



BOARD OF PUBLIC WORKS AND CAPITAL ASSETS

February 13, 2024
9:00 A.M.

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
Lisa Marshall

The City's Vision

Oak Creek: A dynamic regional leader driving the future of the south shore.

1. Call Meeting to Order.
2. Roll Call.
3. Approval of Minutes – 01/09/2024.
4. **Informational:** Review of Common Council actions related to Public Works & Capital Assets.

GENERAL GOVERNMENT CAPITAL ASSETS

5. **Motion:** Consider a **motion** to approve the purchase of networking equipment and software from SourceOne Technology in the amount of \$124,864.51.
6. **Motion:** Consider a **motion** to approve the purchase of six copiers in the amount of \$19,832.26 from Rhyme.
7. **Motion:** Consider a **motion** to approve the Fire Station 3 interior painting project in the amount of \$14,910.00.

PUBLIC WORKS & UTILITIES

8. **Motion:** Consider a **motion** to approve the sanitary sewer of the W. Elm Road petition. (5th Aldermanic District)
9. **Motion:** Consider a **motion** to approve the water main of the W. Elm Road petition. (5th Aldermanic District)
10. **Motion:** Consider a **motion** to approve the Underground Facilities Rehabilitation project alternative design selection option 2B. (Project No. 22118) (All Aldermanic Districts)
11. **Motion:** Consider a **motion** to enter into a contract with raSmith for the design, wetland permitting, soil borings, and construction staking for the Abendschein Park Water Main Extension in the amount not to exceed \$53,700. (Project No. 24111) (1st Aldermanic District)

12. **Motion:** Consider a **motion** to enter into a contract with raSmith for the design, soil borings, and construction staking for the Shepard Avenue water relay project in the amount not to exceed \$38,500. (Project No. 24115) (3rd Aldermanic District)
13. **Motion:** Consider a **motion** to enter into a contract with Graef for the design, soil borings, and construction staking for the Garden Place force main relay project in the amount not to exceed \$30,150. (Project No. 24113) (3rd Aldermanic District)
14. **Motion:** Consider a **motion** to enter into a contract with Graef for the design, soil borings, and construction staking for the Clement force main relay project in the amount not to exceed \$35,600. (Project No. 24113) (1st Aldermanic District)
15. **Motion:** Consider a **motion** to enter into a contract with Graef for the design of the water valve rehabilitation project in the amount not to exceed \$6,300. (Project No. 24116) (All Aldermanic Districts)
16. **Motion:** Consider a **motion** to enter into an agreement with Lab Furniture and Fume Hoods to complete the lab renovation and upgrade at a cost of \$57,553.00.
17. **Motion:** Consider a **motion** to approve the Milwaukee Metropolitan Sewerage District (MMSD) customer rates for 2024.
18. **Motion:** Consider a **motion** to approve the Utility Vouchers in the amount of \$1,014,349.82.
19. **Informational:** Administrative and Operations reports.

TRAFFIC & SAFETY

20. **None.**

Adjournment.

Dated this 9th day of February 2024.

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.



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
Lisa Marshall

BOARD OF PUBLIC WORKS AND CAPITAL ASSETS

January 9, 2024
9:00 A.M.

The City's Vision

Oak Creek: A dynamic regional leader driving the future of the south shore.

1. Call Meeting to Order.
2. Roll Call.

All Board Members were present except for Alderwoman Marshall.

Also present: IT Director Tom Kramer, Utility General Manager Michael Sullivan, Fire Chief Michael Kressuk, Police Captain Andrew Thorne, Deputy City Administrator/Finance Officer Max Gagin

3. Approval of Minutes – 12/12/2023

Board Member Siepert made a motion to approve the meeting minutes of December 12th, 2023. Board Member Czarnecki seconded the motion. All voted in favor. Motion carried.

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

None.

GENERAL GOVERNMENT CAPITAL ASSETS

5. **Motion:** Consider a **motion** to approve the purchase of one Supermicro server in the amount of \$13,689.65 from SHI.

IT Director Tom Kramer presented this item to the Board. He explained the server IT wishes to replace with this purchase is for City Hall. The new server would replace the oldest server in production.

Board Member Siepert made a motion to approve the purchase of one Supermicro server in the amount of \$13,689.65 from SHI. Alderman Gehl seconded the motion. All voted in favor. Motion carried.

6. **Motion:** Consider a **motion** to approve the purchase of Intradyn software in the amount of \$10,000.00.

IT Director Tom Kramer presented this item to the Board. He explained this item regards email archiving for open records complaints. IT currently uses a different product for this process but is paying to maintain hardware. With the purchase of the new software, that hardware cost is eliminated because it is virtualized software, compatible with the City's current online infrastructure. IT Director Kramer adds this item was approved as part of last year's CIP.

Board Member Czarnecki made a motion to approve the purchase of Intradyn software in the amount of \$10,000. Board Member Siepert seconded the motion. All voted in favor, motion carried.

7. **Motion:** Consider a *motion* to approve the purchase of four portable radios, associated programming and accessories in the amount of \$28,056.80.

Fire Chief Michael Kressuk presented this item to the Board. Chief Kressuk explained that this request was a part of the Capital Improvement Plan in the 2024 Budget.

Alderman Gehl made a motion to approve the purchase of four portable radios, associated programming and accessories in the amount of \$28,056.80. Board Member Cigale seconded the motion. All voted in favor, motion carried.

8. **Motion:** Consider a *motion* to approve the purchase of 35 extended performance power magazines, 50 "live" Taser cartridges, and 200 training Taser cartridges in the total amount of \$12,600.00.

Captain Andrew Thorne presented this item to the Board. Captain Thorne explained the importance of taser equipment for the Police Department.

Board Member Czarnecki made a motion to approve the purchase of 35 extended performance power magazines, 50 "live" Taser cartridges, and 200 training Taser cartridges in the total amount of \$12,600.00. Board member Siepert seconded the motion. All voted in favor, motion carried.

9. **Motion:** Consider a *motion* to approve the purchase of 2 Autel EVO 2 640T drones with enterprise bundles in the amount of \$18,180.00.

Captain Andrew Thorne presented this item to the Board. Captain Thorne explained the different uses for drone equipment. Captain Thorne explained that this equipment can also be used by the Fire Department for fire investigations. Currently, the City relies on mutual aid drone equipment. If the City has its own equipment, investigations can be conducted quicker.

Alderman Guzikowski asked Captain Thorne if the drones require staff training. Captain Thorne replied that the equipment does require training. Alderman Guzikowski asked Captain Thorne to elaborate on the training logistics. Captain Thorne answered that each supervisor will oversee the program, a couple of officers and supervisors from each shift will be trained as pilots. Additionally, the Police Department is where the drone equipment would be housed. Board Member Siepert asked if the drones can be flown at night. Captain Thorne responded, yes, the requested units can be flown at night. The units have thermal cameras with live streaming capabilities. Alderman Gehl asked Captain Thorne to give a rough estimate of the size of the units. Captain Thorne replied that the drones are about the size of the podium, considering blade size and other features. Board

Member Siepert asked Captain Thorne who is responsible for maintaining the drone units. Captain Thorne told Board Member Siepert the Police Department is responsible, alongside the IT Department.

Alderman Gehl made a motion to approve the purchase of 2 Autel EVO 2 640T drones with enterprise bundles in the amount of \$18,180.00. Board Member Siepert seconded the motion. All voted in favor, motion carried.

PUBLIC WORKS & UTILITIES

10. **Motion:** Consider a *motion* to approve progress payment No. 2 for the 2023 Sanitary Rehabilitation project to Visu-Sewer Inc in the amount of \$7,750.00. (Project No 23116) (All Aldermanic District)

Board Member Siepert made a motion to approve progress payment No. 2 for the 2023 Sanitary Rehabilitation project to Visu-Sewer Inc. in the amount of \$7,750.00. Board Member Czarnecki seconded the motion. All voted in favor, motion carried.

11. **Motion:** Consider a *motion* to approve progress payment No. 2 for the S. 13th Street hydrant relocation project to UPI, LLC in the amount of \$177,047.90. (Project No 23113) (2nd Aldermanic District)

Utility General Manager Michael Sullivan was asked to present on this item by Alderman Guzikowski. General Manager Sullivan's response was inaudible.

Board Member Siepert asked Michael Sullivan how many hydrants the City relocates and when the project will begin. General Manager Sullivan's answer to both questions was inaudible.

Board Member Czarnecki made a motion to approve progress payment No. 2 for the S. 13th Street hydrant relocation project to UPI, LLC in the amount of \$177,047.90. General Manager Sullivan notified the Board that the dollar amount should reflect \$117,047.90, not \$177,047.90. Board Member Czarnecki amended the motion to approve progress payment No. 2 for the S. 13th Street hydrant relocation project to UPI, LLC in the amount of \$117,047.90. Board Member Cigale seconded the motion. All voted in favor, motion carried.

12. **Motion:** Consider a *motion* to approve the Utility Engineer to submit the replacement of the HVAC system at the water treatment plant to PSC.

Alderman Gehl made a motion to approve the Utility Engineer to submit the replacement of the HVAC system at the water treatment plant to PSC. Board Member Cigale seconded the motion. All voted in favor, motion carried.

13. **Motion:** Consider a *motion* to approve the Utility vouchers in the amount of \$421,344.89.

Board Member Siepert made a motion to approve the Utility vouchers in the amount of \$421,344.89. Board Member Czarnecki seconded the motion. All voted in favor, motion carried.

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

Utility General Manager Michael Sullivan's gave a brief presentation on a few items in the report.

TRAFFIC & SAFETY

15. None.

CLOSED SESSION

16. **Motion:** Consider a ***motion*** to convene into closed session pursuant to Wisconsin State Statutes Section 19.85 (1) (e) to discuss the Wholesale Water Agreement.

Alderman Gehl made a motion to convene into closed session pursuant to Wisconsin State Statutes Section 19.85 (1) (e) to discuss the Wholesale Water Agreement. Board Member Cigale seconded the motion. All voted in favor, motion carried.

Adjournment.

Alderman Gehl made a motion to adjourn. Board Member Cigale seconded the motion. All voted in favor, motion carried.

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STAFF REPORT

Item: Purchase of core networking equipment

Recommendation: That the Board consider a motion to approve the purchase of networking equipment and software from SourceOne Technology in the amount of \$124,864.51.

Fiscal Impact: The 2024 Capital Improvement Program (CIP) included \$150,000 for this equipment (CIP #21023).

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 current core network hardware for the City was purchased during the move from the old City Hall to the new Civic Center in 2015. The hardware is coming up on nine years of life on its expected ten-year lifespan. Since the City purchased the equipment, it has expanded past its intended use and is currently at physical capacity. Additionally, it will no longer be supported by the vendor in 2025. The IT Department is looking to order and replace this equipment this year due to the supply chains lead time for networking equipment and the amount of time needed to configure and test the new system before implementation.

Options/Alternatives: The City can wait an additional year prior to the replacement of the core network, but in doing so could potentially lapse support coverage. If a vulnerability is found the vendor will not supply a patch for it moving forward, potentially leaving the City vulnerable to a cyberattack.

Respectfully submitted:

Prepared:

Andrew J. Vickers, MPA
City Administrator

Thomas Kramer
IT Director

Fiscal Review:



Maxwell Gagin, MPA
Deputy City Administrator / Finance Officer

Attachments: Quote: SourceOne Technology, Quotes received overview.



333 Bishops Way, Suite 120
 Brookfield, WI 53005

Quote

Date	Quote #
1/25/2024	603225

Name / Address
City of Oak Creek Thomas Kramer 8040 S 6th St Oak Creek, WI 53154

DQ#	Created By	Terms
FTQ-2736439	ZD	Net 15

Mfg Part #	Description	Qty	Rate	Total
	2024 - Core Network - RFQ Response (Pricing Valid Until 3/22/24)			
FG-901G	Fortinet FortiGate 901G	2.00	17,561.50	35,123.00
FS-2048F	Fortinet FortiSwitch 2048F	2.00	14,445.75	28,891.50
FG-201F	Fortinet FortiGate 201F	2.00	3,611.44	7,222.88
FC-10-FG9H1-247-02-12	Fortinet FortiGate 901G FortiCare Premium Support (1YR)	2.00	4,470.20	8,940.40
FC-10-F201F-811-02-12	Fortinet FortiGate 201F Enterprise Detection and Support (1YR)	2.00	3,906.925	7,813.85
FC-10-S2F48-247-02-12	Fortinet FortiSwitch 2048F FortiCare Premium Support (1YR)	2.00	1,838.55	3,677.10
FNC-CA-VM	FortiNAC Control and Application VM Server (Vmware or Hyper-V), for up to 15,000 concurrent ports	2.00	1,919.30	3,838.60
FC-10-NCVCA-248-02-12	FortiNAC Control and Application VM 1 Year FortiCare Premium Support	2.00	488.55	977.10
LIC-FNAC-PLUS-1K	FortiNAC Plus License for 1K concurrent endpoint devices	1.00	11,995.64	11,995.64
FC2-10-FNAC0-240-02-12	FortiCare Support for FortiNAC License 1 Year FortiCare Premium Support (100 Endpoints) for FortiNAC PLUS deployments	10.00	183.855	1,838.55
FAC-VM-BASE	Base FortiAuthenticator-VM with 100 user license. Unlimited vCPU	1.00	943.75	943.75
FC1-10-OACVM-248-02-12	FortiAuthenticator - VM License 1 Year FortiCare Premium Support (1-500 Users)	1.00	237.62	237.62

Quote valid until end-of-month unless otherwise noted. Any returns for opened items are subject to 25% restocking fees.	Subtotal	\$111,499.99
	Sales Tax (5.5%)	\$0.00
** THIS IS NOT AN INVOICE **	Total	\$111,499.99



333 Bishops Way, Suite 120
 Brookfield, WI 53005

Quote

Date	Quote #
2/2/2024	603288

Name / Address
City of Oak Creek Thomas Kramer 8040 S 6th St Oak Creek, WI 53154

DQ#	Created By	Terms
FTQ-2736439	ZD	Net 15

Mfg Part #	Description	Qty	Rate	Total
	2024 - Core Network - RFQ Response ***Optional Transceivers - Version 3*** (Pricing Valid Until 3/22/24)			
FN-TRAN-QSF P28-LR	Fortinet 100GE QSFP28 transceiver model, long range	2.00	2,694.42	5,388.84
FN-TRAN-SFP 28-LR	Fortinet 25GE SFP28 transceiver model, long range	2.00	958.055	1,916.11
FN-TRAN-SFP 28-SR	Fortinet 25GE SFP28 transceiver module, short range	10.00	491.732	4,917.32
FN-TRAN-SFP +SR	Fortinet 10GE SFP+ transceiver module, short range	14.00	64.51929	903.27
FN-TRAN-SFP +LR	10GE SFP+ transceiver module, long range	2.00	119.49	238.98

Quote valid until end-of-month unless otherwise noted. Any returns for opened items are subject to 25% restocking fees.	Subtotal	\$13,364.52
	Sales Tax (5.5%)	\$0.00
** THIS IS NOT AN INVOICE **	Total	\$13,364.52

Item	Qty	SourceOne Per	SourceOne Total	SH Per	SH Total	VprimeTech Per	VprimeTech Total	CoreBTS Per	CoreBTS Total	Description
FG-901G	2	\$17,561.50	\$35,123.00	\$20,125.00	\$40,250.00	\$ 20,001.91	\$ 40,003.82	\$23,035.73	\$46,071.46	FortiGate 901G
FS-2048F	2	\$14,445.75	\$28,891.50	\$16,555.00	\$33,110.00	\$ 16,453.18	\$ 32,906.36	\$18,948.75	\$37,897.50	FortiSwitch 2048F
FG-201F	2	\$3,611.44	\$7,222.88	\$4,139.00	\$8,278.00	\$ 4,113.30	\$ 8,226.60	\$4,528.19	\$9,056.38	FortiGate 201F
FC-10-FG9HL-247-02-12	2	\$4,470.20	\$8,940.40	\$4,696.00	\$9,392.00	\$ 4,650.45	\$ 9,300.90	\$5,081.41	\$10,162.82	FortiGate 901G Premium Support 1YR
FC-10-F201F-811-02-12	2	\$3,906.93	\$7,813.85	\$4,105.00	\$8,210.00	\$ 4,064.46	\$ 8,128.92	\$4,441.11	\$8,882.22	FortiGate 201F Enterprise Detection and Support 1YR
FC-10-S2F48-247-02-12	2	\$1,838.55	\$3,677.10	\$1,932.00	\$3,864.00	\$ 1,912.69	\$ 3,825.38	\$2,507.92	\$5,015.84	FortiSwitch 2048 Support 1YR
FNC-GA-VM	2	\$1,919.30	\$3,838.60	\$2,200.00	\$4,400.00	\$ 2,186.02	\$ 4,372.04	\$2,406.51	\$4,813.02	FortiNAC Control VM Server
FC-10-NCVCA-248-02-12	2	\$488.55	\$977.10	\$514.00	\$1,028.00	\$ 508.26	\$ 1,016.52	\$555.35	\$1,110.70	FortiNAC Support
LIC-FNAC-PLUS-1K	1	\$11,995.64	\$11,995.64	\$13,747.00	\$13,747.00	\$ 13,662.59	\$ 13,662.59	\$15,040.71	\$15,040.71	FortiNAC Plus license for 1k concurrent endpoints
FC2-10-FNACO-240-02-12	10	\$183.86	\$1,838.55	\$194.00	\$1,940.00	\$ 191.26	\$ 1,912.60	\$208.99	\$2,089.90	FortiNAC Plus Support 100 endpoints
FAC-VM-Base	1	\$943.75	\$943.75	\$1,068.00	\$1,068.00	\$ 1,061.39	\$ 1,061.39	\$1,168.45	\$1,168.45	FortiAuthenticator VM Base license
FC1-10-0ACVM-248-02-12	1	\$237.62	\$237.62	\$250.00	\$250.00	\$ 246.78	\$ 246.78	\$269.64	\$269.64	FortiAuthenticator VM Support
			\$111,499.99	\$125,537.00		\$	\$ 124,663.90	\$	\$ 141,578.64	
FN-TRAN-OSFP28-LR	2	\$2,694.42	\$5,388.84	\$3,303.00	\$6,606.00	\$ 3,270.23	\$ 6,540.46	\$3,573.30	\$7,146.60	100GB 10KM
FG-TRAN-SFP28-LR	6	\$958.06	\$5,748.33	\$1,175.00	\$7,050.00	\$ 1,162.80	\$ 6,976.80	\$1,270.56	\$7,623.36	25GB 10KM
FN-TRAN-SFP28-SR	2	\$491.73	\$983.46	\$609.00	\$1,218.00	\$ 596.82	\$ 1,193.64	\$652.13	\$1,304.26	25GB SR
FN-TRAN-SFP4SR	4	\$64.52	\$258.08	\$84.00	\$336.00	\$ 78.31	\$ 313.24	\$85.56	\$342.24	10GB SR
FN-TRAN-SFP4LR	2	\$119.49	\$238.98	\$153.00	\$306.00	\$ 145.03	\$ 290.06	\$158.46	\$316.92	10GB 10KM
			\$12,617.69	\$15,516.00		\$	\$ 15,314.20	\$	\$ 16,733.38	
			\$124,117.68	\$141,053.00		\$139,978.10		\$158,312.02		
			Revised Transceivers		\$13,364.52					
			Total		\$124,864.51					

STAFF REPORT

Item: Purchase of copiers

Recommendation : That the Board consider a motion to approve the purchase of six copiers in the amount of \$19,832.26 from Rhyme.

Fiscal Impact : This equipment would be funded with the 2024 Copier and Printer Replacement capital improvement fund.

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: We currently purchase the City copiers with the intent on utilizing them for ten years. We are looking to replace the three copiers and three printers in the City's fleet that have high usage and are exceeding the ten-year average lifespan.

Options/Alternatives : While these copiers may continue to operate if they are not replaced there is potential for them to fail. With the age of the copiers, replacement parts are hard to come by and becoming more expensive. The manufactures are also no longer providing software or firmware updates which could allow these devices to be used for cyberattacks against the City.

Respectfully submitted:

Prepared:

Andrew J. Vickers, MPA
City Administrator

Thomas Kramer
IT Director

Fiscal Review:



Maxwell Gagin, MPA
Deputy City Administrator / Finance Officer

Attachments:

	Impact	Ricoh	Ricoh Alt	Novatech	OTG	Rhyme	Gordon
Top							
1 Make	Kyocera	Ricoh	Ricoh	Sharp	Sharp	Sharp	Canon
Model	5054ci	IM C6010	IM C4510	BP-70C55	BP-70C55	BP-50C55	iR ADV DX C5850I
Price	\$6,912.40	\$8,120.58	\$6,531.32	\$6,896.71	Bundle	Bundle	\$6,110.00
Color Rate	0.058	0.005	0.005	0.0526		0.039	0.0387
BW Rate	0.013	0.0256		0.0098		0.0042	0.0052
Middle							
2 Make	Kyocera	Ricoh	Ricoh	Sharp	Sharp	Sharp	Canon
Model	2554ci	IM C3010	IM C2510	BP-70C31	BP-70C31	BP-50C26	iR ADV DX C259IF
Price	\$ 4,749.80	\$ 5,167.03	\$ 3,744.19	\$ 5,183.10	Bundle	Bundle	\$ 2,537.00
Color Rate	0.058	0.005	0.049	0.0669		0.039	0.0387
BW Rate	0.013	0.0272	0.0082	0.0118		0.0042	0.0052
Low							
3 Make	Kyocera	Ricoh	Ricoh	HP	Sharp	Xerox	Canon
Model	2554ci	IM C300F	IM C400SRF	E472528f	MXC304WH	Versalink C415	imageClass X MF 1538C
Price	\$ 1,442.30	\$ 1,879.84	\$ 2,279.55	\$ 1,149.17	Bundle	Bundle	\$ 1,180.00
Color Rate	0.058	0.0669	0.0689	0.1		0.039	0.0612
BW Rate	0.013	0.0101	0.0123	0.0176		0.0042	0.0087
Hardware Total	\$20,738.90	\$24,094.16	\$20,858.35	\$20,710.42	\$26,799.00	\$17,681.24	\$14,724.00
Rebates		\$2,405.00	\$2,030.00				
		\$21,689.16	\$18,828.35				
With External Finisher						\$19,832.26	\$16,406.00

For Desktop copiers estimated print, Rhyme will be a maximum 3 year return on price difference making it more cost effective.

STAFF REPORT

Item: Fire Station 3 Interior Painting Project

Recommendation: That the Board of Public Works and Capital Assets approves the funding for the Fire Station 3 interior painting project.

Fiscal Impact: The quoted cost of the project is \$14,910, which will be funded through the \$17,000 allocated in Capital Improvement Program #24006.

Critical Success Factor(s):

- Active, Vibrant, and Engaged Community
- Financial Stability and Resiliency
- Thoughtful Growth and Prosperous Local Economy
- Clean, Safe, and Welcoming
- Inspired, Aligned, and Proactive City Organization
- Quality Infrastructure, Amenities, and Services
- Not Applicable

Background: In addition to housing emergency response resources, Fire Station No. 3 also serves as the administrative headquarters for the Department, regularly hosting public meetings and classroom trainings. As the station approaches its 25th year of service, the Department is recommending initiatives to maintain the building and preserve its usefulness. This project will include the repair of numerous wall defects and the painting of all interior rooms excluding the apparatus bay and newly renovated dorm.

Options/Alternatives : NA

Respectfully submitted:

Andrew J. Vickers, MPA
City Administrator

Prepared:



Michael A. Kressuk, Jr
Fire Chief

Fiscal Review:



Maxwell Gaggin, MPA
Deputy City Administrator / Finance Officer

Attachments: Fire Station No. 3 Interior Painting Quote



Commercial • Industrial • Residential

Oak Creek Fire Station # 3
7000 S. 6th. Street
Oak Creek, WI 53154

7-23-23

Re: Interior Painting
Attn. John Martin

Areas Included: All walls, drywall ceilings and hollow metal frames. Not included: New construction (dorm rooms).

Preparation: Tape, plastic and drop off all areas not being painted. Patch any unwanted nail holes or cracks, sand smooth and texture to match. Sand the hollow metal frames to create a profile for proper adhesion.

Finish: Brush and roll two full coats on the hollow metal frames using Sherwin Williams Sher-Cryl Semi-Gloss.

Brush and roll the walls two full coats using Sherwin Williams Super Paint Latex Satin or similar sheen to be chosen.

Brush and roll the drywall ceilings using Sherwin Williams Super Paint Latex Flat.

Apply at a rate not to exceed 300 sf per gallon. Colors to be chosen by the owner.

Total labor and materials: \$14,910.00 (before the end of April)

Total labor and materials: \$16,560.00 (after the end of April)

Sincerely
Steve Smikowski



Commercial • Industrial • Residential

Oak Creek Fire Station # 3
7000 S. 6th. Street
Oak Creek, WI 53154

7-23-23

Re: Cabinet Painting
Attn. John Martin

Areas included: Kitchen cabinets

Preparation: Remove all the doors and drawers while marking them for re-install. Wash and sand the doors, drawers and boxes to create a profile for proper adhesion of the primer.

The doors and drawers will be taken to the shop to be sprayed. The boxes will be done in place. We will brush and roll the boxes and spray the doors and drawers using one coat of Sherwin Williams Bonding primer.

Finish: After the prime coat is dry all areas shall be sanded smooth prior to the finish coat. The finish coat will be spray applied to the doors and drawers using Sherwin Williams Emerald Satin or Semi-Gloss. The boxes will be brush and rolled using the same. After proper dry time the doors and drawers will be re-installed.

Total labor and materials: \$7,745.00

Alternates:

Touch up nicks, scratches and apply one coat Poly Urethane. \$2,630.00

Touch up the nicks and scratches at the wood surround at the secretary station. \$390.00

1230 51st Street • Caledonia, WI 53108

Phone: 262.835.2747 • Fax: 262.835.2754 • Cell: 414.507.3178 • E-mail: Tristarsmik@aol.com



STAFF REPORT

Item: W. Elm Road Sanitary Sewer Petition Approval

Recommendation: That the Board considers a motion to approve the sanitary sewer of the W Elm Road petition. (5th Aldermanic District)

Fiscal Impact: None

Critical Success Factor(s):

- Active, Vibrant, and Engaged Community
- Financial Stability and Resiliency
- Thoughtful Growth and Prosperous Local Economy
- Clean, Safe, and Welcoming
- Inspired, Aligned, and Proactive City Organization
- Quality Infrastructure, Amenities, and Services
- Not Applicable

Background: A petition has been received for the extension of sewer main along W Elm Road spanning from S. 13th Street to approximately 1,440 feet west, ending at the street's dead end. The proposed project entails installing about 3,045 LF of 8" and 12" sanitary sewer in W. Elm Road and on PPG-owned property.

There are two options for the sanitary service. The first option is to bring the sanitary sewer across PPG property. This has an estimated cost of \$1,332,000. The second is extending along S. 13th Street and then to Elm Road. This route will require hung sewers in the homes or grinder pumps as it will be very shallow. A more detailed analysis would be need to see if this is feasible. The second option has an estimated cost of \$1,198,000. The petition was initiated with the understanding that some homes on W. Elm Road have failed septic systems.

Using the first option with an estimated cost of the sanitary sewer is \$1,332,000 with a 20 year sewer assessment payback of \$649,340 and a 10 year sewer assessment payback of \$195,072. This leaves a Utility funded portion of \$487,588 (37%). A financial feasibility analysis of the sanitary portion of the project indicated a \$22,000 loss for the Utility for the next 20 years.

If the Board approves this petition, the project and associated special assessments, will be presented to the City of Oak Creek Common Council for approval, pending a public hearing and official Council vote. It's important to note there is currently no specific funding allocated for this project.

Options/Alternatives: Deny the petition and the parcels can be served by septic.


Respectfully submitted:

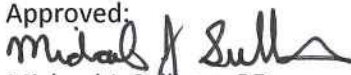
Andrew J. Vickers, MPA
City Administrator

Fiscal Review:

 Kristina Strmsek
 Finance & Accounting Manager

Prepared:


 Brian L. Johnston, PE
 Utility Engineer

Approved:

 Michael J. Sullivan, PE
 General Manager



CITY OF OAK CREEK

PUBLIC WORKS PERMANENT IMPROVEMENT PETITION

We, the undersigned owners of affected properties, do hereby petition the Common Council of the City of Oak Creek to install the following public service(s) to be installed in accordance with the ordinances of the City of Oak Creek. We accept that special assessments are to be levied according to the provisions of said ordinances.

Service: Public Sanitary Sewer / water

In: W Elm Road

From: S. 13th Street

To: 1400 ft West of S. 13th Street

Owners of Affected Properties

No.	Signature	Property Address	Date
1	<i>Donna L. Schulz</i>	1500 W Elm Rd	1-14-24
2	<i>Christina O'Keefe</i>	1644 W Elm Rd	1-14-24
3	<i>Trisha L. Baker</i>	1575 W Elm Rd	1-16-24
4	<i>Jerome Wendelberger</i>	1501 W Elm Rd	1-16-24
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

Completed petition is to be presented by the circulator in the office of the City Clerk and is to be signed by the circulator in the presence of a person authorized to administer oaths and notarize documents.

Affidavit of Circulator

STATE OF WISCONSIN)
MILWAUKEE COUNTY)SS

I, Jerome Wendelberger, being duly sworn, state I reside at 1501 W. Elm Rd.
(Circulator's Name) (Circulator's Address)

I personally circulated this petition paper and personally obtained each of the signatures on this paper. I know that the signers are owners of property that would be affected by the installation of public services as set out in this petition. I know that each person signed this paper with full knowledge of its contents on the date indicated opposite his or her name. I own property that would be affected by the installation of public services as set out in this petition. I am aware that falsifying this affidavit is punishable under SS 946.32 of Wisconsin Statutes.

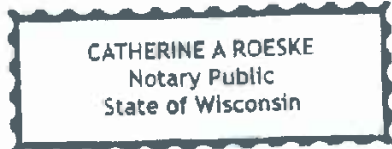
Jerome Wendelberger
(Circulator's Signature)

Subscribed and sworn to before me this 17th day of January, 2024

Signature of person authorized to administer oaths: Catherine A. Roeske

My commission expires: 5/2025 (or) is permanent: _____

Official title: City Clerk (or) Notary Public: X





1 inch = 500 feet



OAK CREEK
WATER AND SEWER UTILITY

Date Printed: 2/5/2024



PRELIMINARY COST ESTIMATE FOR ASSESSMENT
W. ELM ROAD SANITARY

Location Address		1555 W ELM ROAD		Legal		CSM NO 5962 PARCEL 3 SE 1/4 SEC 31-5-22		Tax Key Number		976-9008-000	
Owner Name & Address		CHRIS GUNDERSON JAIMIE GUNDERSON 1555 W ELM ROAD OAK CREEK, WI 53154		Description		TOTAL ACREAGE 0.69		Benefits		Damages	
Item Description	Item Code	Assessable Unit Measure	Assessable Unit Cost	Unit Type	Total Item Assessment	Remarks	Accrued	Incurred	Special Assessment Chargeable To Property		
SEWER MAIN		120.00	\$128.00	LF	\$15,360.00	10 YEAR PAYBACK					
SEWER LAT		33.00	\$256.00	LF	\$8,448.00		\$23,808.00	\$0.00	\$23,808.00		

Location Address		1575 W ELM ROAD		Legal		CSM NO 5962 PARCEL 4 SE 1/4 SEC 31-5-22		Tax Key Number		976-9009-000	
Owner Name & Address		ERIKA BAHR 1575 W ELM ROAD OAK CREEK, WI 53154		Description		TOTAL ACREAGE 0.78		Benefits		Damages	
Item Description	Item Code	Assessable Unit Measure	Assessable Unit Cost	Unit Type	Total Item Assessment	Remarks	Accrued	Incurred	Special Assessment Chargeable To Property		
SEWER MAIN		155.00	\$128.00	LF	\$19,840.00	10 YEAR PAYBACK					
SEWER LAT		33.00	\$256.00	LF	\$8,448.00		\$28,288.00	\$0.00	\$28,288.00		

Location Address		1641 W ELM ROAD		Legal		CSM NO 1396 PARCEL 1 SEC 31-5-22		Tax Key Number		976-9004-000	
Owner Name & Address		DENNIS O'KEEFE CHRISTINE O'KEEFE 1641 W ELM ROAD OAK CREEK, WI 53154		Description		TOTAL ACREAGE 1.43		Benefits		Damages	
Item Description	Item Code	Assessable Unit Measure	Assessable Unit Cost	Unit Type	Total Item Assessment	Remarks	Accrued	Incurred	Special Assessment Chargeable To Property		
SEWER MAIN		100.00	\$128.00	LF	\$12,800.00	10 YEAR PAYBACK					
SEWER LAT		33.00	\$256.00	LF	\$8,448.00		\$21,248.00	\$0.00	\$21,248.00		



STAFF REPORT

Item: W. Elm Road Water Main Petition Approval

Recommendation: That the Board considers a motion to approve the water main of the W Elm Road petition. (5th Aldermanic District)

Fiscal Impact: None

- Critical Success Factor(s):**
- Active, Vibrant, and Engaged Community
 - Financial Stability and Resiliency
 - Thoughtful Growth and Prosperous Local Economy
 - Clean, Safe, and Welcoming
 - Inspired, Aligned, and Proactive City Organization
 - Quality Infrastructure, Amenities, and Services
 - Not Applicable

Background: A petition has been received for the extension of water main along W Elm Road spanning from S. 13th Street to approximately 1,440 feet west, ending at the street's dead end. The proposed project entails installing about 1,440 LF of 8" PVC water main in W. Elm Road.

The estimated cost of the water main is \$588,000 with a 20 year sewer assessment payback of \$159,960 and a 10 year sewer assessment payback of \$147,312. This leaves a Utility funded portion of \$280,728 (48%). A financial feasibility analysis of the water portion of the project indicated a \$12,000 loss for the Utility for the next 20 years.

If the Board approves this petition, the project and associated special assessments, will be presented to the City of Oak Creek Common Council for approval, pending a public hearing and official Council vote. It's important to note there is currently no specific funding allocated for this project.

Options/Alternatives: Deny the entire petition and the parcels can be served by wells.

Respectfully submitted:

Andrew J. Vickers, MPA
City Administrator

Fiscal Review:

Kristina Strmsek
Finance & Accounting Manager

Prepared:

Brian L. Johnston, PE
Utility Engineer

Approved:

Michael J. Sullivan, PE
General Manager

Attachments: Location map, Preliminary cost estimate



CITY OF OAK CREEK

PUBLIC WORKS PERMANENT IMPROVEMENT PETITION

We, the undersigned owners of affected properties, do hereby petition the Common Council of the City of Oak Creek to install the following public service(s) to be installed in accordance with the ordinances of the City of Oak Creek. We accept that special assessments are to be levied according to the provisions of said ordinances.

Service: Public Sanitary Sewer / Water

In: W. Elm Road

From: S. 13th Street

To: 1,400 ft West of S. 13th Street

Owners of Affected Properties

Table with 4 columns: No, Signature, Property Address, Date. Contains 4 rows of handwritten entries.

Completed petition is to be presented by the circulator in the office of the City Clerk and is to be signed by the circulator in the presence of a person authorized to administer oaths and notarize documents.

Affidavit of Circulator

STATE OF WISCONSIN)
MILWAUKEE COUNTY)

I, Janoma Weindelberger, being duly sworn, state I reside at 1501 W. Elm Rd.

I personally circulated this petition paper and personally obtained each of the signatures on this paper. I know that the signers are owners of property that would be affected by the installation of public services as set out in this petition. I know that each person signed this paper with full knowledge of its contents on the date indicated opposite his or her name. I own property that would be affected by the installation of public services as set out in this petition. I am aware that falsifying this affidavit is punishable under SS 946.32 of Wisconsin Statutes.

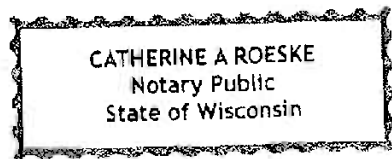
Handwritten signature of Janoma Weindelberger

Subscribed and sworn to before me this 17th day of January, 2024

Signature of person authorized to administer oaths: C. Colledge

My commission expires: 5/2025 (or) is permanent: _____

Official title: City Clerk (or) Notary Public: X





1 inch = 200 feet





PRELIMINARY COST ESTIMATE FOR ASSESSMENT
W. ELM ROAD WATER

Location Address		Legal Description		Tax Key Number				
1720 W ELM ROAD		THAT PART OF W 1/2 OF NE 1/4 SEC 31-5-22 LYING SELY OF HWY		953-9993-000				
Owner Name & Address		TOTAL ACREAGE 13.45		Benefits Accrued				
STEPHEN J SPIDELL MAGALY SANTANA-SPIDELL 1720 W ELM ROAD OAK CREEK, WI 53154				\$9,300.00				
Item Description	Item Code	Assessable Unit Measure	Assessable Unit Cost	Unit Type	Total Item Assessment	Remarks	Damages Incurred	Special Assessment Chargeable To Property
WATER MAIN		100.00	\$93.00	LF	\$9,300.00		\$0.00	\$9,300.00
WATER LAT		0.00	\$186.00	LF	\$0.00		\$0.00	

Location Address		Legal Description		Tax Key Number				
1540 W ELM ROAD		CSM NO 2388 PARCEL 1 NE 1/4 SEC 31-5-22		953-9001-000				
Owner Name & Address		TOTAL ACREAGE 1.39		Benefits Accrued				
DONNA L PHILLIPPS 1540 W ELM ROAD OAK CREEK, WI 53154				\$20,088.00				
Item Description	Item Code	Assessable Unit Measure	Assessable Unit Cost	Unit Type	Total Item Assessment	Remarks	Damages Incurred	Special Assessment Chargeable To Property
WATER MAIN		150.00	\$93.00	LF	\$13,950.00	10 YEAR PAYBACK	\$0.00	\$20,088.00
WATER LAT		33.00	\$186.00	LF	\$6,138.00		\$0.00	

Location Address		Legal Description		Tax Key Number				
1518 W ELM ROAD		CSM NO 2388 PARCEL 1 NE 1/4 SEC 31-5-22		953-9001-000				
Owner Name & Address		TOTAL ACREAGE 1.39		Benefits Accrued				
ROBERT MCGRATH DARLENE MCGRATH 1518 W ELM ROAD OAK CREEK, WI 53154				\$20,088.00				
Item Description	Item Code	Assessable Unit Measure	Assessable Unit Cost	Unit Type	Total Item Assessment	Remarks	Damages Incurred	Special Assessment Chargeable To Property
WATER MAIN		150.00	\$93.00	LF	\$13,950.00	10 YEAR PAYBACK	\$0.00	\$20,088.00
WATER LAT		33.00	\$186.00	LF	\$6,138.00		\$0.00	

STAFF REPORT

Item: Underground Facilities Rehabilitation Alternative Design Selection

Recommendation: That the Board considers a motion to approve the Underground Facilities Rehabilitation project alternative design selection option 2B. (Project No. 22118) (All Aldermanic Districts)

Fiscal Impact: None

Critical Success Factor(s):

- Active, Vibrant, and Engaged Community
- Financial Stability and Resiliency
- Thoughtful Growth and Prosperous Local Economy
- Clean, Safe, and Welcoming
- Inspired, Aligned, and Proactive City Organization
- Quality Infrastructure, Amenities, and Services
- Not Applicable

Background: Engineering has been working with Jacobs on the alternative design analysis for the treatment plant project to address the Wisconsin Department of Natural Resources deficiencies at the plant. The project involves the following issues: Buried suction lines from reservoirs are not under a continuous pressure head, which is higher than the elevation of the ground surface at all times, The clear wells do not have adequate venting or overflows or access hatches, The floor of the clear well is not at least two feet above the water table, and The overall protection for the clear wells is not adequate. Jacobs developed 6 alternatives to address these issues. Meetings were held with Franklin and WDNR to discuss the proposed alternatives. Based on these discussions Franklin and Oak Creek evaluated the 6 alternatives. The most cost beneficial alternative was found to be option 2B. This provides a new above ground chlorine contact tank, a new intermediate pumping station with uv and a new high lift pumping station. The next step would be for Jacobs to start designing the proposed alternative project.

Options/Alternatives: The Board could choose a different alternative from the list.


Respectfully submitted:

Andrew J. Vickers, MPA
City Administrator

Fiscal Review:

Kristina Strmsek
Finance & Accounting Manager

Prepared:


Brian L. Johnston, PE
Utility Engineer

Approved:

Michael J. Sullivan, PE
General Manager

Attachments:

Executive Summary

Background

The Oak Creek Water and Sewer Utility (OCWSU) has several underground facilities that do not meet Wisconsin Department of Natural Resources (DNR) regulations and present a potential adverse public health risk. In particular, the chlorine contact (CT) tank and high lift pump station (HLPS) clearwell are concrete structures located over 20 feet below the ground surface and contain treated drinking water. Groundwater around the structures can be higher than the potable water inside (Figure ES-1), creating the potential for groundwater to leak through cracks or joints in the concrete and contaminate the drinking water.

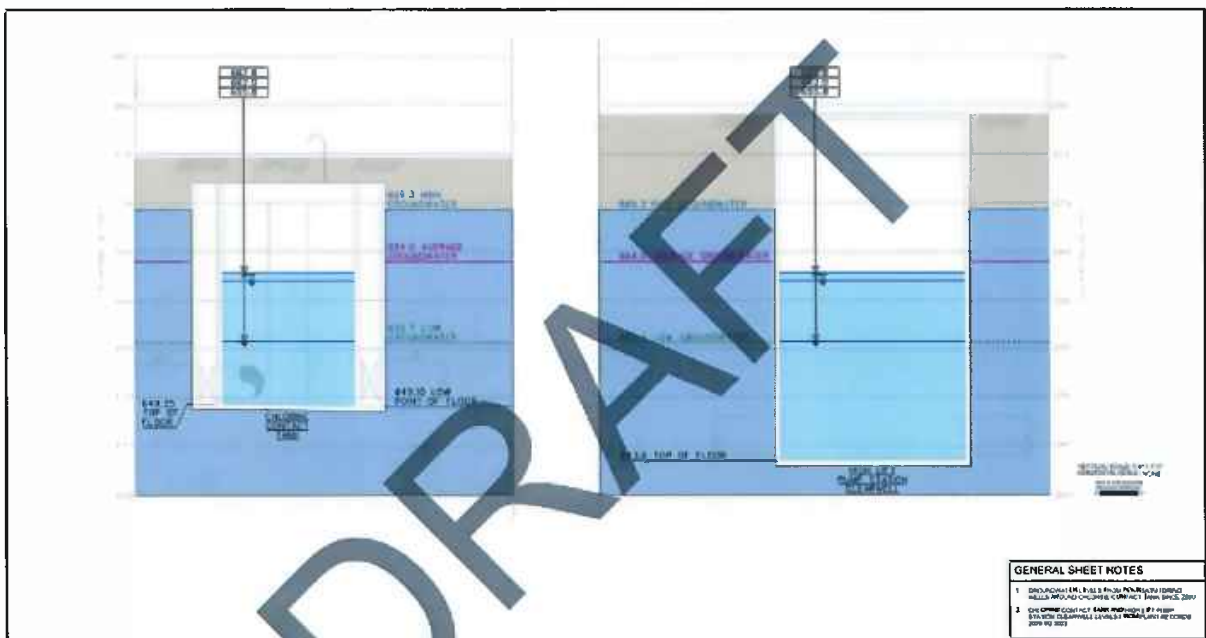


Figure ES-1. Groundwater Levels around the CT Tank and HLPS Clearwell

The DNR has noted the nonconforming features of Oak Creek's underground facilities at the water treatment plant (WTP) in sanitary surveys since 2008. OCWSU designed a Water Quality Improvements project that would have rectified the deficiencies. The DNR approved the project for construction. However, the construction authorization for the project was not approved by the Wisconsin Public Service Commission (PSC). The City of Franklin contested the capacity and cost of the project, and the PSC did not authorize construction of the project.

This report takes a fresh look at alternatives to address DNR regulatory noncompliance issues, using the latest information on DNR requirements and water-demand projections. This study was developed collaboratively with the OCWSU, City of Franklin, and the DNR to identify, evaluate, and select a project that corrects the underground tank deficiencies and is acceptable to all parties.

Alternatives Development

Six alternatives were developed through collaboration with the OCWSU, the City of Franklin, and DNR. Meetings were held with OCWSU, the City of Franklin, and DNR from June to December 2023 to brainstorm alternatives and select the alternatives for final evaluation.

The selected alternatives are divided into the following three major groups:

- **Group 1** includes rehabilitation of the existing underground CT tank and HLPS.
 - Alternative 1A provides new downstream disinfection with chlorine.
 - Alternative 1B provides new downstream disinfection with ultraviolet light (UV).
- **Group 2** includes a new aboveground CT tank, new intermediate pump station (IPS), and new HLPS.
 - Alternative 2A includes the 3 new facilities above.
 - Alternative 2B includes the 3 new facilities above plus new UV and a smaller CT tank.
- **Group 3** includes a new aboveground CT tank and a combination of new and rehabilitated pump stations.
 - Alternative 3A has a new IPS and a rehabilitated existing HLPS.
 - Alternative 3B has a new HLPS and the existing HLPS is rehabilitated to an IPS.

Table ES-1 summarizes the elements of each alternative.

Table ES-1. Alternatives Summary

Alternative	CT Tank	IPS	HLPS	Disinfection
1A	Existing Rehabilitated	None	Existing Rehabilitated with new vertical turbine pumps	Chlorine in existing CT tank. Chlorine in new pipes after HLPS. Temporary UV during construction.
1B	Existing Rehabilitated	None	Existing Rehabilitated with new vertical turbine "Can" pumps	Chlorine in existing CT tank. New UV before HLPS.
2A	New	New	New	Chlorine in new CT Tank.
2B	New, smaller	New	New	Chlorine in new CT Tank. New UV in new IPS.
3A	New	New	Existing Rehabilitated with new vertical turbine "Can" pumps	Chlorine in new CT Tank.
3B	New	Existing HLPS Rehabilitated with new vertical turbine pumps	New	Chlorine in new CT Tank.

Alternatives Evaluation

Through collaboration with the OCWSU, the City of Franklin, and DNR, the following evaluation criteria were developed and weighted in order of importance.

- Water quality and public health 31%
- Long-term viability 22.5%
- Operations & Maintenance 20%
- Constructability 19%
- Public perception 7.5%

Each of the six alternatives were evaluated based on the five criteria. A score of 1 (worst) to 10 (best) was assigned for each criterion. The scores for each alternative were developed independently by OCWSU and the City of Franklin. Then the results were averaged to get final scores.

Using the average criteria weighting and alternatives scores from the OCWSU and City of Franklin results in the alternative benefit scores in Figure ES-2.

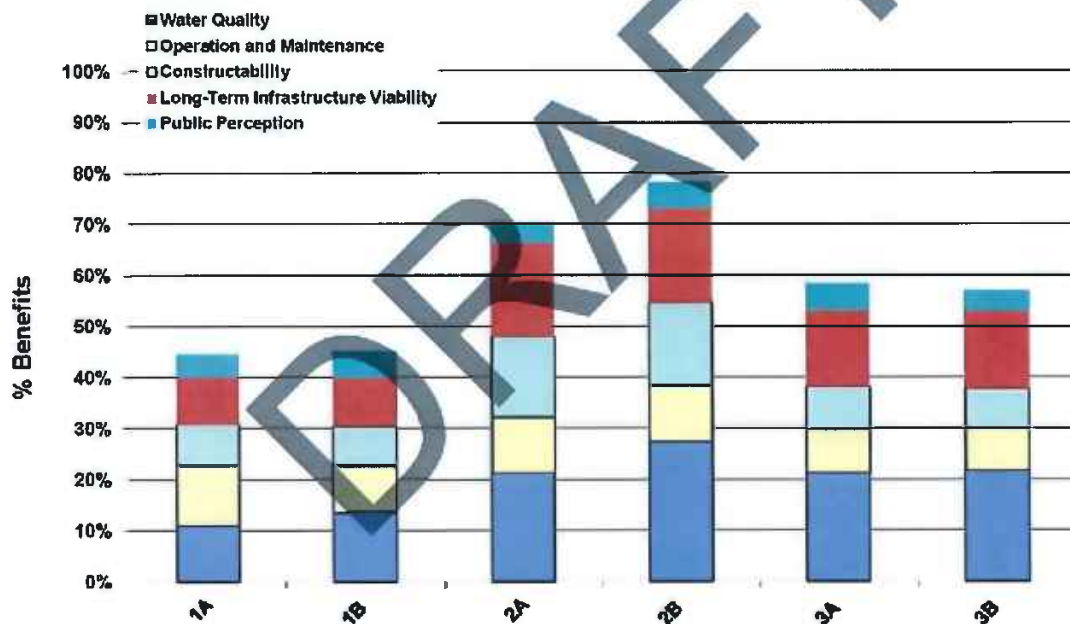


Figure ES-2. Alternative Benefits – Average of OCWSU and City of Franklin

After discussion of the pros and cons of each alternative in a meeting with the OCWSU, DNR, and City of Franklin, it was determined that the benefits shown in Figure ES-2 are a reasonable representation of the relative benefit differences between the six alternatives.

Cost Estimates

Capital costs for each alternative were estimated based on a conceptual level design (Class 5). Capital costs include construction, contractor markups, contingency, escalation to midpoint of construction (estimated in 2027 or 2028) and engineering services. The estimated total capital cost of each alternative is in Table ES-2.

Table ES-2. Alternative Cost Estimates

Alternative	Description	Capital Cost (\$ Millions)
1A	<ul style="list-style-type: none"> ▪ Rehab CT Tank ▪ Rehab HLPS ▪ Temporary UV ▪ Chlorine Pipes 	\$41.5
1B	<ul style="list-style-type: none"> ▪ Rehab CT Tank ▪ Rehab HLPS ▪ Permanent UV 	\$62.6
2A	<ul style="list-style-type: none"> ▪ New CT Tank ▪ New IPS ▪ New HLPS 	\$44.5
2B	<ul style="list-style-type: none"> ▪ New CT Tank (small) ▪ New IPS ▪ New HLPS ▪ New UV 	\$45.1
3A	<ul style="list-style-type: none"> ▪ New CT Tank ▪ New IPS ▪ Rehab HLPS 	\$40.0
3B	<ul style="list-style-type: none"> ▪ New CT Tank ▪ Rehab HLPS to IPS ▪ New HLPS 	\$40.0

The costs above are based on a water production capacity of 18.4 million gallons per day (mgd) for year 2060 water-demand forecast, including the City of Oak Creek, the City of Franklin, and Caledonia. The water-demand forecast for the City of Oak Creek and Caledonia only is 10.2 mgd. The cost of a 10.2-mgd alternative is about 23% less than that of an 18.4-mgd alternative. For example, the cost of 18.4-mgd Alternative 2B is \$45 million, and the cost of 10.2-mgd Alternative 2B is about \$35 million.

Benefits and Costs

Figure ES-3 shows the benefits and costs of each alternative. The benefits are the average of those determined by the OCWSU and the City of Franklin.

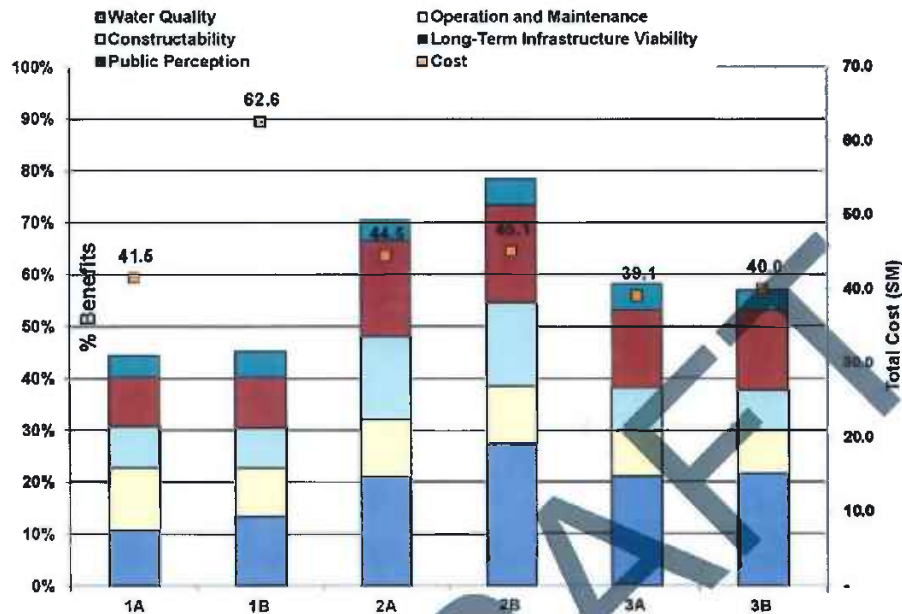


Figure ES-3. Alternative Benefits and Costs

From Figure ES-3 it is clear that Alternatives 2A and 2B have the highest benefits for the cost. Alternative 1B has low benefits and high costs. Alternative 1A has the next worst benefits for the cost. Alternatives 3A and 3B have slightly lower costs than Alternatives 2A and 2B, but the benefits are much lower.

To further quantify the tradeoffs between benefits and costs, cost can be considered as one of the benefit criteria. In a meeting with the City of Franklin and the OCWSU, cost was agreed to have an importance weighting less than water quality but similar to the second-most important criteria of long-term viability. If we give cost a weighting that is second in importance, the tradeoffs between benefits and costs are shown in Figure ES-4.

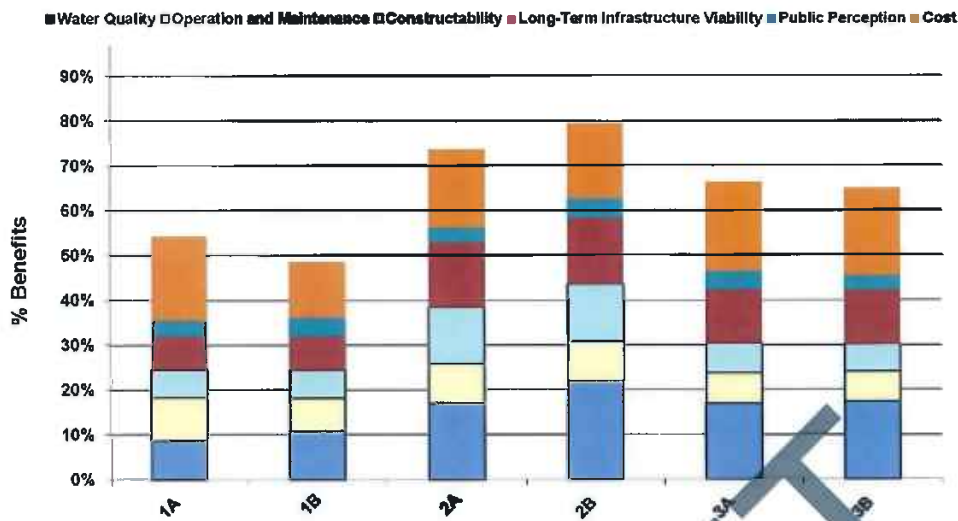


Figure ES-4. Alternative Benefits Using Cost as a Criteria

Using this benefit-cost analysis method, Alternative 2B is ranked highest.

Conclusions

After an extensive evaluation of the benefits and costs for six alternatives, Alternative 2B had the highest overall benefits, factoring in cost.

Alternative 2B consists of:

- A new IPS with UV disinfection
- A new aboveground CT tank
- A new HLPS
- Use the existing HLPS to house electrical equipment

Figure ES-5 shows a process flow diagram for Alternative 2B.

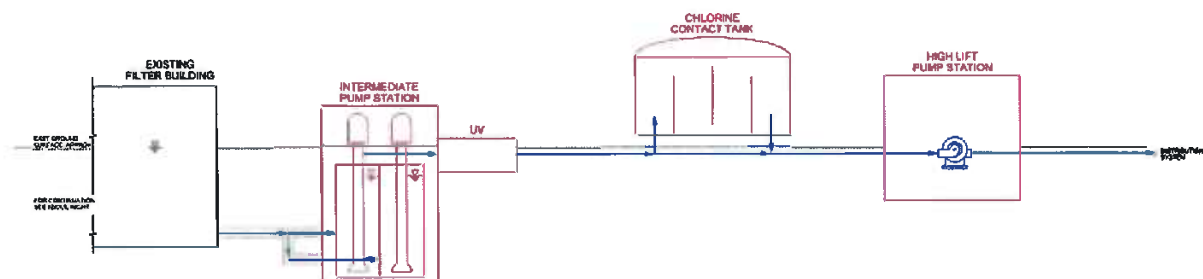


Figure ES-5. Alternative 2B Process Flow Diagram

The major benefits of Alternative 2B are:

- ✓ Eliminates the water quality risks of having drinking-water storage underground and below groundwater.
- ✓ Provides an additional disinfection barrier (UV) for *Cryptosporidium* and other pathogens.
- ✓ UV improves operational flexibility by allowing the CT tank to be dry inspected anytime while maintaining full plant capacity.
- ✓ New facilities have the longest service life and reliability.
- ✓ The existing HLP5 can be used to house electrical equipment and other uses.
- ✓ Provides optimum layout of new facilities for better O&M.
- ✓ Is the simplest and fastest to construct, with minimal disruption to the existing plant operations or capacity.
- ✓ Enhances public perception of the project by providing a *Cryptosporidium* barrier, minimizing risk to water service during construction, and providing new facilities with the longest service life and reliability.

Recommendations

Alternative 2B is the recommended alternative. It provides the most benefits for the cost. It improves water quality and public health protection more than any other alternative. Alternative 2B not only makes the OCWSU WTP compliant with DNR regulations and codes, but it also eliminates the risk of an underground tank entirely and provides an additional disinfection barrier to *Cryptosporidium* and other waterborne pathogens.

Alternative 2B also provides the longest and most reliable infrastructure service life of any alternative.

Alternative 2B presents the lowest risk to water quality and water service reliability during construction. The new facilities will provide ease of operations and maintenance and a longer service life with less maintenance compared to rehabilitated facilities.

STAFF REPORT

Item: Design services contract for Abendschein Park Water Main Extension

Recommendation: That the Board considers a motion to enter into a contract with raSmith for the design, wetland permitting, soil borings, and construction staking for the Abendschein Park Water Main Extension in the amount not to exceed \$53,700. (Project No. 24111) (1st Aldermanic District)

Fiscal Impact: None

Critical Success Factor(s):

- Active, Vibrant, and Engaged Community
- Financial Stability and Resiliency
- Thoughtful Growth and Prosperous Local Economy
- Clean, Safe, and Welcoming
- Inspired, Aligned, and Proactive City Organization
- Quality Infrastructure, Amenities, and Services
- Not Applicable

Background: The Board approved the 2024 Capital Improvement Project budget to construct the water main extension through Abendschein Park. This will loop the water main from the Stonebrook development to Drexel Avenue through the park. The project will extend approximately 1,350 LF of 8" PVC water main. The project will increase fire flow and water quality for the Stonebrook development. Graef submitted a proposal for the work at a cost of \$45,950.

Options/Alternatives: The motion could be awarded to Graef.


Respectfully submitted:

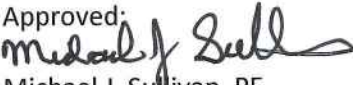
Andrew J. Vickers, MPA
City Administrator

Fiscal Review:

Kristina Strmsek
Finance & Accounting Manager

Prepared:


Brian L. Johnston, PE
Utility Engineer

Approved:

Michael J. Sullivan, PE
General Manager

Attachments:



1 inch equals 125 feet

Legend

— Existing Water Main

- - - Proposed Water Main



Date printed: 10/26/2023

STAFF REPORT

Item: Design services contract for Shepard Avenue Water Relay

Recommendation: That the Board considers a motion to enter into a contract with raSmith for the design, soil borings, and construction staking for the Shepard Avenue water relay project in the amount not to exceed \$38,500. (Project No. 24115) (3rd Aldermanic District)

Fiscal Impact: 2024 Capital Improvement Budget

Critical Success Factor(s):

- Active, Vibrant, and Engaged Community
- Financial Stability and Resiliency
- Thoughtful Growth and Prosperous Local Economy
- Clean, Safe, and Welcoming
- Inspired, Aligned, and Proactive City Organization
- Quality Infrastructure, Amenities, and Services
- Not Applicable

Background: The Board approved the 2024 Capital Improvement Project budget to construct the water main relay along S. Shepard Avenue from E. Puetz Road to E. Groveland Drive. This will replace the 1958 12-inch cast iron and 1965 12-inch ductile iron pipe along S. Shepard Avenue. The project will relay approximately 1,285 LF of 12" PVC water main. This section of main has had 23 breaks on it over the years. It impacts Edgewood Elementary School, a day care and 11 homes. This main is recommended for replacement in the water master plan. Graef submitted a proposal for the work at a cost of \$40,650.

Options/Alternatives: The motion could be awarded to Graef.


Respectfully submitted:

Andrew J. Vickers, MPA
City Administrator

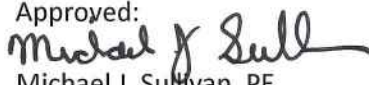
Fiscal Review:

Kristina Strmsek
Finance & Accounting Manager

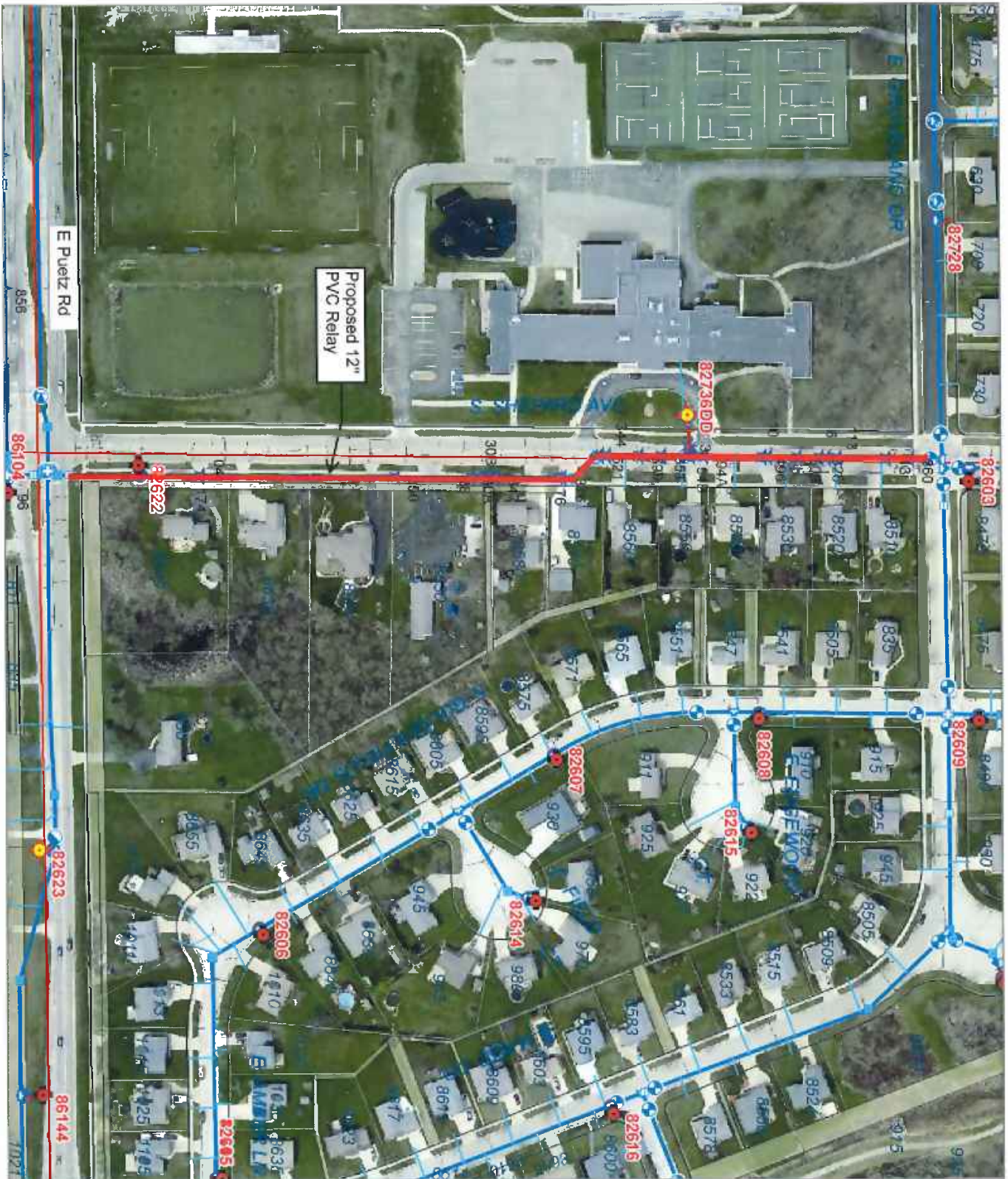
Prepared:


Brian L. Johnston, PE
Utility Engineer

Approved:


Michael J. Sullivan, PE
General Manager

Attachments: Exhibit



1 inch = 200 feet

2024 Proposed
Water Relay -
Shepard Ave



OAK CREEK
WATER AND SEWER UTILITY

Date Printed: 12/12/2023

STAFF REPORT

Item: Design services contract for Garden Place Force Main Relay

Recommendation: That the Board considers a motion to enter into a contract with Graef for the design, soil borings, and construction staking for the Garden Place force main relay project in the amount not to exceed \$30,150. (Project No. 24113) (3rd Aldermanic District)

Fiscal Impact: 2024 Capital Improvement Budget

Critical Success Factor(s):

- Active, Vibrant, and Engaged Community
- Financial Stability and Resiliency
- Thoughtful Growth and Prosperous Local Economy
- Clean, Safe, and Welcoming
- Inspired, Aligned, and Proactive City Organization
- Quality Infrastructure, Amenities, and Services
- Not Applicable

Background: The Board approved the 2024 Capital Improvement Project budget to construct the force main relay along E. Garden Place Drive from S. Chicago Road to the lift station. This will replace the 1984 4-inch ductile iron force main. The project will relay approximately 475 LF of 4-inch main. The new force main will allow the pumps to work more efficiently and prevent a potential blockage. The project will include running a fiber line for communication to the plant. The fiber will be designed by a separate contractor. raSmith submitted a proposal for the work at a cost of \$44,800.

Options/Alternatives: The motion could be awarded to raSmith.


Respectfully submitted:

Andrew J. Vickers, MPA
City Administrator


Fiscal Review:

Kristina Strmsek
Finance & Accounting Manager

Prepared:

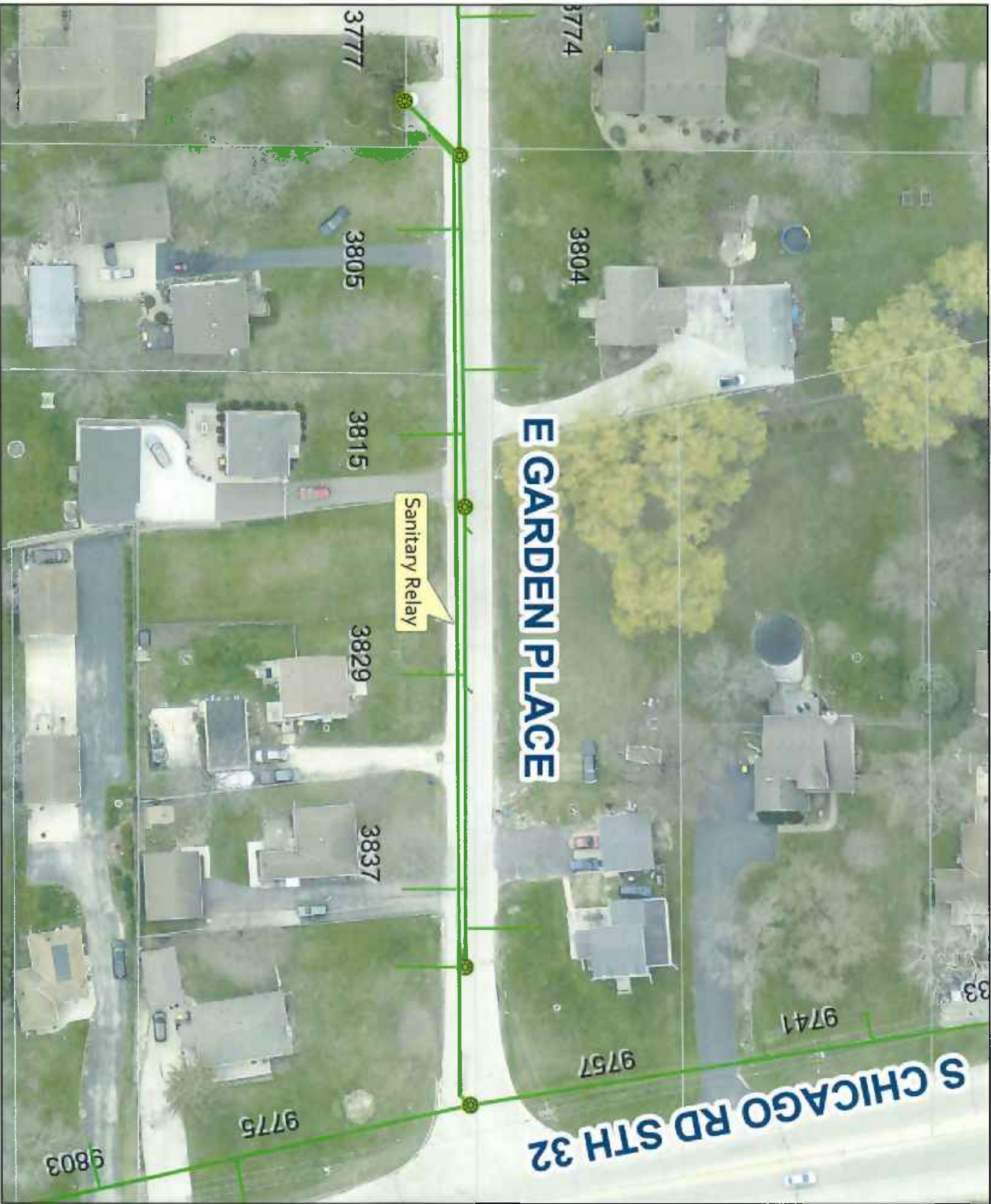

Brian L. Johnston, PE
Utility Engineer

Approved:


Michael J. Sullivan, PE
General Manager

Attachments: Exhibit

2024 Proposed Project



1 inch equals 63 feet

Sanitary

- Project Area (Pressurized Main)
- Gravity Main
- Laterals
- Manholes

DISCLAIMER:
 THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION, AND DEPTH OF ALL UNDERGROUND UTILITIES.



Date printed: 10/10/2023

STAFF REPORT

Item: Design services contract for Clement Force Main Relay

Recommendation: That the Board considers a motion to enter into a contract with Graef for the design, soil borings, and construction staking for the Clement force main relay project in the amount not to exceed \$35,600. (Project No. 24113) (1st Aldermanic District)

Fiscal Impact: 2024 Capital Improvement Budget

Critical Success Factor(s):

- Active, Vibrant, and Engaged Community
- Financial Stability and Resiliency
- Thoughtful Growth and Prosperous Local Economy
- Clean, Safe, and Welcoming
- Inspired, Aligned, and Proactive City Organization
- Quality Infrastructure, Amenities, and Services
- Not Applicable

Background: The Board approved the 2024 Capital Improvement Project budget to construct the force main relay along S. Clement Avenue from 7310 S. Clement Avenue to the lift station. This will replace the 1983 6-inch ductile iron force main. The project will relay approximately 1,165 LF of 6-inch main. The force main outlet to MH 767014 was inspected with the televising of the sanitary sewer main last summer. The existing force main is approximately 50% blocked with deposits. The crew tried to break up the deposits while cleaning but were unsuccessful. The new force main will allow the pumps to work more efficiently and prevent a potential blockage. raSmith submitted a proposal for the work at a cost of \$51,000.

Options/Alternatives: The motion could be awarded to raSmith.

Respectfully submitted:

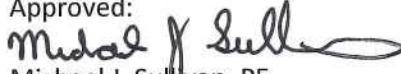
Andrew J. Vickers, MPA
City Administrator

Fiscal Review:

Kristina Strmsek
Finance & Accounting Manager

Prepared:


Brian L. Johnston, PE
Utility Engineer

Approved:

Michael J. Sullivan, PE
General Manager

Attachments: Exhibit

2024 Proposed Project



1 inch equals 115 feet

Sanitary

- Project Area (Pressurized Main)
- Gravity Main
- Laterals
- Manholes

DISCLAIMER:
THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTENCE, LOCATION, AND ELEVATION OF ALL UNDERGROUND UTILITIES.



Date printed: 10/10/2023

STAFF REPORT

Item: Design services contract for the Water Valve Rehabilitation Project

Recommendation: That the Board considers a motion to enter into a contract with Graef for the design for the water valve rehabilitation project in the amount not to exceed \$6,300. (Project No. 24116) (All Aldermanic Districts)

Fiscal Impact: 2024 Capital Improvement Budget

Critical Success Factor(s):

- Active, Vibrant, and Engaged Community
- Financial Stability and Resiliency
- Thoughtful Growth and Prosperous Local Economy
- Clean, Safe, and Welcoming
- Inspired, Aligned, and Proactive City Organization
- Quality Infrastructure, Amenities, and Services
- Not Applicable

Background: The Board approved the 2024 Capital Improvement Project budget to rehabilitate the water valves throughout the City that are leaking or jammed open. In 2023 we listed 41 valves that are jammed open due to the packing leaking. These valves need to be eposed and the packing replaced to stop the leaks. We also have several valves that need the bonnet bolts replaced. raSmith submitted a proposal for the work at a cost of \$33,900.

Options/Alternatives: The motion could be awarded to raSmith.


Respectfully submitted:


Andrew J. Vickers, MPA
City Administrator

Fiscal Review:

Kristina Strmsek
Finance & Accounting Manager

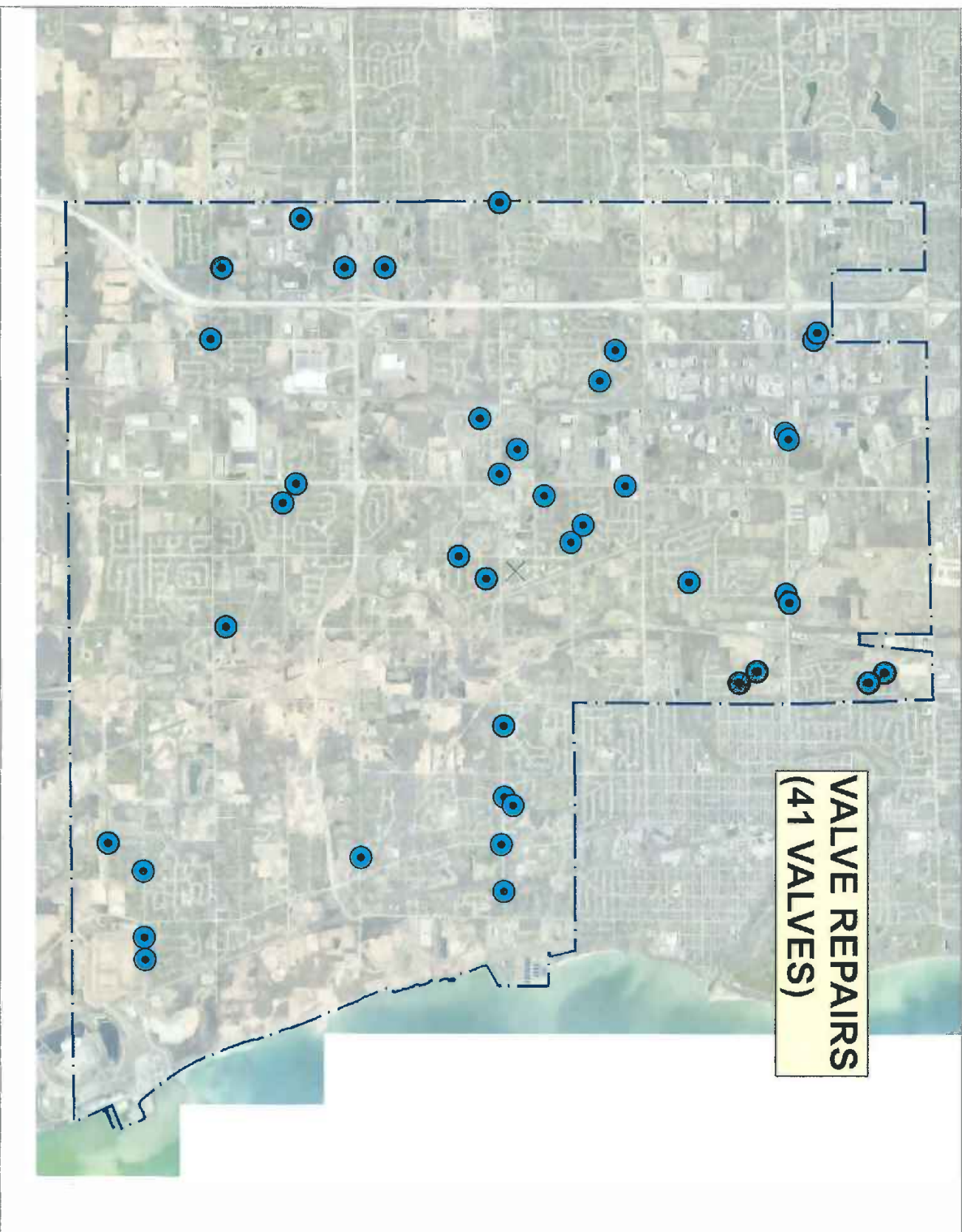
Prepared:


Brian L. Johnston, PE
Utility Engineer

Approved:

Michael J. Sullivan, PE
General Manager

Attachments: Exhibit

2023 PROPOSED PROJECT



STAFF REPORT

Item: Award Lab Renovation and Upgrade Project to Lab Furniture and Fume Hoods

Recommendation: That the Board consider a motion to enter into an agreement with Lab Furniture and Fume Hoods to complete the lab renovation and upgrade at a cost of \$57,553.00.

Fiscal Impact: This project is part of the 2024 Capital Improvement Budget

Critical Success Factor(s):

- Active, Vibrant, and Engaged Community
- Financial Stability and Resiliency
- Thoughtful Growth and Prosperous Local Economy
- Clean, Safe, and Welcoming
- Inspired, Aligned, and Proactive City Organization
- Quality Infrastructure, Amenities, and Services
- Not Applicable

Background: The lab counters, cabinets, and sinks are over 50 years old. There have been many patchwork repairs over the years and the rust and deterioration has become too much to repair. This renovation will replace all cabinets, tops, storage shelving, sinks and fixtures. Previous years estimates were \$90,000 and above. By using this local company we were able to save a considerable amount of money. Lab Furniture and Fume Hoods is my recommendation to complete this project at a cost of \$57,553.00

Options/Alternatives: Continue efforts to repair deteriorating equipment until it is completely unusable

Respectfully submitted:

Andrew J. Vickers, MPA
City Administrator


Fiscal Review:

Kristina Strmsek
Finance & Accounting Manager

Prepared:


Mike Robe
Plant Manager

Approved:


Michael J. Sullivan, PE
General Manager

Attachments:

**OAK CREEK WATER AND SEWER UTILITY
MMSD Treatment Charges**

	2024	2023	2022	2021
Connection Charge	38.74 / yr 9.69 / qtr 3.23 / mo	43.50 10.88 3.63	42.19 10.55 3.52	36.61 9.16 3.06
Household Hazardous Waste Charge	5.22 / yr	5.08	5.03	5.11
Residential Only 44,807.00	1.31 / qtr 0.44 / mo	1.27 0.42	1.27 0.42	1.28 0.43
Charges for certified customers				
Flow	1.95984 / 1,000 gal	1.65927	1.48096	1.53935
BOD	0.11814 / pound	0.10918	0.10883	0.10607
TSS	0.21608 / pound	0.22058	0.21451	0.20235
Domestic Strength Equivalent	2.93206 / 1,000 gal	2.622210	2.424264	2.437993
Adjustment to volumetric charge	-0.07 / 1,000 gal	-0.14	0.00	0.00
Average User Charge				
Residential occupancy factor	2.94 people	2.92	3.01	3.01
x				
Average domestic flow	48.00 gal/day	49.00	49.00	49.00
x				
Days per year	366.00	365.00	365.00	365.00
x				
Volumetric charge plus adjustment	2.862060 / 1,000 gal	2.482210	2.424264	2.437993
+				
Connection charge	43.96 / yr	48.58	47.22	41.72
Annual charge	\$191.79	\$178.21	\$177.73	\$172.97

Flat Rate Charge for Quarterly Residential Customers

	2024	2023	2022	2021
Annual Volume	51,650 gallons	52,224	53,834	53,834
Quarterly Volume	12,912 gallons	13,056	13,458	13,458
Monthly Volume	4,304 gallons	4,352	4,486	4,486
Local Rates - Volume	0.69 / 1,000 gal	0.69	0.69	0.69
- Fixed	18.00 / Qtr	18.00	18.00	18.00
Metro Rates - Volume	2.932060 / 1,000 gal	2.622210	2.424264	2.437993
- Fixed	10.99 / Qtr	12.15	11.82	10.44
One Month Charge				
Local	8.97	9.00	9.10	9.10
Metro	<u>16.28</u>	<u>15.46</u>	<u>14.82</u>	<u>14.42</u>
Total	\$25.25	\$24.46	\$23.92	\$23.52
Two Month Charge				
Local	17.94	18.00	18.20	18.20
Metro	<u>32.56</u>	<u>30.92</u>	<u>29.64</u>	<u>28.84</u>
Total	\$50.50	\$48.92	\$47.84	\$47.04
Quarterly Charge				
Local	26.91	27.00	27.30	27.30
Metro	<u>48.84</u>	<u>46.38</u>	<u>44.46</u>	<u>43.26</u>
Total	\$75.75	\$73.38	\$71.76	\$70.56

ACCOUNTS PAYABLE SUMMARY

February 13, 2024

Vendor	Description	Dollar Amount
--------	-------------	---------------

Badger Meter Manufacturing	Meters	\$ 49,915.28
Brown and Caldwell	Sanitary Model Update	11,840.78
CDM Smith	Water System Master Plan	11,858.74
CH2M	PLC Replacement, Underground Facilities Rehab	5,103.92
Chase Card Services	Charge Card Invoices	7,331.59
Chemtrade Chemicals US, LLC.	Coagulant-Plant	12,315.17
City of Oak Creek	Quarter 4 City Bill	202,867.33
Clark Dietz, Inc.	HVAC Replacement	3,315.12
Dorner Company	Highlift Control Valve and Replacement Kit	3,173.62
Hub 13 LA, LLC.	Customer Double Payment	24,997.44
Hydrite Chemical, Co.	Plant Chlorine	8,797.00
Idexx Distribution Corp.	Lab Supplies	3,872.11
Milwaukee Metropolitan Sewerage District	Metro Bills	528,936.25
Oak Creek Utility	Utility's Metro Bill	8,319.65
R.A. Smith National	Project Consultation	31,616.13
Revspring, Inc.	Bill Processing-December 2023	3,274.19
Wisconsin Rural Water Association	Training	3,925.00
Wrenchers	Parts Washer Cabinet	6,195.00
Wisconsin Electric Power Company	Electric/Gas Bills	53,846.24
Subtotal		981,500.56
Remaining Invoices		32,849.26
TOTAL OF ACCOUNTS PAYABLE INVOICES TO BE PAID		\$ 1,014,349.82

Oak Creek Water & Sewer Paid Invoices

2/13/2024

INVOICE NUMBER	DESCRIPTION	DISTRIBUTIONS\AMOUNTS	AMOUNT
VENDOR CODE: 00038595 HOME DEPOT			
2024-01-MR-5	HOLE PATCHING SUPPLIES	08-26-00-62602 54.61 08-27-00-64302 54.60	109.21
TOTAL VENDOR 00038595 HOME DEPOT			

VENDOR CODE: 00085382 AMAZON			
2024-02-MR-6	OUTLET COVERS	08-26-00-62602 20.42 08-27-00-64302 20.41	40.83
2024-02-MR-7	SHOP VAC FILTERS, CUT OFF WHEELS	08-26-00-62602 18.86 08-27-00-64302 18.87	37.73
2024-02-MR-8	HYDRANT HYSTERIA SUPPLIES	08-26-00-62602 6.25 08-27-00-64302 6.24	12.49
2024-02-MR-9	2 PRONG FASTENERS	08-26-00-62602 5.78 08-27-00-64302 5.78	11.56
2024-02-MR-10	HYDRANT HYSTERIA SUPPLIES	08-26-00-62602 80.97 08-27-00-64302 80.96	161.93
2024-02-DA-5	SHOP SUPPLIES	08-28-00-66202 22.24 09-29-00-82702 9.53	31.77
2024-02-DA-6	SHOP SUPPLIES	08-28-00-66202 81.86 09-29-00-82702 35.08	116.94
2024-02-DA-7	SAFETY SUPPLIES	08-31-00-92602 9.99 09-31-00-85402 2.50	12.49
2024-02-DA-3	VACCON SWITCH	09-29-00-82702 20.00 08-28-00-66202 8.57	28.57
2024-02-MR-14	HYDRANT HYSTERIA SUPPLIES	08-26-00-62602 22.94 08-27-00-64302 22.94	45.88
2024-01-MR-24	LABEL MAKER TAPE	08-31-00-92102 37.56	37.56

2024-01-MR-26	TRANSFER SWITCH BATTERIES	08-27-00-65202	12.98	12.98
2024-01-MR-27	PIPE CUTTING TOOL WHEEL	08-26-00-62602	5.84	11.67
		08-27-00-64302	5.83	
2024-02-MR-3	CHLORINE GAS DETECTOR	08-28-00-66502	369.98	369.98
2024-02-MR-4	BATTERIES -PLANT FLUSH VALVES	08-26-00-62602	29.39	58.78
		08-27-00-64302	29.39	
TOTAL VENDOR 00085382 AMAZON				991.16

VENDOR CODE: 00085434 ALSCO				
IMIL1982874	RUG/COVERALL SERVICE	08-26-00-62602	69.21	138.42
		08-27-00-64302	69.21	
IMIL1980877	RUG/COVERALL SERVICE	08-28-00-66202	78.69	98.36
		09-29-00-82702	19.67	
IMIL1978909	RUG/COVERALL SERVICE	08-28-00-66202	78.69	98.36
		09-29-00-82702	19.67	
IMIL1978912	RUG/COVERALL SERVICE	08-26-00-62602	70.61	141.21
		08-27-00-64302	70.60	
IMIL1986857	RUG/COVERALL SERVICE	08-28-00-66202	101.24	126.55
		09-29-00-82702	25.31	
IMIL1984872	RUG/COVERALL SERVICE	08-28-00-66202	166.07	207.59
		09-29-00-82702	41.52	
IMIL1982871	RUG/COVERALL SERVICE	08-28-00-66202	100.25	125.31
		09-29-00-82702	25.06	
IMIL1986860	RUG/COVERALL SERVICE	08-26-00-62602	75.24	150.48
		08-27-00-64302	75.24	
TOTAL VENDOR 00085434 ALSCO				1,086.28

VENDOR CODE: 00092023 DELL SALES				
2024-02-DN-1	PLANT CONTROL ROOM SUPPLIES	08-26-00-62602	424.00	848.00
		08-27-00-64302	424.00	
TOTAL VENDOR 00092023 DELL SALES				848.00

VENDOR CODE: 00093645 UPS

1740419739 SHIPPING FEES

08-31-00-92102 3.28 4.43

2024-02-MR-1 RETURN SHIPPING MCMMASTER CARR

09-31-00-85102 1.15
08-26-00-62602 6.23 12.45
08-27-00-64302 6.22

16.88

TOTAL VENDOR 00093645 UPS

16.88

VENDOR CODE: 00093704 SPECTRUM

2024-01-NB-2 PHONE/INTERNET CHARGES

09-29-00-82002 5.00 279.97
09-29-00-82702 5.00
08-33-00-41622 4.00
09-29-00-82022 2.00
08-28-00-66222 2.00
08-28-00-66202 25.00
08-31-00-92102 95.89
09-31-00-85102 41.09
08-24-00-60302 15.00
08-26-00-62402 5.00
08-26-00-62602 10.00
08-27-00-64302 20.00
08-31-00-92102 49.99

279.97

TOTAL VENDOR 00093704 SPECTRUM

279.97

VENDOR CODE: 00093876 GFL ENVIRONMENTAL

U80000286656 PLANT DUMPSTER-FEB 2024

TOTAL VENDOR 00093876 GFL ENVIRONMENTAL

08-31-00-92302 57.23 57.23

57.23

VENDOR CODE: 00094066 BRIDGETOWER OPKO, INC.

745669931 RAWSON AVE WATER RELAY 6-10 ST

745671259 DREXEL LIFT STATION

TOTAL VENDOR 00094066 BRIDGETOWER OPKO, INC.

08-01-00-22108 201.36 201.36
09-01-00-21018 217.96 217.96

419.32

VENDOR CODE: 00094253 AMERICAN BOLT

930144 HYDRANT PARTS

08-28-00-67702 164.63 164.63

TOTAL VENDOR 000944253 AMERICAN BOLT

164.63

VENDOR CODE: 000944441 ACE HARDWARE-SOUTH MILWAUKEE

70394/2 MISC SHOP SUPPLIES

08-28-00-66202 23.07 32.96

09-29-00-82702 9.89

70436/2 DRILL BIT

08-26-00-62602 9.70 19.39

08-27-00-64302 9.69

70453/2 MISCELLANEOUS SUPPLIES

08-28-00-66202 11.17 15.95

09-29-00-82702 4.78

70531/2 SHOP PARTS

08-28-00-66202 14.45 20.64

09-29-00-82702 6.19

TOTAL VENDOR 000944441 ACE HARDWARE-SOUTH MILWAUKEE

88.94

VENDOR CODE: 000944462 ALL AMERICAN GASKET

18816 METER GASKETS

08-28-00-67602 416.90 416.90

TOTAL VENDOR 000944462 ALL AMERICAN GASKET

416.90

VENDOR CODE: 00094476 AMERICAN WATERWORKS ASSOC.

2024-02-MS-2 ACE 2024

08-31-00-93002 801.50 1,145.00

09-31-00-85602 343.50

2024-02-BI-1 AWWA ACE 2024 HOTEL

08-31-00-93002 899.50 1,285.00

09-31-00-85602 385.50

TOTAL VENDOR 00094476 AMERICAN WATERWORKS ASSOC.

2,430.00

VENDOR CODE: 00094482 AT & T

2024-01-NB-6 PHONE/INTERNET CHARGES

09-29-00-82002 20.00 238.14

09-29-00-82702 30.00

08-26-00-62402 10.00

08-33-00-41622 5.00

09-29-00-82022 2.50

08-28-00-66222 2.50

08-26-00-62602 25.00

08-27-00-64302 15.00

2024-02-NB-6 PHONE/INTERNET CHARGES

08-31-00-92102	89.69	
09-31-00-85102	38.45	
09-29-00-82002	20.00	238.20
09-29-00-82702	30.00	
08-26-00-62402	10.00	
08-33-00-41622	5.00	
09-29-00-82022	2.50	
08-28-00-66222	2.50	
08-26-00-62602	25.00	
08-27-00-64302	15.00	
08-31-00-92102	89.73	
09-31-00-85102	38.47	
<hr/>		476.34

TOTAL VENDOR 00094482 AT & T

VENDOR CODE: 00094499 BADGER GLOVE & SAFETY, INC.
54235 APPAREL/GLOVES-DIST & ENG

08-31-00-92602	1,100.47	1,572.10
09-31-00-85402	471.63	
<hr/>		1,572.10

TOTAL VENDOR 00094499 BADGER GLOVE & SAFETY, INC.

VENDOR CODE: 00094503 BADGER METER MANUFACTURING
1627618 MODEL 35 METER HEADS
1628095 METER END POINTS
1628462 METER END POINTS
1631684 HEY DAY METERS
1631685 METERS FOR METER EXCHANGES
80150970 BEACON SERVICES

08-28-00-67702	684.87	684.87
08-00-00-34600	890.71	890.71
08-00-00-34600	111.42	111.42
08-00-00-34600	12,168.48	12,168.48
08-01-00-24101	34,177.50	34,177.50
08-31-00-92302	269.19	384.56
09-31-00-85202	115.37	
08-00-00-34600	1,497.74	1,497.74
<hr/>		49,915.28

TOTAL VENDOR 00094503 BADGER METER MANUFACTURING

VENDOR CODE: 00094509 CHASE CARD SERVICES
2024-02-MS-3 REFUNDED CREDIT CARD INTEREST/LATE FEES
TOTAL VENDOR 00094509 CHASE CARD SERVICES

<hr/>		(165.69)
<hr/>		(165.69)

VENDOR CODE: 00094515 BEARINGS INC. SOUTH

5260433 CAMERA TRUCK

5260437 CAMERA TRUCK

TOTAL VENDOR 00094515 BEARINGS INC. SOUTH

09-29-00-82702 5.00 5.00
09-29-00-82702 5.00 5.00

10.00

VENDOR CODE: 00094541 BROWN AND CALDWELL

32506964 SANITARY MODEL UPDATE

TOTAL VENDOR 00094541 BROWN AND CALDWELL

09-01-00-23117 11,840.78 11,840.78

11,840.78

VENDOR CODE: 00094560 CDM SMITH

90197405 WATER SYSTEM MASTER PLAN

TOTAL VENDOR 00094560 CDM SMITH

08-01-00-19104 11,858.74 11,858.74

11,858.74

VENDOR CODE: 00094567 CEDAR CORPORATION

118564 THE LEARNING EXPERIENCE

TOTAL VENDOR 00094567 CEDAR CORPORATION

08-01-00-23052 252.20 252.20

252.20

VENDOR CODE: 00094574 CH2M

460402CH045 PLC REPLACEMENT, UNDERGROUND FACILITIES REHAB

TOTAL VENDOR 00094574 CH2M

08-01-00-21107 4,347.50 5,103.92
08-01-00-22118 756.42

5,103.92

VENDOR CODE: 00094579 CHEMTRADE CHEMICALS US LLC

90070083 H1050 COAGULANT-PLANT

TOTAL VENDOR 00094579 CHEMTRADE CHEMICALS US LLC

08-00-00-15400 12,315.17 12,315.17

12,315.17

VENDOR CODE: 00094582 CITY OF OAK CREEK-STREET DEPT

240013123 TRUCK 5:17 REPAIR

TOTAL VENDOR 00094582 CITY OF OAK CREEK-STREET DEPT

08-34-00-93302 202.57 202.57

202.57

VENDOR CODE: 00094586 CLARK DIETZ, INC.

439878 HVAC REPLACEMENT WTP

08-01-00-23109 3,315.12 3,315.12

TOTAL VENDOR 00094586 CLARK DIETZ, INC.

3,315.12

VENDOR CODE: 00094597 CORE & MAIN LP

U243298 1" & 1 1/4" POLY TUBING FOR LATERAL REPAIRS
U268583 3/4" POLY TUBING FOR LATERAL REPAIRS
T904205 HYDRANT PARTS
TOTAL VENDOR 00094597 CORE & MAIN LP

08-28-00-67502 149.00 149.00
08-28-00-67502 38.00 38.00
08-28-00-67702 123.45 123.45
310.45

VENDOR CODE: 00094609 CUMMINS SALES AND SERVICE

F6-68037 VACCON REPAIR
TOTAL VENDOR 00094609 CUMMINS SALES AND SERVICE

08-34-00-93302 743.72 743.72
743.72

VENDOR CODE: 00094635 DIGGERS HOTLINE INC.

231261601 DIGGERS HOTLINE TICKETS-DEC
TOTAL VENDOR 00094635 DIGGERS HOTLINE INC.

08-28-00-66222 91.20 364.80
08-33-00-41622 182.40
09-29-00-82022 91.20
364.80

VENDOR CODE: 00094641 DORNER COMPANY

509242 CONTROL VALVE FOR HIGHLIFT 7
509551 REPAIR KIT FOR HIGHLIFT 2
TOTAL VENDOR 00094641 DORNER COMPANY

08-27-00-65202 1,047.76 1,047.76
08-26-00-63302 2,125.86 2,125.86
3,173.62

VENDOR CODE: 00094698 FISHER SCIENTIFIC COMPANY

9362349 LAB SUPPLIES
9554788 LAB SUPPLIES
TOTAL VENDOR 00094698 FISHER SCIENTIFIC COMPANY

08-27-00-64202 351.86 351.86
08-27-00-64202 57.51 57.51
409.37

VENDOR CODE: 00094781 JENNIFER HOWSKI

2023-CELL:SEPT-DEC CELL PHONE:SEPT-DEC 2023
TOTAL VENDOR 00094781 JENNIFER HOWSKI

08-31-00-92602 70.00 100.00
09-31-00-85402 30.00
100.00

VENDOR CODE: 00094783 HYDRITE CHEMICAL CO.
 2024000003479 CHLORINE-PLANT USE
 TOTAL VENDOR 00094783 HYDRITE CHEMICAL CO.

08-00-00-15400	8,797.00	8,797.00
-----		8,797.00

VENDOR CODE: 00094790 IDEXX DISTRIBUTION CORP.
 3143454799 LAB SUPPLIES
 3145203871 LAB SUPPLIES
 TOTAL VENDOR 00094790 IDEXX DISTRIBUTION CORP.

08-27-00-64202	3,845.31	3,845.31
08-27-00-64202	26.80	26.80
-----		3,872.11

VENDOR CODE: 00094793 INDELCO PLASTIC CORPORATION
 INV438371 CHLORINE FEEDER HOSE CONNECTORS
 TOTAL VENDOR 00094793 INDELCO PLASTIC CORPORATION

08-28-00-66502	68.18	68.18
-----		68.18

VENDOR CODE: 00094800 INTERSTATE ERECTING INC.
 11747-1 CARBON FEEDER TAKEDOWN
 TOTAL VENDOR 00094800 INTERSTATE ERECTING INC.

08-27-00-65202	998.28	998.28
-----		998.28

VENDOR CODE: 00094821 JOHNSTON, BRIAN
 2024-01 AIRFARE AWWA EXPENSES
 TOTAL VENDOR 00094821 JOHNSTON, BRIAN

08-31-00-93002	435.37	621.96
09-31-00-85602	186.59	
-----		621.96

VENDOR CODE: 00094841 KRUEGER, ANDREW
 2023-CELL:SEPT-DEC CELL PHONE:SEPT-DEC 2023
 TOTAL VENDOR 00094841 KRUEGER, ANDREW

08-31-00-92602	100.00	100.00
-----		100.00

VENDOR CODE: 00094846 KWIK TRIP EXTENDED NETWORK
 NP65832819 TRUCK FLEET GAS
 TOTAL VENDOR 00094846 KWIK TRIP EXTENDED NETWORK

08-34-00-93302	1,989.96	1,989.96
-----		1,989.96

VENDOR CODE: 00094902 MAUGHAN, RYAN
 2023-CELL:SEPT-DEC CELL PHONE:SEPT-DEC 2023

08-31-00-92602	70.00	100.00
09-31-00-85402	30.00	

TOTAL VENDOR 00094902 MAUGHAN, RYAN

100.00

VENDOR CODE: 00094906 MCMASTER-CARR

19809483 MOUNTING PLATE FOR CHLORINE PUMPS
20542735 WALL PLATES FOR ABANDONED ELECTRICAL OUTLETS

08-27-00-65202 76.19 76.19
08-26-00-62602 33.72 67.44
08-27-00-64302 33.72

20837255 CONCRETE DRILL BITS AND BRASS PLUG FOR BOILER

08-26-00-63102 32.77 65.53
08-27-00-65102 32.76

TOTAL VENDOR 00094906 MCMASTER-CARR

209.16

VENDOR CODE: 00094910 MILWAUKEE METRO. SEWERAGE DIST

303-23 METRO BILL
316-23 METRO BILL
004-24 METRO BILL
327-23 METRO BILL
011-24 METRO BILL

09-00-00-23202 350,029.79 350,029.79
09-00-00-23202 24,230.08 24,230.08
09-00-00-23202 26,717.55 26,717.55
09-00-00-23202 82,658.01 82,658.01
09-00-00-23202 45,300.82 45,300.82

TOTAL VENDOR 00094910 MILWAUKEE METRO. SEWERAGE DIST

528,936.25

VENDOR CODE: 00094943 MUNICIPAL ENVIRONMENTAL GROUP

2024-MEMBERSHIP ANNUAL MEMBERSHIP DUES
TOTAL VENDOR 00094943 MUNICIPAL ENVIRONMENTAL GROUP

08-31-00-93002 2,000.00 2,000.00

VENDOR CODE: 00094971 NORTHERN LAKE SERVICE INC.

2401528 WATER TESTS-TOCS
2401526 WATER TESTS-DBPS
TOTAL VENDOR 00094971 NORTHERN LAKE SERVICE INC.

08-27-00-64202 95.87 95.87
08-27-00-64202 357.78 357.78

VENDOR CODE: 00094982 OAK CREEK UTILITY

2024-02 UTILITY'S METRO BILL
TOTAL VENDOR 00094982 OAK CREEK UTILITY

08-27-00-64202 8,319.65 8,319.65

VENDOR CODE: 00095006 WINDSTREAM ENTERPRISE

76199803 LONG DISTANCE CHARGES: PLT/DIST

08-26-00-62602 16.04 64.17

TOTAL VENDOR 00095006 WINDSTREAM ENTERPRISE

08-27-00-64302	16.04	
08-31-00-92102	16.05	
09-31-00-85102	16.04	
<hr/>		
	64.17	

VENDOR CODE: 00095033 POMP'S TIRE SERVICE INC.

60328210 TIRES FOR DEERE #523

TOTAL VENDOR 00095033 POMP'S TIRE SERVICE INC.

08-34-00-93302	3,147.39	3,147.39
<hr/>		
	3,147.39	

VENDOR CODE: 00095054 QUALITY POWER SOLUTIONS LLC

29870923 ANNUAL UPS MAINTENANCE

TOTAL VENDOR 00095054 QUALITY POWER SOLUTIONS LLC

08-27-00-64302	802.50	1,605.00
08-26-00-63202	802.50	
<hr/>		
	1,605.00	

VENDOR CODE: 00095074 REVSPRING INC.

INV1341317 PROCESSING OF BILLING-DEC 2023

TOTAL VENDOR 00095074 REVSPRING INC.

08-30-00-90302	2,291.93	3,274.19
09-30-00-84002	982.26	
<hr/>		
	3,274.19	

VENDOR CODE: 00095079 ROBE, MICHAEL

2024-CELL:SEPT-DEC CELL PHONE:SEPT-DEC 2024

TOTAL VENDOR 00095079 ROBE, MICHAEL

08-31-00-92602	100.00	100.00
<hr/>		
	100.00	

VENDOR CODE: 00095123 SHERWIN-WILLIAMS

7470-9 PAINT- HIGHLIFT WALLS AND PIPING

TOTAL VENDOR 00095123 SHERWIN-WILLIAMS

08-26-00-63302	185.15	185.15
<hr/>		
	185.15	

VENDOR CODE: 00095148 STAPLES BUSINESS ADVANTAGE

3556401051 OFFICE SUPPLIES

3556401052 OFFICE SUPPLIES

TOTAL VENDOR 00095148 STAPLES BUSINESS ADVANTAGE

08-31-00-92102	37.66	53.80
09-31-00-85102	16.14	
08-31-00-92102	25.48	36.40
09-31-00-85102	10.92	
<hr/>		
	90.20	

VENDOR CODE: 00095162 STRUEBING CHARLES
 2023-CELL:SEPT-DEC CELL PHONE:SEPT-DEC 2023

TOTAL VENDOR 00095162 STRUEBING CHARLES

08-31-00-92602	70.00	100.00
09-31-00-85402	30.00	
<hr/>		100.00

VENDOR CODE: 00095206 TRI-STATE EQUIP CO.
 161857 MISC SHOP TOOLS

TOTAL VENDOR 00095206 TRI-STATE EQUIP CO.

08-28-00-66202	52.19	74.56
09-29-00-82702	22.37	
<hr/>		74.56

VENDOR CODE: 00095214 ULINE
 172969546 SHOP ORGANIZATION EQUIP.

TOTAL VENDOR 00095214 ULINE

08-28-00-66202	583.32	833.32
09-29-00-82702	250.00	
<hr/>		833.32

VENDOR CODE: 00095227 USA BLUE BOOK
 INV00237301 LAB SUPPLIES
 264828 LAB SUPPLIES
 250404 LAB PURE WATER FILTERS
 265380 LAB SUPPLIES
 TOTAL VENDOR 00095227 USA BLUE BOOK

08-27-00-64202	472.45	472.45
08-27-00-64202	115.00	115.00
08-27-00-65202	668.35	668.35
08-27-00-64202	282.53	282.53
<hr/>		1,538.33

VENDOR CODE: 00095271 WHITE, JEFF
 2024-01:SAFETY BOOTS SAFETY BOOTS-WHITE
 TOTAL VENDOR 00095271 WHITE, JEFF

08-31-00-92602	232.97	232.97
<hr/>		232.97

VENDOR CODE: 00095302 WISCONSIN VISION, INC.
 529147 SAFETY GLASSES-SULLIVAN
 529146 SAFETY GLASSES-SULLIVAN
 TOTAL VENDOR 00095302 WISCONSIN VISION, INC.

08-31-00-92602	127.40	182.00
09-31-00-85402	54.60	
08-31-00-92602	329.00	470.00
09-31-00-85402	141.00	
<hr/>		652.00

VENDOR CODE: 00095328 WISCONSIN RURAL WATER ASSOCIATION

2024-02-CS	CROSS CONNECTION CERT COURSE-STRUEBING	08-31-00-93002	665.00	950.00
		09-31-00-85602	285.00	
2024-02-AT	CROSS CONNECTION CERT COURSE-THORGAARD	08-31-00-93002	950.00	950.00
2024 TECH CONF	REGISTRATION-JOHNSTON, ALLARD, PIER, VOLBRECHT, ANAYA, & WHITT	08-31-00-93002	1,379.00	1,970.00
		09-31-00-85602	591.00	
2024-01 WRWA	WATER SAMPLING & LEAD AND COPPER UPDATE TRAINING	08-31-00-93002	55.00	55.00
				3,925.00
TOTAL VENDOR 00095328 WISCONSIN RURAL WATER ASSOCIATION				

VENDOR CODE: 00095345 WISCONSIN WASTEWATER OPERATORS' ASSOCIATION
 2024-02-B1-4 WASTEWATER EXPO

		09-31-00-85602	210.00	210.00
TOTAL VENDOR 00095345 WISCONSIN WASTEWATER OPERATORS' ASSOCIATION				210.00

VENDOR CODE: 00095351 JM BRENNAN, INC.
 11005318 BOILER PM VISIT

		08-27-00-65102	582.50	1,165.00
		08-26-00-63102	582.50	
TOTAL VENDOR 00095351 JM BRENNAN, INC.				1,165.00

VENDOR CODE: 00095375 GALLAGHER, PATRICK
 2023- SAFETY BOOTS SAFETY BOOTS-GALLAGHER
 TOTAL VENDOR 00095375 GALLAGHER, PATRICK

		08-31-00-92602	247.87	247.87
TOTAL VENDOR 00095375 GALLAGHER, PATRICK				247.87

VENDOR CODE: 03752 AT&T
 2024-01-NB-4 PHONE/INTERNET CHARGES
 2024-02-NB-3 PHONE/INTERNET CHARGES
 2024-02-13-5 PHONE/INTERNET BILLS
 TOTAL VENDOR 03752 AT&T

		08-26-00-62602	71.85	143.70
		08-27-00-64302	71.85	
		08-26-00-62602	57.89	115.77
		08-27-00-64302	57.88	
		08-26-00-62602	73.89	147.78
		08-27-00-64302	73.89	
TOTAL VENDOR 03752 AT&T				407.25

VENDOR CODE: 04135 BEARINGS, INC - SOUTH

5260367 MISC METER SHOP SUPPLIES

260202 HYDRANT PARTS

TOTAL VENDOR 04135 BEARINGS, INC - SOUTH

08-28-00-66202 17.08 24.40
09-29-00-82702 7.32
08-28-00-67702 28.60

28.60
53.00

VENDOR CODE: 21354 FIRST SUPPLY LLC

13988780-00 HYDRANT FITTING PART

TOTAL VENDOR 21354 FIRST SUPPLY LLC

08-28-00-67702 122.52 122.52

122.52

VENDOR CODE: 26680 GRAINGER

9966261050 HQ FURNACE FAN

9001220707 METER SEALS

TOTAL VENDOR 26680 GRAINGER

08-28-00-67802 190.52 272.17
09-31-00-83402 81.65
08-28-00-67602 35.16

35.16
307.33

VENDOR CODE: 40007 KALAHARI RESORT

2024-02-BJ-2 WWOA EXPENSES

TOTAL VENDOR 40007 KALAHARI RESORT

08-31-00-93002 73.50 105.00
09-31-00-85602 31.50

105.00

VENDOR CODE: 48159 MEDIVAN, INC.

25051 HEARING AND RESPIRATORY TESTING

TOTAL VENDOR 48159 MEDIVAN, INC.

08-31-00-92302 930.00 930.00

930.00

VENDOR CODE: 48166 MENARDS

73542 SHOP TOOLS

73672 OFFICE SUPPLIES

73669 TOOL RETURN

73506 MISC SHOP SUPPLIES

08-28-00-66202 293.29 418.98
09-29-00-82702 125.69
08-28-00-66202 24.49 34.99
09-29-00-82702 10.50
08-28-00-66202 (41.98) (59.97)
09-29-00-82702 (17.99)
08-28-00-66202 133.59
09-29-00-82702 57.26 190.85

74017	SHOP TOOLS AND ORGANIZATION	08-28-00-66202	485.39	693.42
		09-29-00-82702	208.03	
73226	MISC SHOP AND CLEANING SUPPLIES	08-28-00-66202	128.01	182.87
		09-29-00-82702	54.86	
73172	HYDRANT REPAIR	08-28-00-67702	31.85	31.85
72881	FLOOR PATCHING SUPPLIES	08-26-00-62602	59.17	118.33
		08-27-00-64302	59.16	
72890	MISC HDQ SUPPLIES	08-28-00-66202	142.25	203.22
		09-29-00-82702	60.97	
	TOTAL VENDOR 48166 MENARDS			1,814.54

VENDOR CODE: 52012 NASSCO INC.
6386292 DE-ICING MATERIALS

		08-28-00-66202	1,035.96	1,479.95
		09-29-00-82702	443.99	
	TOTAL VENDOR 52012 NASSCO INC.			1,479.95

VENDOR CODE: 72112 SCHMITZ READY MIX, INC
1090155-IN RESTORATION

		08-28-00-67302	1,171.00	1,171.00
	TOTAL VENDOR 72112 SCHMITZ READY MIX, INC			1,171.00

VENDOR CODE: 73540 R. A. SMITH, INC
178765 DREXEL LIFT STATION
178751 HEY DAY

		09-00-00-21018	10,221.63	10,221.63
		09-01-00-23051	4,929.00	12,573.50
		08-01-00-23051	7,644.50	
178752	2023 SANITARY SEWER REHAB	09-01-00-23116	679.00	679.00
1230355	2023 SANITARY REHAB	09-01-00-23116	285.00	285.00
2224500	RAWSON AVE WATER RELAY 6-10 ST	08-01-00-22108	2,830.00	2,830.00
178481	6TH & MARQUETTE WATER DESIGN	08-01-00-23112	5,027.00	5,027.00
	TOTAL VENDOR 73540 R. A. SMITH, INC			31,616.13

VENDOR CODE: 75812 SUPERIOR CHEMICAL CORP
379845 HDQ CLEANING SUPPLIES

		08-28-00-66202	89.52	127.89
		09-29-00-82702	38.37	

TOTAL VENDOR 75812 SUPERIOR CHEMICAL CORP

127.89

VENDOR CODE: 78705 TRUCK COUNTRY-MADISON

2024-01 REFUND REFUND-PAYMENT IN ERROR

TOTAL VENDOR 78705 TRUCK COUNTRY-MADISON

08-00-00-46110 1,685.67

1,685.67

1,685.67

VENDOR CODE: 81718 U S CELLULAR

2024-02-NB-1 PHONE/INTERNET CHARGES

TOTAL VENDOR 81718 U S CELLULAR

08-31-00-92102 158.18
09-31-00-85102 67.79

225.97

VENDOR CODE: 82333 BAKER TILLY US, LLP

BT2666541 2023 AUDIT

TOTAL VENDOR 82333 BAKER TILLY US, LLP

08-31-00-92302 480.90
09-31-00-85202 206.10

687.00

687.00

VENDOR CODE: 85352 WE ENERGIES

2024-02-12-G GAS/ELECTRIC BILLS

TOTAL VENDOR 85352 WE ENERGIES

08-26-00-62602 1,812.16
08-27-00-64302 2,583.25
08-28-00-66502 252.12
08-31-00-92102 252.12
09-29-00-82702 252.13
09-31-00-85102 252.13

5,403.91

2024-01-26-E GAS/ELECTRIC BILLS

TOTAL VENDOR 85352 WE ENERGIES

08-26-00-62302 31,127.02
08-27-00-64202 1,724.96
08-27-00-64302 4,312.30
08-26-00-62602 3,317.83
08-26-00-62602 31.94
08-26-00-62302 6,087.17
08-28-00-66102 49.21
08-28-00-66502 363.87
08-31-00-92102 363.87
09-26-00-82102 336.40

40,482.11

2024-02-06-E GAS/ELECTRIC BILLS

TOTAL VENDOR 85352 WE ENERGIES

08-26-00-62302 6,087.17
08-28-00-66102 49.21
08-28-00-66502 363.87
08-31-00-92102 363.87
09-26-00-82102 336.40

7,960.22

TOTAL VENDOR 85352 WE ENERGIES

09-29-00-82702 363.88
 09-31-00-85102 363.88

 53,846.24

VENDOR CODE: 85395 WI STATE LABORATORY OF HYGIENE

764122 FLUORIDE LAB TEST

08-27-00-64202 28.00

28.00

766623 FLUORIDE

08-27-00-64202 29.00

29.00

TOTAL VENDOR 85395 WI STATE LABORATORY OF HYGIENE

57.00

VENDOR CODE: MISC BLACKSTONE

2024-02-DA-1 WIAWWA EXPENSES

08-31-00-93002 29.81

42.58

2024-02 PMT IN ERROR CUSTOMER REIMB-PMT IN ERROR

08-00-00-46110 24,997.44

24,997.44

2024-02 REIMBURSE-DOUBLE PAYMENT

08-00-00-46110 965.41

965.41

2024-02-MR-12 GAS

08-34-00-93302 30.11

30.11

2024-02-DA-2 WIAWWA BOARD & LEADERSHIP MEETING

08-31-00-93002 59.50

85.00

2024-02-MR-13 CHLORINE PUMP CONTROL DISPLAY

08-26-00-62402 394.81

394.81

2024-02-DA-4 WIAWWA CONFERENCE

08-31-00-93002 152.81

218.30

2024-02-MS-1 2024 ETHICS SESSION

09-31-00-85602 65.49

49.00

2024-02-BJ-3 ENGINEERING CONFERENCE

08-31-00-93002 34.30

49.00

2024-02-MR-11 EPA TIER II REGISTRATION

09-31-00-85602 14.70

85.00

754392-00 PARTS WASHER CABINET

08-31-00-93002 59.50

25.50

TOTAL VENDOR MISC WRENCHERS

08-27-00-64302 497.13

497.13

VENDOR CODE: R0001596 FERGUSON WATERWORKS

407779 BRASS GOODS FOR TAPS

08-01-00-24103 5,575.50

6,195.00

TOTAL VENDOR R0001596 FERGUSON WATERWORKS

09-01-00-24103 619.50

667.86

TOTAL VENDOR 85352 WE ENERGIES

08-28-00-67502 667.86

667.86

VENDOR CODE: R0001928 CITY OF OAK CREEK
2023-Q4 CITY BILL COVERING QUARTER 4

TOTAL VENDOR R0001928 CITY OF OAK CREEK

GRAND TOTAL:

08-00-00-23300 142,007.13 202,867.33

09-00-00-23300 60,860.20

202,867.33

1,014,349.82

ADMINISTRATIVE OPERATIONS

January 2024

Workload:

Other administrative tasks included the following:

- Added 4 customer accounts for the month.
- Billed 951 water customers and 976 sewer customers.

Gallons Billed (in thousands):

	YTD 2024	YTD 2023	YTD 2022	YTD 2021	YTD 2020	Average
Residential	6,463	6,391	6,247	6,501	6,411	6,403
Commercial	37,947	37,748	35,793	32,314	33,570	35,474
Industrial	65,427	49,390	42,773	45,258	39,820	48,534
Public Authority	261	353	325	86	195	244
Wholesale	230,608	237,635	215,440	219,097	224,038	225,364
Total	340,706	331,517	300,578	303,256	304,034	316,019
% Change to Prior Year	2.8%	10.3%	-0.9%	-0.3%	N/A	
% Change to Average	7.8%	4.9%	-4.9%	-4.0%	-3.8%	

New Customers:

	YTD 2024	YTD 2023	YTD 2022	YTD 2021	YTD 2020	Average
Residential	4	3	3	0	2	2.4
Commercial	0	0	0	0	0	-
Industrial	0	0	0	0	0	-
Public Authority	0	0	0	0	0	-
Wholesale	0	0	0	0	0	-
Total	4	3	3	0	2	2.4

ENGINEERING OPERATIONS

January 2024

PLC Replacement Project

We still have D, A, and B cabinets to complete. We have a corrosion issue on the PLC racks that were stored in the cabinets waiting for installation. Next is working with Rockwell on a solution. The project completion will be delayed to 2024.

6th and Marquette Water Relay

Engineering met with the City and their bridge consultants to discuss water and sanitary conflicts. raSmith is working on design plans to route the water main around the bridge this summer. The clay sanitary sewer will be replaced with PVC in the same location during bridge construction next year.

Rowan Estates PPII

Engineering has been working with the City on the MMSD PP II project in Rowan Estates. The plan was to complete wet weather lateral inspections this past summer. The dry weather we experienced created issues to get crews on site when we had rain events. The contractor was able to complete this work with the snow melt and rain recently. MMSD will work on designing the lateral replacement plans.

Rawson Avenue Water Relay and Hydrant Relocation

raSmith completed the plans for the water relay and hydrant relocation project with the latest Milwaukee County road plan changes. This project replaces 257 LF of 20" **DIP** and relocates 13 hydrants. This work is to be completed this summer prior to the Milwaukee County road project. The project was advertised, and bids will be received next month.

Drexel Avenue Lift Station

Engineering has worked with the City and raSmith for the design of the new Drexel Avenue Lift Station. This project will replace the existing lift station. The new station will remove the underground station and replace it with an above grade building. This will eliminate the confined space entry of the station and be safer for the employees. The project is advertised, and bids will be opened next month. The project will include running fiber to the new station for communications to replace the phone line.

Developer projects

- Broadacre —punch list items remain.
- Oaks at 8100 —punch list items remain.
- Hey Day — utility construction is on hold until spring.
- The Learning Experience —punch list items remain.
- Edgemont Estates — plans reviewed and submitted to MMSD/DNR.

DISTRIBUTION & COLLECTION OPERATIONS

January 2024

Water Main Breaks:

On January 17th, the 12" cast iron main by Edgewood School on S. Shepard Avenue began to leak. A repair was made with a clamp. This section of main is scheduled to be replaced in 2024.

On January 29th, the 24" ductile iron main at the 2500 block of E. Puetz Rd. was leaking. Due to the condition of the ground in that area, the excavation turned out to be very large. The giant hole along with the fact that the main is 10' down, made this a rather long repair. We ended up needing two repair clamps due to the holes and condition of the pipe.

Water Lateral Repairs:

On January 22nd, a water lateral at 7381 S. Logan Ave. was repaired. The lateral was leaking on the street side of the curb stop. We were able to repair it without taking anyone else out of service. The homeowner could hear the water running from inside his house and called us to investigate.

Hydrant Repairs/Maintenance:

Several hydrants were fixed that needed general maintenance.

Valve Repairs:

None

Sewer Repairs/Maintenance:

The sewer crew took advantage of the mild days and began sewer cleaning and televising.

Miscellaneous:

Several valve boxes have been damaged by plows. Some are temporarily fixed until spring. Manager Allard attended the WIAWWA Leadership Meeting at the Green Bay Water Utility.

Out of Service:

There are currently no fire hydrants out of service. There are currently 36 valves jammed open in need of repair.

DISTRIBUTION GOALS 2024

JOB DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS	GOALS
Meters														
Meter Exchanges	32												32	600
Cross Connection Inspections	14												14	300
Industrial Inspections	15												15	375
Water														
Annual Hydrant Flushing	-												-	2,107
Semi-annual Flushing	-												-	2x109 (218)
Quarterly Flushing	50												50	4x50 (200)
Flush Emergency Connections	-												-	3
Watermain Crossings	72												72	72
Operate Valves	-												-	1,000
Hydrant Painting	-												-	150
Cathodic Protection Tests	-												-	11
Check Remote Water Mains	-												-	40
Sewer														
Clean Sewers	23,013												23,013	180,000
Camera Sewers	30,220												30,220	180,000
Check Problem Sewers	99												99	309
Check Remote Sewer Mains	-												-	51
Admin														
Tier II Report	Done													
MMSD Annual CMOM Report						Due								
DNR eCMAR						Due								
DNR River Crossing Stations										Due				
Cross Connection Survey		Due												

Revised 1/4/21 JF T:\Distribution Goals\sex

PLANT OPERATIONS

January 2024

PUMPAGE REPORT	2024	2023	% Change	5 Year %
Monthly Pumpage	254,310,000	242,060,000	+5.1	+15.8
Monthly Average Day	8,203,548	7,808,387	+5.1	+15.8
Monthly Peak Day	(01/21)10,400,000	(01/18) 9,820,000	+5.9	+14.8
Yearly Pumpage	254,310,000	242,060,000	+5.1	+15.8
Yearly Average Day	8,203,548	7,808,387	+5.1	+15.8
Yearly Peak Day	(01/21)10,400,000	(01/18) 9,820,000	+5.9	+14.8
West Zone Pumpage	100,060,000	100,850,000	-8	+4.7

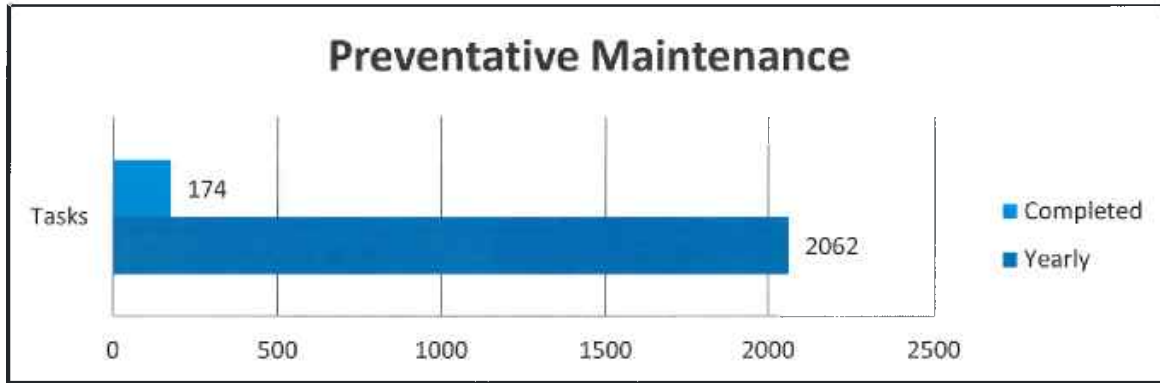
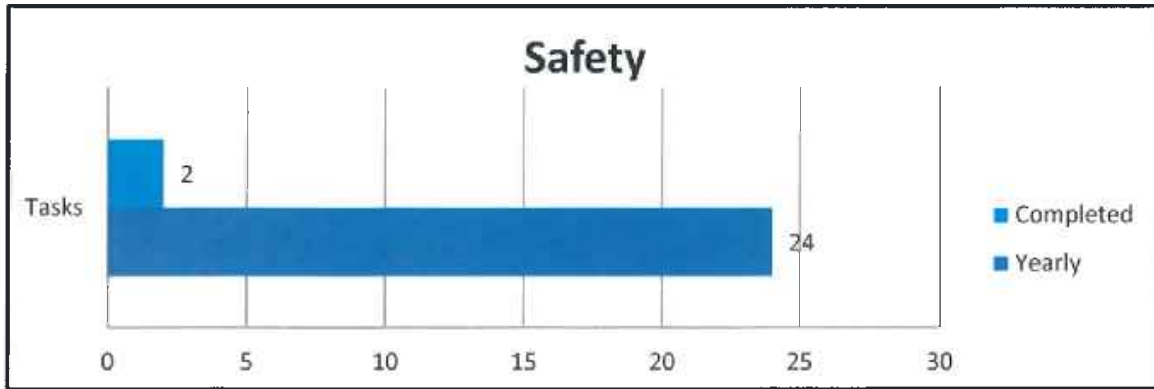
WATER QUALITY REPORT	Raw Water	Finished Water
Average Free Chlorine		1.60 mg/l
Total Chlorine		1.82 mg/l
Average Alkalinity	109.4 mg/l	111.2 mg/l
Average pH	8.2	8.0
Average Fluoride	0.16 mg/l	0.73 mg/l
Average Turbidity	5.83NTU	0.043 NTU
High Temperature	High 47.1 F Low 34.9 F	
Hardness	120 mg/l	137 mg/l

Preventative Maintenance Tasks: Staff completed 174 preventative maintenance tasks and 2 safety sessions during the month.

Work Orders: Staff completed 8 work orders. Some of the tasks included removing abandoned conduits and patching the holes, replacing a flow control valve on highlift pump 7, replacing baseboard tiles at the booster stations, and installing a safety walkway.

Operators: Operator Thorgaard and GIS Tech Howski have been practicing hard for the Hydrant Hysteria competition and the annual conference in February.

Plant: Prep work is underway for the new lab upgrade. Considerable planning has gone into the renovation to assure all processes remain operational during this transition.



WATER & SEWER UTILITY – Mike Sullivan

- The Underground Facilities Rehabilitation alternatives analysis report will be presented to BOPWACA in February. It is expected the Board will select an alternative to move into the design phase. The recommended project is estimated to cost \$45 million. The 2-1/2-year project construction is anticipated to begin in 2026;
- Significant conversations regarding a future wholesale water supply agreement have occurred with the City of Franklin. This represents important movement recently after several years of silence;
- The treatment plant HVAC project plans are almost complete. A \$625,000 PSC construction authorization application will be filed in February. The approval process will take approximately 4 months to complete;
- The carbon feeder at the low lift pumping station will not be installed in 2024. For more than 20 years, powder-activated carbon has been added at the pump station in the summer season to address a potential musty, earthy taste, and odor concerns. The raw water quality in the lake continues to change over time, eliminating the need to proactively feed carbon. The existing carbon feed system is at end-of-life with a replacement cost of \$2-3 million. As a result of 1-1/2-year testing of the lake for the taste and odor compounds and receiving very low-test results, the existing carbon feeder will not be seasonally installed in 2024. However, it will be kept in case it is needed for a specific event. The annual chemical cost of carbon is approximately \$20,000;
- High lift pump number 1 at the treatment plant was rebuilt and finally reinstalled in January. However, there was a problem with the contractor's electrical wiring which caused damage to the power feed wires from the motor starter. The rebuilt motor was tested good after the failure and the contractor has assumed responsibility for the failure. This pump is the only 6 million gallon per day pump serviced by the emergency generator;
- New lab cabinets will be installed in February. The original cabinets and countertops are over 50 years old;
- Similar to the carbon feed, the potassium permanganate feed, which is piped out to the opening of the intake pipe for zebra mussel control, will continue to not be used in 2024. The feed of this chemical will be reviewed after the spring dive inspection of the intake. The annual chemical cost of potassium permanganate is \$36,000. Together with the carbon cost, these two chemicals represent almost 20% of the

total chemical cost used in the system.

DEPARTMENT OF PUBLIC WORKS – Matt Trebatoski

- In February, we will begin recruiting again to fill up to four open positions in the Department. Fortunately, being short staffed in the winter hasn't been detrimental to operations, however we would like to be close to full staff come spring;
- Crews will be plowing and salting streets, sidewalks, paths, and parking lots as needed, as well as performing offroad tree removals along water channels and nuisance beaver dam removals and trapping (provided colder temperatures return);
- Fleet staff will be working on fire apparatus repairs and maintenance, annual inspection reports, plow truck maintenance, and City Hall vehicle changeovers;
- Parks crews will be assisting with snow and ice control, as needed, trimming parks trees, attending landscaping workshops, cleaning pavilions for rentals, interior pavilions maintenance, making and repairing park signs, and organizing and preparing the shop for Spring;
- Forestry staff will be conducting tree take downs, pruning, cutting firewood, and updating our tree inventory;
- In street lighting we will be replacing faulty, cycling lamps, and reinstalling light poles that were knocked down by vehicles;
- Our signs crews will be repairing damaged signs and mailboxes, removing and reconditioning seating benches from DTS, installing "no parking" signs near Cedar Hills School, and replenishing the signs inventory;
- The Department will continue equipment training for all staff as well as CDL training, and DNR training related to operations at the Recycling Yard.

ENGINEERING & INSPECTIONS – Matt Sullivan

- Developer Project Updates:
 - Lakeshore Commons continues with the North Townhomes and Clubhouse construction. Occupancy of the A9 multi-family building (north building) was obtained in December. The speed tables along Lake Vista Blvd. and Like Vista Pkwy. were completed in November and December;
 - The Oaks at 8100 (Multi-Family Development on S. 27th Street) continues to progress with vertical construction on several buildings. Four multifamily buildings remain under construction with occupancies of two buildings anticipated in February/March. The final stage of construction of the public roadway will begin in

Fall 2024 to not damage the pavement while constructing the remaining multifamily buildings;

- Broadacre development (441 W. Ryan Road) continues to progress with the remaining two buildings working through various stages of construction (rough to finals);
 - The Avid Hotel (9293 S. 13th Street) completed utilities, rough framing, and the roofing system;
 - Occupancy approved in December for the spec building at 7350 S. 13th Street (Briohn Co.);
 - Heyday Development (Puetz Road) continues footings/foundations on several buildings and framing is anticipated in late February. Paving of the public roadway was completed in December;
 - The Learning Experience (150 W. Forest Hill) continues with interior and exterior construction.
- Design/Construction Updates:
 - Bluff stabilization/revetment continues to progress on schedule;
 - The PPII project in Rowen Estates has completed televising of the laterals. Designers have begun working on identifying defects which will allow them to develop plans and specification for a 2024 construction project;
 - The Abendschein Park Entrance and Parking Lot Improvements design is close to completion and is scheduled for the bid letting in the next month;
 - The 2024 Paving Project is under design with bid letting anticipated for March;
 - Engineering staff continue to work on Fire Station #3 Parking Lot and Police Station Parking Lot.
 - Inspection Updates:
 - Inspection Department staff continue to review building permits and perform inspections for several developments and residential, industrial, and commercial alterations as development of the City steadily continues.
 - Employment Opportunities:
 - Engineering will have two new employees (Engineering Technician I & II positions) starting in February;
 - Engineering will be advertising for the Environmental Specialist position, formerly Environmental Engineer, in early February.