9th and a distribution committee meeting on December 16th.

Out of Service:

There is currently one fire hydrant out of service in need of repair. There are currently 41 valves jammed open in need of repair.

DISTRIBUTION GOALS 2022

JOB DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS	GOALS
Meters														
Meter Exchanges	12	16	120	142	65	85	37	11	1	1	3	3	496	600
Cross Connection Inspections	-	6	109	137	66	87	44	13	4	4	5	6	481	300
Industrial Inspections	32	25	45	59	34	40	38	17	54	66	52	29	491	420
Water														
Annual Hydrant Flushing	-	-	-	375	1,017	-	1	1	250	6	15	-	1,665	2,259
Semi-annual Flushing	-	-	-	19	60	-	25	-	2	103	-	-	209	2x109 (218)
Quarterly Flushing	-	-	-	45	5	-	49	-	-	51	-	-	150	4x49 (196)
Flush Emergency Connections	-	-	-	-	-	3	-	-	-	-	-	-	3	3
Watermain Crossings	63	-	-	-	-	-	-	-	-	-	-	-	63	63
Operate Valves	-	-	-	-	1	200	242	41	-	-	-	-	484	1,000
Hydrant Painting	-	-	-	-	-	-	53	28	-	-	-	-	81	150
Cathodic Protection Tests	-	-	-	-	-	-	-	-	11	-	-	-	11	11
Check Remote Water Mains	-	-	-	-	-	-	-	-	-	-	40	-	40	40
Sewer														
Clean Sewers	4,545	10,042	45,233	21,368	23,300	14,033	4,859	16,352	18,306	26,697	12,518	3,505	200,758	185,000
Camera Sewers	4,903	17,900	47,226	13,688	27,100	20,735	10,265	14,630	7,480	24,082	9,862	3,568	201,439	185,000
Check Problem Sewers	88	-	-	88	-	-	91	-	22	72	3	6	370	308
Check Remote Sewer Mains	-	-	-	-	-	-	-	-	-	-	51	-	51	51
Admin														
Tier II Report	Done													
MMSD Annual CMOM Report					Done									
DNR eCMAR					Done									
DNR River Crossing Stations										Done				
Cross Connection Survey		Done												

PLANT OPERATIONS

December 2022

PUMPAGE REPORT	2022	2021	% Change	5 Year %
Monthly Pumpage	239,640,000	231,130,000	+3.7	+10.9
Monthly Average Day	7,730,000	7,455,806	+3.7	+10.9
Monthly Peak Day	(12/30) 9,710,000	(12/14) 9,630,000	+0.8	+4.8
Yearly Pumpage	3,012,414,782	2,956,590,504	+1.9	+7.8
Yearly Average Day	8,253,191	8,100,248	+1.9	+7.8
Yearly Peak Day	(8/06) 13,400,000	(8/16) 13,740,000	-2.5	+11.1
West Zone Pumpage	101,540,000	93,300,000	+8.8	+7.1
West Zone Yearly Total	1,298,440,000	1,320,892,000	-1.7	+2.6

WATER QUALITY REPORT	Raw Water	Finished Water
Average Free Chlorine		1.58 mg/l
Total Chlorine		1.77 mg/l
Average Alkalinity	110.0 mg/l	111.8 mg/l
Average pH	8.29	8.15
Average Fluoride	0.15 mg/l	0.68 mg/l
Average Turbidity	6.23 NTU	0.040 NTU
High Temperature	High 45.7 F Low 35.3 F	
Hardness	137 mg/l	154 mg/l

Preventative Maintenance Tasks: Staff completed the remaining preventative maintenance tasks for 2022 and 2 safety sessions during the month.

Work Orders: Staff completed 6 work orders. Some of the tasks include installing a pressure reducing valve, installing a back pressure valve on the Fluoride feed line, and repairing leaks in the carbon feeder supply line while it is off for the season.

Plant: The raw water flow meter failed and many ideas and attempts are being tried to get it to work. The 20-year-old meter will likely need to be replaced. Plant staff is doing an excellent job running the plant in manual mode. Scheduling projects for 2023 continues and several well needed projects will be completed this upcoming year.

