



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

Robert Cigale
Kenneth Gehl
Chris Guzikowski
Dale Richards
Fredrick Siepert- Alternate
Michael Toman

BOARD OF PUBLIC WORKS AND CAPITAL ASSETS

January 11, 2022
9:00 A.M.

The City's Vision

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

1. Call Meeting to Order.
2. Roll Call.
3. Approval of Minutes- 12/14/2021.
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 one (1) PortaCount Model 8048-T Respiratory Fit Tester in the amount of \$19,970.00.
6. **Motion:** Consider a *motion* to approve the purchase and installation of the Mitsubishi Three Phase UPS with back-up battery supply and manual bypass switch from Unified Power in the amount of \$44,231.10.

PUBLIC WORKS & UTILITIES

7. **Motion:** Consider a *motion* to approve the purchase of a Crafcro Patcher II Hot Mastic Applicator in the amount of \$77,894.30.
8. **Motion:** Consider a *motion* to approve the purchase of Bomag BW120AD-5 roller from Miller-Bradford & Risberg, Inc. in the amount of \$55,663.49 through the Sourcewell Bid contract.
9. **Motion:** Consider a *motion* to enter into a contract with Graef for the design and soil borings for the Forest Hill Manor water relay in the amount not to exceed \$36,800.00.
10. **Motion:** Consider a *motion* to approve the progress payment for the Rawson Ave. Water Extension project to IHC Construction Companies, LLC in the amount of \$57,220.34.
11. **Motion:** Consider a *motion* to approve the purchase of one (1) Towable Diesel Standby Generator from United Rentals in the amount of \$37,000.00

12. **Motion:** Consider a *motion* to approve Utility vouchers for payment in the amount of \$921,520.14.

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

TRAFFIC & SAFETY

None.

14. Adjournment.

Dated this 7th day of January, 2022

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 766-7000, by fax at 766-7976, or by writing to the ADA Coordinator at the Oak Creek Health Department, 8040 S. 6th Street, Oak Creek, Wisconsin 53154.

It is possible that members of and possibly a quorum of members of other governmental bodies of the municipality may attend the above-stated meeting to gather information; no action will be taken by any governmental body at the above-stated meeting other than the governmental body specifically referred to above in this notice



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BOARD OF PUBLIC WORKS AND CAPITAL ASSETS

BOARD MINUTES December 14, 2021 9:00 A.M.

The City's Vision

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

1. Call Meeting to Order.

Alderman Guzikowski called the meeting to order at 9:03 am.

2. Roll Call.

All Board members were present at roll call.

Also Present: Assistant City Administrator/Comptroller Max Gagin, Water Utility General Manager Mike Sullivan, City Engineer Mike Simmons, Water Utility Engineer Brian Johnston, Assistant Fire Chief Tom Jonson, Captain Dave Stecker, and Design Engineer Ashley Kiepczynski.

3. Approval of Minutes- 11/09/2021.

Dale Richards made a motion to approve the minutes of November 9, 2021. Alderman Gehl seconded. On roll call: all voted aye. Motion carried.

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

Gagin stated that on November 16, 2021 the Council adopted the 2022 Budget and Capital Improvement Plan. The Capital Improvement Plan was adopted as recommended by the Board of Public Works and Capital Assets. The Council entered into a Professional Service Agreement for the fiber extension project that runs down Ryan Road to the Lakeshore Commons area and which connects the Water Plant and Fire Station 2. The Council approved the purchase of a plow truck for \$173,000 and the purchase of a Loadmaster Compactor for \$191,000. There were no actionable items to report to the Board from the December Common Council meeting.

GENERAL GOVERNMENT CAPITAL ASSETS

5. **Motion:** Consider a *motion* to approve the purchase of two Motorola APX8500 mobile radios in the amount of \$11,111.60.

Jonson explained that beginning the purchase order process now will lock in the lower price, but no money or radios would be exchanged until 2022.

Dale Richards inquired about the possibility of purchasing three radios and staying under the

approved \$17,000 allotment under the CIP. Jonson explained the two new requested radios will take care of the front lines and one more radio would be requested in 2023. Gagin explained if the company will honor the quote for three radios instead of two, it would keep the cost under \$17,000. Since this is a reoccurring Capital Project, if the cost would go over \$17,000, the Finance Department could look to reallocate funds from past projects that are closed out, or include it in a request for next year.

Dale Richards made a motion to purchase up to three Motorola mobile radios. Alderman Gehl seconded. On roll call: all voted aye. Motion carried.

6. **Motion:** Consider a *motion* to approve the purchase of four Watson ergonomic Dispatch Workstations, with installation included, in an amount not to exceed \$82,213.75.

Captain Stecker explained these four stations would replace the four non-ergonomic workstations for dispatchers.

Dale Richards made a motion to approve the purchase of four Watson Ergonomic Dispatch Workstations. Alderman Toman seconded. On roll call: all voted aye. Motion carried.

PUBLIC WORKS & UTILITIES

7. **Motion:** Consider a *motion* to enter into a contract with raSmith for the design of the Drexel Storm Water Lift Station Replacement project in an amount not to exceed \$55,000.

Alderman Gehl asked about the time frame of the project. Johnston stated the company is looking at 16 months.

Alderman Gehl made a motion to enter into a contract with raSmith for the design of the Drexel Storm Water Lift Station Replacement project in an amount not to exceed \$55,000. Robert Cigale seconded. On roll call: all voted aye. Motion carried.

8. **Motion:** Consider a *motion* to enter into a contract with raSmith for the design and construction staking of E. Susan Drive water relay in an amount not to exceed \$38,900.

Alderman Gehl made a motion to enter into a contract with raSmith for the design and construction staking of E. Susan Drive water relay in an amount not to exceed \$38,900. Alderman Toman seconded. Or roll call: all voted aye. Motion carried.

9. **Motion:** Consider a *motion* to enter into a contract with raSmith for the design of the 2022 Sanitary Sewer Rehabilitation project in an amount not to exceed \$55,000.

Johnston explained that raSmith was chosen for this project because they are most familiar with the project.

Robert Cigale made a motion to approve the contract with raSmith for the design of the 2022 Sanitary Sewer Rehabilitation project in an amount not to exceed \$55,000. Alderman Gehl seconded. On roll call: all voted aye. Motion carried.

10. **Motion:** Consider a *motion* to approve the progress payment for the W. Rawson Ave. Hydrant Relocation project to Cornerstone One in the amount of \$72,302.16.

Fred Siepert inquired about the number of hydrants between 20th and 27th Street. Johnston stated there are three hydrants and made additional comments that were inaudible.

Alderman Gehl made a motion to approve the progress payment for the W. Rawson Ave. Hydrant Relocation project to Cornerstone One in the amount of \$72,302.16. Robert Cigale seconded. On roll call: all voted aye. Motion carried.

11. **Motion:** Consider a *motion* to approve the progress payment for the W. Rawson Ave. Water Extension project to IHC Construction Companies, LLC in the amount of \$111,248.48.

Johnston corrected the agenda to reflect the project is located on East Rawson Avenue and not West Rawson Avenue.

Johnston gave an overview of the delays this project has encountered. At this time all the Drexel borings have been completed. Work is continuing on the west end of Rawson. The water main is now going over the culvert instead of under it.

Dale Richards moved item number 11 as listed. Alderman Gehl seconded. On roll call: all voted aye. Motion carried.

12. **Motion:** Consider a *motion* to approve the progress payment for the Sanitary Rehabilitation project to Visu-Sewer in the amount of \$22,780.

Dale Richards moved item number 12 as listed. Robert Cigale seconded. On roll call: all voted aye. Motion carried.

13. **Motion:** Consider a *motion* to approve the purchase of the electronic leak detection equipment from Sewerin in the amount of \$17,649.

Johnston explained the unit from Sewerin comes with a correlator to put on valves to help determine where the leak might be.

Alderman Guzikowski asked how the price of this unit compares to the other units that were tested. Johnston stated it is hard to determine because this unit comes with a correlator. The other units that are just the leak detectors are in the \$5,000-\$8,000 range and the correlators are in the \$25,000 range.

Sullivan stated this is one of the two brands recommended by the satellite leak location company that has done this work all over the country.

Alderman Gehl moved to approve the purchase of the electronic leak detection equipment from Sewerin in the amount of \$17,649. Dale Richards seconded. On roll call: all voted aye. Motion carried.

14. **Motion:** Consider a *motion* to approve the purchase of GPS equipment from Seiler in the amount of \$34,519.30.

Johnston stated a big advantage to the new equipment is that it does not need to be held plumb.

Robert Cigale made a motion to approve the purchase of GPS equipment from Seiler in the amount of \$34,519.30. Dale Richards seconded. On roll call: all voted aye. Motion carried.

15. **Motion:** Consider a *motion* to approve Utility vouchers for payment in the amount of \$741,376.38.

Dale Richards made a motion to approve Utility vouchers for payment in the amount of \$741,376.38. Alderman Gehl seconded. On roll call: all voted aye. Motion carried.

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

Sullivan highlighted the gallons billed by the Utility is 5% over prior year and 7.1% over the average, showing consistent growth over the five-year period. Alderman Gehl asked if this is sustainable growth. Sullivan explained he wants to go back and look at the previous five years to make sure this growth is not artificially created by a dip in the 2017 and 2018-year time period. Sullivan does not believe the growth seen this year will continue forward, however growth in the 2%-4% range is reasonable.

Dale Richards asked to confirm that retail had a jump in usage. Sullivan confirmed there was a jump, but did not have a document with him showing the customers. However, he did explain that WE Energies' usage has been up over the last six-month period.

Sullivan explained last week there was a water main break inside the Sycamore Tower under the foundation. The repair was delayed while Water Utility was waiting for Digger's Hotline. Sullivan and Johnston have been working to come up with a backup plan if this were to happen again. Sullivan provided details of this plan. The break in the tower likely caused the break on 27th Street.

There will be some cleanup needed for the water main break at 9210 S. Chicago Road.

On December 13, 2021 there was a plant shut down to address an issue with the gate between the two clearwell pieces. The gate is now functional. An engineer was brought in to do the 10-year dry inspection of the two tank sides. There were some minor deficiencies, but nothing serious.

Sullivan explained they are evaluating the leak near the Rawson Avenue connection. There are no updates for Franklin.

The goal for problem manholes will be reevaluated using the new system. Sullivan explained the Utility is low on the operating valves goal because it was discovered through the program that many valves were a problem and needed to be dug up. Utility will resume examining operating valves next year.

Batteries were bought for use in multiple battery backups.

TRAFFIC & SAFETY

17. **Motion:** Re-evaluation of past Board action to approve a request to establish No Parking on the south side of E. Forest Hill Avenue from the west property line of 3401 E. Forest Hill Avenue to S. Chicago Road. (Board may consider various motions or no change to previous action)

Dale Richards requested a reconsideration of this item after Mr. Warren Endthoff approached him informing him of the hardship this is creating for him and his family.

Warren Endthoff, 1218 Forest Hill Avenue, South Milwaukee, addressed the complaints of trucks parked on Forest Hill and a business being run out of a home on the South Milwaukee side of the street. One of the trucks belonged to Mr. Endthoff's girlfriend's son, Michael, and the other was a company vehicle being driven by Michael for work. A company is not being run out of the home. This truck has since been returned to the company. The trucks were temporarily parked on the street while Mr. Endthoff had a rummage sale that took up the garage. Parking on the streets does not happen often and usually occurs when having family functions. If parking is not allowed on the street his family members will need to park farther away and walk down the dark street with no sidewalks.

Alderman Toman suggested a compromise to allow some parking. There were some concerns regarding the egress for Newbury Drive. Mr. Endthoff suggested it does not need to be that restrictive and that properly painting the stripes would resolve the problem.

Simmons explained that the Engineering Department investigated the complaints received by Alderman Toman and consulted with the Wisconsin Department of Transportation (WisDOT) standards. The desirable limits were to not allow parking on the south side of Forest Hill. Taking into consideration that no parking is allowed on the north side of the road, there are minimum standards that can be enacted and still create a safe condition. The minimum standards are depicted in the staff report. The red areas on the map are tapers for the roads leading to the apartments. The Engineering Department believes parking should be restricted in the tapers.

Mr. Endthoff stated residents and visitors of Newbury also park on the south side of Forest Hill Avenue.

Alderman Gehl inquired if the City has an obligation to maintain access to the tapers. Simmons believes the City does. Mr. Endthoff stated the tapers should be marked properly and people could park to the right of the tapers. Simmons was not sure if the shoulder is wide enough to allow a vehicle to be completely to the right of the taper, however if it is wide enough, then the vehicle would technically be out of the taper.

Robert Cigale believes there should be no parking in the taper areas because they were installed for safety purposes.

Lisa Pieper, 2431 Harrison Place, South Milwaukee, inquired if there could be a compromise of no parking one car length from the corner, so there are no blind spots when turning the corner. Simmons stated the Engineering Department does not feel that one car length is adequate and has presented the option with minimum no parking areas. Kiepczynski stated it is 150 feet of no

parking around the roads for the apartments. Ms. Pieper asked if that is the standard. Simmons stated it is standard, given the amount of traffic using the driveway and number of units in the apartment buildings. Ms. Pieper asked if this was the best compromise the Engineering Department was willing to do. Simmons stated it is providing 230 feet of parking, about 10 or 11 parking stalls. Simmons also stated that maintenance needs to be taken into consideration as well. If the shoulder is not adequate for cars to be all the way to the right of the white line, it will create a maintenance issue.

Alderman Toman has received calls from residents saying it is dangerous having cars parked there. Alderman Toman stated it is not a responsible decision to allow parking close to the driveways. Alderman Toman will not support open parking for this stretch of the street.

Angela Cornejo Kapuler, 1216 Forest Hill Avenue, explained she has a large family with three disabled parents and the additional street parking has been a great help for her family during gatherings. Ms. Cornejo Kapuler stated she understands the need to maintain safety standards, however, said if there was any way to add more parking, it would greatly help the neighbors. Ms. Cornejo Kapuler suggested adding other safety considerations such as a convex mirror to aid visibility or adding a stop sign closer to the entrance of the street.

Simmons inquired if South Milwaukee had given any consideration to making modifications to their side of the street which would allow parking right up to the driveways. Mr. Endthoff explained that when he was widening his driveway, the City Engineer of South Milwaukee stated there were plans to widen Forest Hill, so the grade needed to be correct.

Dale Richards asked if Newbury Apartments allows any visitor parking. Kiepczynski stated that the residents she spoke with said there is some visitor parking allowed, but they have also parked on Forest Hill at times.

Dale Richards made a motion to reconsider the original no parking request. Alderman Gehl seconded. On roll call: all voted aye. Motion carried.

Alderman Toman made a motion to restrict parking as outlined by the Engineering Department on the November 19, 2021 handout. Alderman Gehl seconded. On roll call: all voted aye. Motion carried.

18. Adjournment.

Robert Cigale moved to adjourn the meeting at 10:26 am. Alderman Gehl seconded. On roll call: all voted aye.

Dated this 22nd day of December, 2021

STAFF REPORT

Item: Purchase of Respiratory Fit Tester

Recommendation: That the Board of Public Works and Capital Assets approves the purchase of one PortaCount Model 8048-T respiratory fit tester and five year warranty in the amount of \$19,970.

Fiscal Impact: The funding for this equipment will be obtained through the \$20,000 amount approved for 2022 CIP project 22010.

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: Annual respiratory fit testing is mandated by the Occupational Safety and Health Administration (OSHA) for all fire, health, and police department employees who utilize respiratory protection such as N95 masks, P100 masks, and self-contained breathing apparatus. This testing is currently accomplished through the use of a shared fit testing machine maintained by the communities of Oak Creek, Greendale, and Hales Corners. Although economical, this shared use has led to scheduling difficulties due to the number of agencies requiring fit testing. Additionally, the current fit tester is approaching the end of its service life and warranty coverage.

The purchase of a new fit tester, which would be shared between the Oak Creek fire, health, and police departments, will provide the city with its own testing device that will allow for greater efficiency in the scheduling of employee fit testing, and provide for continued compliance with federal regulations. This purchase will also include a 5-year warranty for the new testing device, reducing the city's exposure to potential maintenance costs, as well as ensuring the annual calibration and cleaning of the tester.

Options/Alternatives: NA

Respectfully submitted:



Andrew J. Vickers, MPA
City Administrator

Prepared:

Michael A. Kressuk, Jr
Fire Chief

Fiscal Review:


Maxwell Gaggin, MPA

Title

Attachments: PortaCount Model 8048-T Respiratory Fit Tester and Five Year Warranty Quote



500 Cardigan Road
 Shoreview, MN 55126
 USA
 EIN 41-0843524

Tel:(800)680-1220
 Fax:(651)490-3824
 Web:www.TSI.com
 Email:answers@TSI.com

Quotation

Quote Contact Darcy DuBois Tel: +1 414-766-7950 Email: ddubois@oakcreekwi.gov
Bill-To-Party Oak Creek Hlth Dept 8040 S 6th St Oak Creek WI 53154-2313
Ship-To-Party Oak Creek Hlth Dept 8040 S 6th St OAK CREEK WI 53154-2313

Make PO Out To: TSI Inc.	
Quotation Number	20218179
Quotation Date	12/15/2021
Customer No	523857
Cust. Ref.	2022 8048-T
Incoterms	2020 CPT: Prepay & Add Consignee's Premises
Payment Term	Net 30 days
Valid To	03/31/2022
Currency	USD
Method of Payment	PO, Visa, Amex, Mastercard
Reference Quote number when submitting PO	

Item	Material/Description	Quantity	Unit Price	Amount
1	8048-T PortaCount Model 8048-T; w/ Tablet Respirator Fit Tester Includes: Carry Case; AC Adapter with Universal Plug Set; 8026 Particle Generator (115 VAC); Alcohol Cartridge; Alcohol Fill Capsule; Storage Cap; (2) Zero Check Filters; 3/16" and 1/4" Hose Adapters; (2) Spare Alcohol Wicks; (100) Sampling Probes; (100) Lock Washers; Probe Insertion Tool; Neck Strap; 8016 Alcohol Supply containing (16) 30mL Bottles of Reagent Grade Isopropyl Alcohol; FitPro Ultra Fit Test Software; Microsoft® Surface Go® Tablet; WiFi USB Adapter; USB-A & USB-C Cable; and 2-Year Warranty	1.00 EA	15,005.00	15,005.00
2	B2B5-8048 QG B2B Warranty, 5-Yr, PortaCount 8048 Quality Guard Bumper-To-Bumper 5-year Warranty Contract for Annual Clean and Calibration, as well as Repair Services. TSI covers the cost of standard ground shipping to return the instrument from TSI. Fast Track (expedited) Service included. This B2B Warranty Contract is not applicable when the TSI Service Group has determined that misuse and/or abuse has occurred to the instrument. All 5-year Warranty contracts will be valid for 60 months, from the date of instrument shipment and are linked to the serial number of the instrument. B2B Warranty Contracts are applicable to new instrument sales only. This B2B Warranty Contract is non-transferable, and no other instrument serial number will be accepted for service.	1.00 EA	4,965.00	4,965.00



500 Cardigan Road
 Shoreview, MN 55126
 USA
 EIN 41-0843524

Tel:(800)680-1220
 Fax:(651)490-3824
 Web:www.TSI.com
 Email:answers@TSI.com

Quotation

Bill-To-Party Oak Creek Hlth Dept	Quotation Number 20218179 Quotation Date 12/15/2021
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Item	Material/Description	Quantity	Unit Price	Amount
			Sub Total	19,970.00
			Tax	1,098.35
			Total Amount	21,068.35

- 1) Please email orders to: marty.brands@tsi.com.
- 2) If your organization is tax exempt, please send a copy of your certificate along with your order.
- 3) Shipping is Pre-pay and Add to final invoice, or customer can provide their own UPS, or FedEx account shipping number at time of order or on purchase order.

Marty Brands
 Technical Sales Specialist II
 TSI Health & Safety Division
 marty.brands@tsi.com

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This Quotation is subject to the warranties, disclaimers and all other terms and conditions set forth by TSI Inc. and incorporated by reference and to no others. Seller reserves the right to change prices effective on any new orders, provided Seller notifies in writing those with currently valid Quotations prior to any order being placed. This quotation shall become an agreement binding upon the Buyer and Seller when accepted by the Buyer and subsequently accepted by an authorized representative of the Seller at the Seller's home office and thereupon shall constitute the entire agreement between the parties.

Marty Brands
 TSI Incorporated Date 12/15/2021

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 For payment terms, complete credit application at <http://www.tsi.com/credit-app/>

STAFF REPORT

Item: Purchase and Installation of Mitsubishi 1100A 30kVA/27kW Three Phase - Uninterruptable Power Supply (UPS) with back-up battery supply and manual bypass switch

Recommendation: The Board consider a motion to approve the purchase and installation of the Mitsubishi 1100A 30kVA/27kW Three Phase UPS with back-up battery supply and manual bypass switch, from Unified Power in the amount of \$44,231.10

Fiscal Impact: This equipment and installation was approved with the 2020 Budget process as a CIP project of \$31,795.00. The balance of funds will be covered by undesigned Capital Improvement Fund balances.

The following quotes were received for this project:

Nationwide Power: \$48,017.00

Unified Power: \$44,231.10

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 UPS has been in service since the PD took occupancy in this building since August 2003. Our current UPS, also a Mitsubishi, has served us well; however, it has a serviceable life expectancy of 10-15 years, as well as batteries that need to be replaced every 3-5 years. As this CIP was originally approved in 2019 for the 2020 budget we started to work with our vendor in early 2020, and submitted the required 50% down with an anticipated job completion of mid 2020. Unfortunately, COVID hit and changed the availability of both materials and laborers. This then pushed our completion to late 2020, then early 2021, and finally scheduled for summer of 2021. During this time the vendor went out of business. We are currently working with our City Attorney to recover our 50% deposit on the job.

Unfortunately we are well past our serviceable life, and our batteries are beyond their life, as they were to be replaced at the same time, as they were due. This project cannot continue to be delayed. We have worked to get quotes from multiple vendors. Only two reputable and Nationally recognized companies have submitted quotes on this project. They are both competitive, and have confirmed the prices are good for 30 days on the provided quotes, except that shipping continues to fluctuate and could vary from what is quoted.

We have been working with finance, and the \$12,436.10 difference in cost from the 2020 CIP to the current recommended quote will be covered by undesignated Capital Improvement Funds. The \$17,000 deposit that was provided to the previous vendor will be applied to this project once it is recovered from the vendor.

Options/Alternatives: The City needs to be proactive in replacing this critical piece of equipment; therefore, an alternative to not replacing the equipment is not feasible. The Dispatch center needs to be fully functional at all times and ready for any critical incidents as they occur.

Respectfully submitted:



Andrew J. Vickers, MPA
City Administrator

Prepared:



David R. Stecker
Chief of Police

Fiscal Review:

Maxwell Gagin, MPA
Assistant City Administrator / Comptroller

Approved:

Attachments:



DiamondPlus™ 1100 Series

Mission Critical Uninterruptible Power Supplies



Since 1986, Mitsubishi Electric Power Products, Inc. has manufactured precision-engineered Uninterruptible Power Supplies (UPS) to protect our customers' investments in their mission-critical equipment. Mitsubishi Electric's UPS systems are unsurpassed in reliability and efficiency. We are dedicated to developing the best UPS systems on the market, and provide unrivaled service for the lifetime of your UPS.

The DiamondPlus™ 1100: UPS Superior Technology

The DiamondPlus 1100 UPS Series is the latest generation UPS system offered by Mitsubishi Electric. With efficiencies up to 93.4%, a high 0.9 output power factor, and lightweight, compact design, the DiamondPlus 1100 is both green and smart. It gives energy conscious users an alternative UPS solution to meet their needs. Upgradeable in 10 kVA

increments up to 50 kVA, the DiamondPlus 1100 can be arranged in an N+1 configuration, increasing the system's availability and reliability.

Reduced Cost of Ownership

The DiamondPlus 1100 is designed to protect your data and equipment while minimizing downtime that may arise due to power irregularities or failures. If left unprotected, these irregularities such as surges, spikes, and sags can shorten the life of mission critical equipment. Additionally, the negative impact caused by an unplanned power outage can be huge: lost productivity, lost revenue, lost records, damaged equipment and / or products, safety concerns, and unhappy customers are just a few of the possible undesirable outcomes of an unexpected disruption in power. Generally speaking, the life expectancy of a UPS is 15-20 years, and spreading the cost of the unit over its lifetime reduces the cost of ownership. Furthermore, balancing

its purchase cost against the potential costs of lost data can often easily justify its purchase.

Small Footprint / High Efficiency

The compact DiamondPlus 1100 is available in a variety of power ratings ranging from 10 – 50kVA. Its impressive efficiency exceeds 93% at a nominal operating range. Additionally, it has a fully-digital screen and front access, which allows for easy monitoring and faster repair times.

Flexible / Hot Swappable

As with every Mitsubishi Electric UPS system, the DiamondPlus 1100 series is designed with serviceability in mind. The DiamondPlus 1100's power and battery modules are "hot swappable" for maximum flexibility and rapid mean-time-to-repair (MTTR). The DiamondPlus 1100 series is fully supported by Mitsubishi Electric Power Products' 7x24x365 preventive and corrective services, training and application expertise.

Standard Features

- Fully-digital IGBT converter and inverter
- Hot swappable modules
- Pulse Width Modulation (PWM) controls
- On-line upgradable
- Front access UPS
- Small footprint and lightweight. Dimensions: 55.1" H x 19.7"W x 27.0"D
- UL 1778 listed

AC Input

- 208V/120V, 3P, 4W, 60 Hz
- +15%, -30% voltage range
- Reflected Current Harmonic Distortion (THD) 4% @ 100% load, 7% @ 50% load (Typical)
- Power factor: 0.98 at 50% and 100% load
- Surge withstand meets IEEE 587, ANS/IEEE C62.41, Category B

AC Output

- 208V/120V, 4W, 60 Hz
- Power factor: 0.9
- Voltage Regulation: +/-1% Balanced, +/-2% Unbalanced loads
- Frequency Regulation 60 Hz +/-0.01%
- Step Load (100%) +/- 3% variation, recovery less than one cycle
- Voltage THD: 2% Maximum @ 100% Linear Load; 5% @ Nonlinear Load
- Overload: 105-125% -60 sec; 126-150% -30 sec
- EMI Compatibility: FCC Article 47, Part 15 Subpart B, Class A

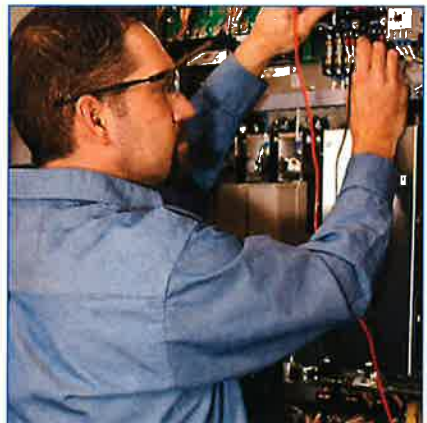
Operating Environment

- Audible Noise 58 dB @ 1 Meter
- Temperature: 0-40 degrees C
- Relative Humidity: 5-95% (Non-condensing)
- Altitude: 0-5,000 ft.

World-Class Service and Support

Mitsubishi Electric Power Products, Inc. is dedicated to the post sales support of our customers. To this end, Mitsubishi Electric offers a wide array of choices for service of the UPS Systems products. These choices range from on-site field services to factory performance testing services to 7x24x365 product technical support. Working in partnership with Mitsubishi Electric for the service needs of your product will ensure that you receive the best value for your service dollar. In addition, you can be assured that you are working with a premier organization which has the resources to provide the solutions necessary to maximize your system reliability.

Mitsubishi Electric is dedicated to providing the most efficient and reliable UPS's available today. Contact us to discuss your specific requirements at 724.772.2555, or visit our website at www.meppi.com.





MITSUBISHI ELECTRIC POWER PRODUCTS, INC.

Uninterruptible Power Supplies Division

Thorn Hill Industrial Park

547 Keystone Drive

Warrendale, PA 15086

Phone: (724) 772-2555

Facsimile: (724) 772-2146

Unified Power

Scott Miller
Phone: (972) 524-6056
Fax: (972) 524-7954
scott.miller@unifiedpowerusa.com
www.unifiedpowerusa.com



Keeping You in Power

Oak Creek Police Department
City of Oak Creek UPS TK
Proposal #: 130782 - Rev: 2
Date: 12/14/2021

Scott Miller
 (972) 524-6056
 scott.miller@unifiedpowerusa.com



City of Oak Creek UPS TK

Invoice To:	End User:
Oak Creek City Milwaukee WI	Oak Creek Police Department

Oak Creek Police Department, 301 West Ryan Road, Oak Creek, WI 53154, US

Description	Rate	Quantity	Price
QTY 1 Mitsubishi DP1100A/30kVA-27KW, 208 Volts in, 208/120 Volts out, 60Hz, .9 p/f Dimensions: 19.7" W x 27" D x 55.2" H, 380 lbs. -Fully Digital IGBT converter and inverter -Hot-Swappable 10kVA Modules -Front-access only -Converter walk-in -Pulse-Width Modulation (PWM) controls -High tolerance for over-load/over-current -Battery current-limit -High-Efficiency -Manufacturer's Standard one (1)-Year UPS Warranty -Manufacturer's Standard Training provided at time of Start-Up (two weeks advance-notice requested for Start-Up) Standard (5 x 8), M-F Start-Up QTY 1 Maintenance Bypass Panel, 3 breaker, Make-before-break, Kirk Keys Wall Mounted, Dimensions: 20" W x 9.5" D x 36" H, 160 lbs. Sized for 30kVA max QTY 1 Battery Cable for 1100A/B for 30kVA QTY 1 BCM04 Line-and-Match Battery Cabinet (Energys HX205 batteries) Provides (15)-Minutes run-time EOL at full 27kW load, 125amp brkr. Dims: 32.55" W x 28.66" D x 55.09" H, Weight: 1,345 lbs.	\$31,016.10	1	\$31,016.10
OPTIONS: QTY 1 Comm Card Part # UA-100544 \$1,224.30 QTY 1 After hours (7x24) Start-Up adder \$990.00	\$0.00	1	\$0.00



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Oak Creek Police Department, 301 West Ryan Road, Oak Creek, WI 53154, US

Description	Rate	Quantity	Price
Police Department UPS Replacement Remove existing electrical feed and load on existing UPS Disconnect and reduction of battery voltage, removal of batteries from UPS main compartment and additional battery compartment Removal of existing UPS system control and battery compartment from facility Remove 24 12V 150WPC batteries from existing battery cabinet (weight reduction on floor travel) Receiving of New UPS controller 1100a and battery compartment at the facility. Install new 1100a UPS unit and side battery compartment on existing concrete slab Remove 100-amp feeder breaker and Install 125-amp properly sized breaker for new 30KVA UPS system Install 10-30KVA wall mounted maintenance bypass. Install line side electrical feeder to maintenance bypass switch and UPS cabinet controller Install load side electrical feeder to UPS load panel	\$12,235.00	1	\$12,235.00
Freight Charges- LTL Freight w/ Lift Gate Delivery **Inside delivery not included. Service can be quoted at an additional cost**	\$980.00	1	\$980.00
Site Total:			\$44,231.10

Comments

Freight will be billed at actual.

Summary

Oak Creek Police Department, 301 West Ryan Road, Oak Creek, WI 53154, US	\$44,231.10
Tax	\$0.00
Total	\$44,231.10



Scott Miller
(972) 524-6056
scott.miller@unifiedpowerusa.com



Unified Power's Terms & Conditions will apply to orders based on this proposal.

Unified Power's Standard Terms attached to this proposal are part of this Agreement and constitutes the entire Agreement between the parties and shall exclusively control the relationship of the parties, with regard to this Agreement. Printed, preprinted or other terms on the face or reverse side of Buyer's Purchase Order shall not be binding. By signing below the Purchaser represents that it is the owner of the Covered Equipment or, if it is not the owner that it has the authority to enter into this agreement.

Unified Power

Oak Creek Police Department

Signature: _____

Signature: _____

Date: _____

Date: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____



Scott Miller
(972) 524-6056
scott.miller@unifiedpowerusa.com



Terms and Conditions

1. Acceptance and Entire Terms and Conditions. All services performed, including but not limited to scheduled, remedial and emergency services (collectively Services) or products, equipment, batteries or parts sold or delivered separately or as part of performing Services (Products) sold by ON COMPUTER SERVICES, LLC, dba UNIFIED POWER (Seller) on behalf of or to the Customer (Customer) named in the attached Proposal (the Proposal) shall be subject to these Terms and Conditions. If Services are being supplied pursuant to Customer's purchase or work order, Seller's acceptance of said purchase or work order is expressly conditioned on Customer's acceptance of these Terms and Conditions. Any of the provisions of Customer's purchase or work order which attempt to impose terms and conditions at variance with these Terms and Conditions shall not be binding on Seller and shall not be considered applicable to the Services contemplated by the Proposal.

2. Delivery, Delays and Title. Any Service completion date or Product delivery date specified on the face hereof is approximate and is not a guarantee of a particular day of completion of the Services to be performed hereunder or delivery of the Products, and such dates are based upon prompt receipt of all necessary information from the Customer. Under no circumstances shall Seller be liable for damages for any delay or failure to perform the Services or deliver the Products as scheduled if such delay or failure is occasioned in whole or in part by reason of force majeure, or any other causes or circumstances beyond Seller's reasonable control or which Seller by reasonable diligence could not have avoided.

3. Warranty and Seller's Limitation of Liability. Seller's sole warranty pursuant to these Terms and Conditions shall be that all Services performed shall be performed in a competent manner, and that any Products provided hereunder and any incidental materials and consumables utilized in the performance of the proposed Services will be new or like new and free from defects in workmanship and will conform to the applicable drawings and specifications. If Customer identifies any failure of Seller to meet the above stated warranty within thirty (30) days from the date such Service or installation of such Products, Customer must immediately notify Seller in writing. Any claims of Customer, shall not be cause for the cancellation of the Proposal or these Terms and Conditions.

NO WARRANTY, EXPRESS OR IMPLIED INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS, ARE EXTENDED BY SELLER, OR MAY BE EXTENDED BY CUSTOMER, TO ANY THIRD PERSON. NOTWITHSTANDING ANYTHING IN THIS CONTRACT OR OTHERWISE TO THE CONTRARY, SELLER SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECTLY OR INDIRECTLY, ARISING FROM THE PERFORMANCE OF SERVICES OR DELIVERY OF A PRODUCT, OR FOR INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOSS OF ANTICIPATED PROFITS, LOST SALES, GOODWILL, INJURY TO PERSON OR PROPERTY, OR OTHER ECONOMIC LOSS IN CONNECTION WITH OR ARISING OUT OF: (I) WARRANTY, CONTRACT, NEGLIGENCE OR OTHERWISE RELATED TO A PRODUCT OR (II) THE PERFORMANCE OF ANY SERVICE WHETHER A CLAIM FOR SUCH DAMAGE IS BASED UPON WARRANTY, CONTRACT, NEGLIGENCE OR OTHERWISE, WHETHER OR NOT THE POSSIBILITY OF DAMAGE WAS DISCLOSED TO SELLER OR COULD HAVE BEEN REASONABLY FORESEEN BY SELLER. ANY ACTION OR REMEDY BY CUSTOMER ARISING OUT OF THIS CONTRACT OR ANY BREACH THEREOF MUST BE COMMENCED BY CUSTOMER WITHIN SIX (6) MONTHS AFTER SUCH CAUSE OF ACTION SHALL HAVE ACCRUED. CUSTOMER SHALL INDEMNIFY SELLER FROM ANY SUCH CLAIMS, INCLUDING REASONABLE ATTORNEY FEES, EXPERT FEES AND COURT COST. SELLER ASSUMES NO RESPONSIBILITY FOR ANY DAMAGE OR INJURY TO ANY PERSONS OR PROPERTY, WITH RESPECT TO ANY SERVICES PROVIDED BY SELLER WITH RESPECT TO THIS CONTRACT (WHICH MAY INCLUDE INSTALLATION AND FURTHER RELATED SERVICES), EXCEPT AS SUCH DAMAGES OR INJURY MAY BE HELD TO BE THE SOLE AND DIRECT RESULT FROM OR OUT OF (A) ANY GROSSLY NEGLIGENT PERFORMANCE BY SELLER OF ITS OBLIGATIONS UNDER THE TERMS OF THIS CONTRACT, OR (B) ANY WILLFUL MISCONDUCT ON THE PART OF THE SELLER, ITS AGENTS OR EMPLOYEES. No person has any authority to bind Seller to any affirmation, representation or warranty concerning the Services, except an authorized agent of Seller who agrees to the same in writing. In no event shall any different and/or additional affirmation, representation or warranty relating to the Services.

4. Returns. Products may be returned to Seller only after receipt by Customer of written authorization and shipping instructions from Seller signed by an authorized agent of Seller.

5. Cancellations. All requests for cancellation must be made in writing by Customer, and orders or service contracts shall not be cancelled without the prior written consent of Seller signed by an authorized agent of Seller. Orders for Products or Services in process or completed at the time Customer's cancellation is received by Seller are subject to cancellation charges up to the invoice value of the Products or Services.

6. Price. All prices stated in Seller's Proposal or in the attached rate sheets will be maintained for Services performed within thirty (30) days from the date of the Proposal (Price Maintenance Date) unless extended by Seller at its sole option. Prices stated herein do not include installation, freight and handling charges, unless such item is specifically listed and priced in the agreements between Seller and Customer.

7. Payment. Unless otherwise specifically provided in the Proposal, invoices for performance of any non-Contract Services will be processed upon completion of the Service. Invoices for all Products not sold as part of a Service will be processed upon shipment of the Products to Customer. Payment of all invoices is due within thirty (30) days from the date of the invoice. Payment to Seller by Customer will not be contingent on third party payments to Customer. Any payment not made when due shall be subject to a one and one half percent (1-1/2%) service charge per month which will be added to all balances past due, which is an annual rate of eighteen percent (18%). In addition, an amount equal to twenty percent (20%) of the service price will be added to all outstanding principal balances which are more than thirty (30) days past due if, in the sole opinion of Seller, it is necessary to utilize the services of an attorney and incur related expense in the collection of the account and such additional amount shall be an obligation of Customer. In the event that Seller in its sole opinion shall decide it



Unified Power
217 Metro Dr., Terrell, TX 75160
Phone: 972.524.6050 Fax: 972.524.7954
www.unifiedpowerusa.com

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Scott Miller
(972) 524-6056
scott.miller@unifiedpowerusa.com



is necessary to file court action in order to collect any outstanding balance, then Customer shall be obligated to reimburse Seller for all attorneys fees and court costs.

8. Default. The following specific conduct shall be considered a default under these Terms and Conditions:

1. Failure to pay when due any amounts pursuant to any of the agreements between Seller and Customer.
2. The filing of a bankruptcy proceeding by or against Customer or attachment or garnishment proceedings commenced against Customer which is not dismissed within thirty (30) days after the date of filing.
3. Any breach of the terms of these Terms and Conditions or any other agreements between Seller and Customer, other than as set forth in subsection 1 or 2 of this Section 8 and such default continues for twenty (20) days after written notice thereof by the party not in breach, such continuing breach shall constitute a default by the breaching party.

Upon an event of default by Customer pursuant to subsection 1 or 2 of this paragraph, or if the financial responsibility of Customer shall become impaired or shall be deemed unsatisfactory by Seller for any reason, or if Customer shall default under any of its agreements between Seller and Customer, then in such case (i) upon demand by Seller, Customer shall provide satisfactory security or advance cash payment and performance of Services or delivery of Products may be withheld by Seller until such security or payment is received; (ii) Seller may declare all of Customers outstanding indebtedness to Seller immediately due and payable; and/or (iii) Seller shall have the option to immediately withhold deliveries and suspend performance and to resume deliveries and performance when it deems appropriate or declare the transaction between Seller and Customer void and, upon such an event, Seller shall have no further duties or obligations to Customer whatsoever and will retain all amounts paid by Customer. Acceptance by Seller at any time of less than the full amount due Seller shall not be deemed to constitute a waiver of any of Sellers rights hereunder. Sellersrights under this Section of the Terms and Conditions are in addition to all rights available at law or in equity to Seller.

In the event of an uncured default by either party, pursuant to section 3 of this paragraph, the non-defaulting party shall have the right to declare the remaining term of the relationship between Seller and Customer void.

9. Taxes. In addition to any price specified herein, Customer shall pay, or reimburse Seller for the gross amount of any and all taxes that are associated with this transaction unless Customer has furnished Seller with evidence of exemption acceptable to the taxing authorities in advance of this transaction.

10. Governing Law. These Terms and Conditions shall be construed and enforced in accordance with the laws of the State of Texas, exclusive of the Texas conflict of law rules. Any actions, claims or suits (whether in law or equity) arising out of or relating to these Terms and Conditions, or the alleged breach thereof, shall be brought only in courts located in Dallas County, Texas and Customer hereby waives its rights, if any, to bring such actions, claims or suits in any other courts. The parties hereby submit themselves to the jurisdiction of the courts located in Dallas County, Texas for the enforcement of this provision and for the enforcement of any judgment rendered by such courts. If any action, claim or suit is brought by Seller against Customer hereunder, Customer agrees to and does hereby irrevocably appoint the Texas Secretary of State as Customers agent for the acceptance of service of process therein, and a copy of such process shall be mailed by Seller to Customer at Customers last known address.

11. Nonassignability. This Terms and Conditions and its terms shall be binding upon and shall inure to the benefit of the parties hereto, their respective successors and assigns except that neither these Terms and Conditions nor any interest or obligation hereunder shall be assignable or transferable by Customer, in whole or in part, without the prior written consent of Seller.

12. Severability. If any provision or paragraph of these Terms and Conditions is determined to be illegal or unenforceable, it shall not affect the enforceability of any other provision or paragraph of these Terms and Conditions and the Terms and Conditions shall be construed in all respects as if such invalid or unenforceable provisions were omitted.

13. Holiday Scheduling . Seller recognizes nine (9) holiday events each year (Holidays) and there shall be no scheduled maintenance performed by Seller on Holidays. Accordingly, scheduled maintenance rates and availability during Holidays are subject to adjustment. Seller will notify Customer in advance of any conflicts between Sellers Holiday schedule and Customers scheduled maintenance, and such scheduled maintenance shall be rescheduled at a time mutually agreeable to Seller and Customer. Holiday restrictions are not applicable to emergency call-out service, but rates may be adjusted.

14. Notice. Any notice, writing or other communication required or permitted to be given under the terms of these Terms and Conditions shall be in writing and sent to the addresses of Seller and/or Customer set forth in the agreement(s) between Seller and Customer by one or more of the following methods: **(a)** by personal hand delivery; **(b)** by certified or registered mail in the United States mail, postage prepaid, return receipt requested; or **(c)** by a recognized overnight express mail service. If mailed by U. S. Mail, the notice period shall be deemed to begin two (2) days following the date on which that notice is mailed.

15. General Provisions.



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217 Metro Dr., Terrell, TX 75160
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(972) 524-6056
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- a. Unless otherwise specified by Seller, any quotation or proposal of Seller shall expire thirty (30) days from the date of issuance and may be modified or withdrawn at any time prior to the date of Customer's formal written acceptance.
- b. Seller reserves the right to subcontract any of the work to one or more subcontractors.
- c. Any information, suggestions or ideas transmitted by Customer to Seller in connection with performance hereunder are not to be regarded as secret or submitted in confidence except as may be otherwise provided in a writing signed by a duly authorized agent of Seller.
- d. The sale of any Service and Products ordered by the Customer which are not included within the scope of Sellers Proposal or other agreements with Customer is expressly conditioned upon these Terms and Conditions. Terms and conditions included in the Sellers Proposal, where not in conflict with the terms included herein, shall be incorporated by reference. Any additional or different terms and conditions set forth in the Customer's purchase order or similar communication are expressly objected to and will not be binding upon Seller unless specifically agreed to in writing by an authorized Seller employee.
- e. The parties to these Terms and Conditions specifically agree that in the event that any provision of these Terms and Conditions is found, by a court of competent jurisdiction, to be unenforceable under Texas law, such provision(s) shall be waived, to the full extent permitted by law, without invalidating the remaining provisions of the Terms and Conditions.
- f. All subheadings as used herein shall be descriptive only and shall not have any substantive meaning whatsoever.
- g. To the extent that any provisions of these Terms and Conditions conflict with or are inconsistent with the terms as stated in the body of the Proposal attached hereto, then the terms of the Proposal shall prevail.
- h. The parties hereto covenant and warrant that the persons executing the any agreement between Seller and Customer have been duly authorized to execute said agreement, and the agreement and these Terms and Conditions constitute a valid and legally binding obligation of the parties hereto.

-END OF TERMS AND CONDITIONS-



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Proposal #: 130782
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STAFF REPORT

Item: Purchase of Crafcro Patcher II Hot Mastic Applicator

Recommendation: That the Board consider a motion to approve the purchase of a Crafcro Patcher II Hot Mastic Applicator from Sherwin Industries, Inc. in the amount of \$77,894.30.

Fiscal Impact: This equipment purchase was approved with the 2022 CIP Budget for \$76,000. The balance of funds will be covered by undesignated Capital Improvement Fund balance.

The following quotes were received for this unit:

Sherwin Industries, Inc. \$77,894.30

Sourcewell Bid Pricing \$82,849.24

- 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: This mastic applicator is designed to fill larger voids in roadways that are not practical with our current crack seal equipment. As the streets in the City of Oak Creek continue to age, this machine will allow us to fill in some of the larger gaps and cracks that occur. This will prevent water from entering the cracks and gaps and then expanding and contracting as it freezes and thaws, which accelerates deterioration of our roadways. Purchasing this item will help extend the life of our existing streets infrastructure.

Options/Alternatives: We can continue to rent the equipment at approximately \$1,800 per week, or \$21,600 per year, when available. However, rental costs would pay for this unit in just over 3.5 years.

Respectfully submitted:

Andrew J. Vickers, MPA
City Administrator

Prepared:

Matthew J. Trebatoski, MPA
Interim Director of Public Works

Fiscal Review:

Maxwell Gagin, MPA

Assistant City Administrator / Comptroller

Attachments: Sherwin Industries Quote, Sourcewell Quote, Sales Sheet and CIP Budget Worksheet

Customer Information:

City of Oak Creek
 800 Puetz Rd.
 Oak Creek, WI 53154
 Ted Johnson
 EMAIL: tejohnson@oakcreekwi.org

Date: 11/2/21

NOTE: Quotation is good for 30 days from the above date. Prices quoted are for quantities shown only.

PART #	DESCRIPTION	UNIT PRICE	PER	QUANTITY	TOTAL
56700-AZ03	Crafco Patcher II (2 Ton/200 gal) Trailer Unit				\$69,037.50
20014	3" Pintle Hitch				\$142.80
24227	Seven Pin Flat Connection				Standard
	Options/Tools				
32246	Chute Scraper (1)				\$90.00
32258	Tank Scraper (1)				\$87.00
32263	Buckets (2)				\$35.00
43549	Spare Tire				\$370.00
57783	Heated Chute Assy				\$6,230.00
32243	Irons (2)				\$102.00

IF YOU HAVE ANY QUESTIONS CONCERNING THIS QUOTATION,
 PLEASE CONTACT MIKE BAIER
 PHONE (414) 405-6511
 EMAIL: MBAIER@SHERWININDUSTRIES.COM

SUBTOTAL	\$76,094.30
FREIGHT	\$1,800.00
SALES TAX	N/A
TOTAL	\$77,894.30

SOURCEWELL PRICING WORKSHEET Contract #052417-CFC

DATE: 21-Dec-21

PURCHASING AGENCY	CONTRACTOR	AUTHORIZED DISTRIBUTOR
City of Oak Creek Mr. Ralph Kneusel 414-570-5681 jfranke@co.green-lake.wi.us 570 South Street Green Lake, WI 54941	CrafcO, Inc. Angie Hoaglin 602-276-0406 480-961-0513 angie.hoaglin@crafcO.com	Sherwin Industries, Inc. Randy S. Jackson / Mike Baier 414-281-6400 414-281-0691 rjackson@sherwinindustries.com

EQUIPMENT PART #/DESCRIPTION:	Description	Discounted Contract Price
Part Number		Price
56700	Patcher II	\$ 74,955.00

EQUIPMENT OPTIONS: (Listed in Contract)			
Price for options requiring multiple units please list the total price not the each price.			
QTY/Part #/Description	Price	QTY/Part #/Description	Price
#20014: 3" Pintle Hitch	\$114.24		\$ -
#24227: Seven Pin Round Blade - STD	\$0.00		\$ -
#24504S: Dual Strobe Light Kit Class 1	\$ ~ 1,020.00		\$ -
#26058: 10# Fire Extinguisher	\$ ~ 192.00		\$ -
#26059: Fire Extinguisher Bracket	\$ ~ 76.00		\$ -
#43549: Spare Tire and MNTG Bracket	\$ 296.00		\$ -
#57783: Heated Chute	\$ 4,984.00		\$ -
#32246: Chute Scraper (1 Included)	0.00		\$ -
#32258: Tank Scraper (1 Included)	0.00		\$ -
#32263: Bucket (2 Included)	0.00		\$ -
#32243: Iron (2 Included)	0.00		\$ -
Subtotal:			\$6,682.24

UNPUBLISHED OPTIONS: (Items not shown in the Contract Price List)			
Price for options requiring multiple units please list the total price not the each price.			
QTY/Part #/Description	Price	QTY/Part #/Description	Price
	\$ -		\$ -
	\$ -		\$ -
	\$ -		\$ -
	\$ -		\$ -
	\$ -		\$ -
	\$ -		\$ -
Subtotal:			\$ -

QUANTITY	1	Equipment Total:	\$ 81,637.24
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MATERIALS: (Listed in Contract Price list)			
Part #/Description	Units	Price/unit	TOTAL
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
Material Total:			\$ -

TRADE-INS/DISC./FREIGHT/TAX			
Description	Price	Description	Price
Freight	\$ 2,500.0000		\$ -
	\$ -		\$ -
	\$ -		\$ -
Subtotal			\$ 2,500.0000
TOTAL:			\$ 84,137.2400

CrafcO Approval By: Angie Hoaglin Date: 12/21/2021 \$ 82,849.24

Not Valid Without Approval

Patcher™

Hot Mastic Sealant Melters



Crafcro Innovation Makes Installing Mastic Sealant Easy

*Designed to melt and prepare
hot mastic sealant like:*

- Crafcro Mastic One®
- Crafcro TechCrete™
- Crafcro Matrix 501/502® Asphaltic Plug
Bridge Joint System
- Deery® Level & Go Repair Mastic®
- Deery® Asphaltic Plug Bridge Joint
System®
- And others

FEATURES & BENEFITS

- Oil-jacketed melter specifically designed to melt mastic sealants
- Features digital controls to assure that mastic temperatures are held within specifications at all times
- Has angled and staggered agitation blades which provide superior material agitation and aggregate suspension for a consistent material blend
- 6:1 gear box delivers high torque to eliminate agitation stall when using high-density material
- Automatic shut-off on the lid to prevent injuries during operation
- Fast and Easy to use

Patcher



Digital controls for temperature accuracy



Dual lids allow for simultaneous loading and cleaning of the bucket



Staggered, angled agitation blades for thorough material blend and to sustain aggregate suspension



Diesel-powered engine



Fuel-efficient and easy-accessible burner

Fast Heat-Up Time

A large burner, extensive heating surface area and precision thermostatic controls allow more heat to get into the material. Depending on the specific mastic, Patchers can melt 1,500 lbs per hour, meaning that 200 gal (757 l) of mastic sealant will achieve 380°F temperature and be ready to pour in 2 hours¹. The new Patcher II is the fastest mastic sealant melter available!

Mastic Application Made Easy

The 6:1 gear box delivers more high torque to both heat and mix the material and keep the aggregate suspended in the binder, providing an evenly mixed mastic sealant solution. The large lever makes the gate easy to operate and the weighted gate defaults to a shut position, keeping material and heat in the Patcher. The heated rear chute provides a smooth, even dispersing of mastic sealant and avoids the plug that was associated with other models.

Designed with Ease-of-Use and Your Safety in Mind

Patchers are equipped with an automatic shut-off on the lid, this provides both melter efficiency and crew safety. The Patcher II is equipped with a vertical hatch, which allows the pour pot to completely cover the opening, trapping the heat inside the machine, allowing the remaining mastic to drain back into the melter.



Drag Box



Optional heated swivel chute (On Patcher II models only)

PATCHER II (Trailer Mount)

Engine/Diesel	20hp Isuzu
Burner	245,000 BTU
Suspension	Dual, independent torsional system
Tires	225/75 R15
Capacity	
Material Vat	200 gal. (757 l)
Heat Transfer Oil	24 gal. (90 l)
Diesel Fuel	26 gal. (98 l)
Hydraulic Oil	15 gal. (57 l)
Dimensions	
Dry Weight	5,000 lbs. (2,268 kg)
Length	179 in. (455 cm)
Width	74 in. (188 cm)
Height	70 in. (178 cm)
Loading Height	60 in. (153 cm)
Chute Height	20 in. (51 cm)

FEATURES

- Diesel-powered
- Digital temperature controls
- Easy clean-out
- Safety shut-off lid
- Curb-side controls
- Designed for an array of materials
- Side burner with tool holder

OPTIONS

- Fire extinguisher
 - Drag Box
 - Heat lance
 - Heated Swivel Chute
 - Hitches
 - Light kits
- And more...

1. This is at an ambient temperature of 80°F (26.67°C)

Order your products or schedule a demonstration today!
phone: +1 (800) 528-8242 • email: sales@crafcro.com • web: crafcro.com



2022 CAPITAL IMPROVEMENT/EQUIPMENT PROGRAM (CIP/CEP)

Department: Public Works	Contact Person: Ted Johnson
Request Title: Crafco Patcher II Hot Mastic Applicator.	
General Description: This mastic applicator is designed to fill larger voids in roadways that would not be practical with our current crack seal machine.	
Justification and Intent: As the roads in Oak Creek continue to age, this would allow us to fill in some of the larger gaps and cracks that occur. This keeps water from entering these gaps which then expands and contracts as it freezes and thaws further deteriorating the road way. Purchasing this item would extend the lifespan of our existing roads.	
Description of Alternatives: Continue to rent equipment at approximately \$1800 per week, when available. Rental costs would pay for this unit in roughly 42 weeks of rental.	
Description of Disposal, if Applicable: N/A	
Impact on other Projects: N/A	
Cost Analysis: (Quotes, estimates, breakdown of potential cost and how you arrived here) \$76,000	
Annual Impact on Operating Budget: (Will we have an additional reoccurring operating cost?) None, if the item is purchased instead of the renting alternative.	



STAFF REPORT

Item: Purchase of Bomag Roller

Recommendation: That the Board consider a motion to approve the purchase of a Bomag BW120AD-5 Roller from Miller-Bradford & Risberg, Inc. in the amount of \$55,663.48 through the Sourcewell Bid contract.

Fiscal Impact: This equipment purchase was approved with the 2022 CIP Budget for \$55,000. The difference in cost will be covered by undesignated Capital Improvement Fund balance.

The following quotes were received for this unit:

Miller-Bradford & Risberg, Inc.	\$56,777.00
Sourcewell Bid Pricing (with In-Body Lighting option)	\$55,663.48

- 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: This roller will be used for street asphalt patching and rolling of athletic fields. It will replace the existing 1991 Case Roller, which will be sold at municipal auction.

Options/Alternatives: We have the option of renting this piece of equipment for \$2,000 per month, if available. We would likely spend approximately \$16,000 per year in securing a rental.

Respectfully submitted:

Andrew J. Vickers, MPA
City Administrator

Prepared:

Matthew J. Trebatoski, MPA
Interim Director of Public Works

Fiscal Review:

Maxwell Gaggin, MPA
Assistant City Administrator / Comptroller

Attachments: Miller-Bradford & Risberg and Sourcewell Quotes, Data Sheet and CIP Budget Worksheet

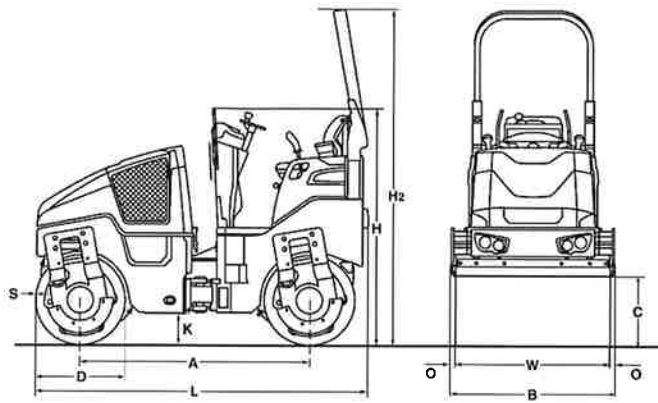


TECHNICAL DATA

TANDEM ROLLERS

BW 100 AD-5, BW 120 AD-5





Dimensions in in

	A	B	C	D	H	H2	K	L	O	S	W
BW 100 AD-5	69.0	42.2	20.6	27.6	71.2	101.1	10.0	99.6	1.4	0.51	39.4
BW 120 AD-5	69.0	50.1	20.6	27.6	71.2	101.1	10.0	99.6	1.4	0.51	47.2

Shipping dimensions in cub.yd

BW 100 AD-5
BW 120 AD-5

without ROPS

6.413
7.614

with ROPS

9.106
10.811

Machine type	Compaction output (cub.yd/h) at recommended soil layer thicknesses		
	Gravel, sand	Mixed soil	Silt, clay
BW 100 AD-5	104.6-189.7	71.9-137.3	49.7-95.5
BW 120 AD-5	111.2-222.4	85.0-163.5	56.2-111.2

Machine type	Compaction output (t/h) at different asphalt layer thicknesses		
	0.8-1.6 in	2.4-3.1 in	3.9-4.7 in
BW 100 AD-5	19.6-52.3	52.3-78.5	78.5-130.8
BW 120 AD-5	26.2-58.9	52.3-91.6	91.6-157.0

Technical Data**BOMAG
BW 100 AD-5****BOMAG
BW 120 AD-5****Weights**

Operating weight w. ROPS CECE	lb	5.732	6.063
Average static linear load CECE	lb/in	72.8	64.2
Grossweight	lb	7.496	7.716

Dimensions

Working width	in	39.4	47.2
Track radius, inner	in	100.4	96.5

Driving Characteristics

Speed	mph	0- 6.2	0- 6.2
Working speed with vibration	mph	0- 6.2	0- 6.2
Max. gradeability without/with vibr.	%	40/30	40/30

Drive

Engine manufacturer		Kubota	Kubota
Type		D1803	D1803
Emission stage		Stage V / TIER4f	Stage V / TIER4f
Exhaust gas aftertreatment		DPF	DPF
Cooling		water	water
Number of cylinders		3	3
Performance ISO 14396	hp	33.0	33.0
Performance SAE J 1995	hp	33.0	33.0
Speed	min-1	2.600	2.600
Speed adjustment 1	min-1	2.500	2.500
Speed adjustment 2	min-1	2.600	2.600
Electric equipment	V	12	12
Driven drum		front + rear	front + rear

Brakes

Service brake		hydrost.	hydrost.
Parking brake		hydromec.	hydromec.

Steering

Steering system		oscil.artic.	oscil.artic.
Steering method		hydrost.	hydrost.
Steering / oscillating angle +/-	deg	32/10.0	32/10.0
Crab walk		0- 50	0- 50

Exciter system

Vibrating drum		front + rear	front + rear
Drive system		hydrost.	hydrost.
Frequency	vpm	3,780.0/4,020.0	3,780.0/4,020.0
Amplitude	in	0.020	0.020
Centrifugal force	lb	29.77/33.67	36.04/40.76

Sprinkler System

Type of sprinkling		pressure	pressure
--------------------------	--	----------	----------

Capacities

Fuel	gal	9.2	9.2
Water	gal	54.2	54.2

Technical modifications reserved. Machines may be shown with options.

Standard Equipment

- Hydrostatic travel and vibration drive
- Travel drive in series
- 2 scrapers per drum, spring loaded and tilttable
- Pressure sprinkler system with interval switch
- Multi function travel lever
- Multi-function display incl. operating hour meter
- Water level
- Emergency STOP
- Individual control, vibration
- Intelligent Vibration Control (IVC)
- Integrated stowage compartment
- Adjustable operator's seat
- Seat contact switch
- Vandalism protection
- 12V socket
- Working lights front and rear
- Back-up alarm
- Lashing eyes, galvanized
- Single point lifting device
- Lockable engine hood made of composite material

Optional Equipment

- * Foldable ROPS incl. seat belt
- Sun roof, foldable with ROPS
- Weather protection for sun roof
- Seat heating
- Sliding seat incl. double travel lever
- ECONOMIZER with asphalt temperature display
- Temperature display
- BOMAG TELEMATIC
- Indicator and hazard lights
- Rotary beacon
- Optional lighting on ROPS
- Lighting for drum edge
- Battery disconnect switch
- Environmentally compliant hydraulic oil
- Theft protection
- Edge cutter-right/left
- Gravel scrapper
- Hydraulically adjustable crabwalk (2.0in)
- Pointer
- Special painting
- Backup warning buzzer with broadband technology
- Flow divider

* Standard delivery with CE conformity
(valid within European Union)





2022 CAPITAL IMPROVEMENT/EQUIPMENT PROGRAM (CIP/CEP)

Department: Department of Public Works	Contact Person: Ted Johnson
Request Title: BOMAG BW120AD-5 Roller.	
General Description: Replacement roller used for asphalt patching and rolling athletic fields.	
Justification and Intent: Replacement for 1991 Case Roller that is 30 years and has outlived his useful life. Parts are difficult or impossible to get at this point.	
Description of Alternatives: Rent the same piece of machinery, if and when rentable options are available.	
Description of Disposal, if Applicable: Roller will be sold at municipal auction.	
Impact on other Projects: N/A	
Cost Analysis: (Quotes, estimates, breakdown of potential cost and how you arrived here) \$55,000	
Annual Impact on Operating Budget: (Will we have an additional reoccurring operating cost?) The option of rental does carry a yearly impact on the budget, per month rental cost for the roller is \$2,000.	



STAFF REPORT

- Item:** Graef design services contract for Forest Hill Manor Water Relay
- Recommendation:** That the Board considers a motion to enter into a contract with Graef for the design and soil borings for the Forest Hill Maor water relay in the amount not to exceed \$36,800.
- Fiscal Impact:** This project was approved with the 2022 Capital Improvement Project budget.
- Critical Success Factor(s):**
 - Vibrant and Diverse Cultural Opportunities
 - Thoughtful Development and Prosperous Economy
 - Safe, Welcoming, and Engaged Community
 - Inspired, Aligned, and Proactive City Leadership
 - Financial Stability
 - Quality Infrastructure, Amenities, and Services
 - Not Applicable

Background: The Board approved the 2022 Capital Improvement Project to relay the water main along S. Verdev Drive, S Griffin Avenue, and E. Valbeth Drive in the Forest Hill Manor subdivision. The project consists of relaying the existing water main with 8-inch PVC water main, approximately 2,540 linear feet, reconnecting the existing water services at the proposed main, and replacing the existing mainline valves, hydrants, hydrant leads and valves. The existing 1960's cast iron water main has had a history of breaks and is in need of replacement. This will impact 41 homes. The main has had 32 breaks over the years. Engineering received 5 RFP's for the project and chose Graef based on the staff qualifications and proposed cost.

Options/Alternatives: The Board could choose not to award the design contract at this time.

Respectfully submitted:

Andrew J. Vickers, MPA
City Administrator

Prepared:

Brian L. Johnston, PE
Utility Engineer

Fiscal Review:

Derrick Danner
Accounting Manager

Approved:

Michael J. Sullivan, PE
General Manager

Attachments:



STAFF REPORT

Item No. 10

Item: Progress Payment for Rawson Avenue Water Extension Project - 20103

Recommendation: That the Board considers a motion to approve the progress payment for the Rawson Avenue Water Extension project to IHC Construction Companies, LLC in the amount of \$57,220.34.

Fiscal Impact: This project is part of the 2020 Capital Improvement Project Budget

Critical Success Factor(s):

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

Background: The Utility Commission approved the 2020 Capital Improvement Project to extend the water main along E. Rawson Avenue. This project includes installing approximately 1,385 LF of 12" water main E. Rawson Avenue from approximately 890' East of S Clement Avenue to approximately 740' West of S. Ash Street. This project will connect two dead end lines. This project will improve water quality and fire flow protection to this area. The water main has been installed, tested, and is in service.

Options/Alternatives: None.

Respectfully submitted:

Andrew J. Vickers, MPA
City Administrator

Prepared:

Brian L. Johnston, PE
Utility Engineer

Fiscal Review:

Derrick Danner
Accounting Manager

Approved:

Michael J. Sullivan, PE
General Manager

Attachments: 20103 Rawson Avenue Water Extension Progress Payment Report

**OAK CREEK WATER AND SEWER UTILITY
PROGRESS PAYMENT REPORT**

PROJECT NO. 20103- Rawson Ave Water Extension

Item No.	Item Description	Bid Quantity	Unit	Unit Price	Total Price	Partial Payment No. 1 August 10, 2021		Partial Payment No. 2 November 9, 2021		Partial Payment No. 3 December 14, 2021		Partial Payment No. 4 January 11, 2022		PROJECT TOTAL	
						Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete	Quantity Complete	Cost Complete
1 a	12" PVC Water Main - Open Cut - Excavated Backfill Material	134	LF	\$159.46	\$21,367.64	134	\$21,367.64		\$0.00		\$0.00	-36.40	-\$5,804.34	97.60	\$15,563.30
1 b	12" PVC Water Main - Open Cut - Excavated Backfill Labor	134	LF	\$51.54	\$6,906.36		\$0.00		\$0.00	50.00	\$2,577.00	47.60	\$2,453.30	97.60	\$5,030.30
2 a	12" PVC Water Main - Open Cut - Select Backfill Material	38	LF	\$157.57	\$5,987.66	38	\$5,987.66		\$0.00		\$0.00	-30.50	-\$4,805.89	7.50	\$1,181.78
2 b	12" PVC Water Main - Open Cut - Select Backfill Labor	38	LF	\$93.43	\$3,550.34		\$0.00	37.50	\$3,503.63	-30.00	-\$2,802.90		\$0.00	7.50	\$700.73
3 a	12" PVC Water Main - Open Cut - Shurry Backfill Material	26	LF	\$178.73	\$4,646.98	26	\$4,646.98	15.00	\$2,680.95		\$0.00	38.05	\$6,800.69	79.05	\$14,128.61
3 b	12" PVC Water Main - Open Cut - Shurry Backfill Labor	26	LF	\$389.27	\$10,121.02		\$0.00	41.00	\$15,960.07	7.25	\$2,822.21	30.80	\$11,989.52	79.05	\$30,771.79
4 a	12" PVC Water Main - Directional Bore Material	1346	LF	\$43.71	\$58,833.66	1346	\$58,833.66		\$0.00		\$0.00	6.00	\$262.26	1,352.00	\$59,095.92
4 b	12" PVC Water Main - Directional Bore Labor	1346	LF	\$110.29	\$148,450.34		\$0.00	780.00	\$86,026.20	570.50	\$62,920.45	1.50	\$165.44	1,352.00	\$149,112.04
5 a	12" PVC Water Main - Installed in Casings Material	100	LF	\$41.68	\$4,168.00	100	\$4,168.00	6.00	\$250.08		\$0.00		\$0.00	106.00	\$4,418.08
5 b	12" PVC Water Main - Installed in Casings Labor	100	LF	\$73.32	\$7,332.00		\$0.00	106.00	\$7,771.92		\$0.00		\$0.00	106.00	\$7,771.92
6	24" Steel Casing - Jacked in Place	100	LF	\$933.00	\$93,300.00		\$0.00	106.00	\$98,898.00		\$0.00		\$0.00	106.00	\$98,898.00
7	Salvage Hydrant	2	EA	\$1,984.00	\$3,968.00		\$0.00		\$0.00		\$0.00	2.00	\$3,968.00	2.00	\$3,968.00
8	Salvage Existing Gate Valve & Box	2	EA	\$1,984.00	\$3,968.00		\$0.00		\$0.00		\$0.00	2.00	\$3,968.00	2.00	\$3,968.00
9 a	Hydrant Assembly Material	3	EA	\$4,378.00	\$13,134.00	3	\$13,134.00		\$0.00		\$0.00		\$0.00	3.00	\$13,134.00
9 b	Hydrant Assembly Labor	3	EA	\$12,311.00	\$36,933.00		\$0.00	1.00	\$12,311.00	1.00	\$12,311.00	1.00	\$12,311.00	3.00	\$36,933.00
10 a	12" Gate Valve and Box Material	3	EA	\$2,925.00	\$8,775.00	3	\$8,775.00		\$0.00		\$0.00	1.00	\$2,925.00	4.00	\$11,700.00
10 b	12" Gate Valve and Box Labor	3	EA	\$3,605.00	\$10,815.00		\$0.00	1.00	\$3,605.00	1.00	\$3,605.00	2.00	\$7,210.00	4.00	\$14,420.00
11 a	Water Monitoring Assembly Material	1	EA	\$4,399.00	\$4,399.00	1	\$4,399.00		\$0.00		\$0.00	-1.00	-\$4,399.00		\$0.00
11 b	Water Monitoring Assembly Labor	1	EA	\$9,889.00	\$9,889.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
12 a	1.25" Poly Water Service Material	216	LF	\$1.04	\$224.64	216	\$224.64		\$0.00		\$0.00	-8.50	-\$8.84	207.50	\$215.80
12 b	1.25" Poly Water Service Labor	216	LF	\$36.96	\$7,983.36		\$0.00		\$0.00	112.50	\$4,158.00	95.00	\$3,511.20	207.50	\$7,669.20
13 a	1.25" Water Service Fittings Material	5	EA	\$353.15	\$1,765.75	5	\$1,765.75		\$0.00	-1.00	-\$353.15		\$0.00	4.00	\$1,412.60
13 b	1.25" Water Service Fittings Labor	5	EA	\$1,673.85	\$8,369.25		\$0.00		\$0.00	3.00	\$5,021.55	1.00	\$1,673.85	4.00	\$6,695.40
14	Abandon Existing Water Service	1	EA	\$2,739.00	\$2,739.00		\$0.00		\$0.00		\$0.00	1.00	\$2,739.00	1.00	\$2,739.00
15 a	STA 27+00 Connection Material	1	EA	\$1,707.00	\$1,707.00	1	\$1,707.00		\$0.00		\$0.00		\$0.00	1.00	\$1,707.00
15 b	STA 27+00 Connection Labor	1	EA	\$13,938.00	\$13,938.00		\$0.00		\$0.00	1.00	\$13,938.00		\$0.00	1.00	\$13,938.00
16	Erosion Control	1	LS	\$2,274.00	\$2,274.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
17	Restoration	1	LS	\$15,465.00	\$15,465.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00
18	Traffic Control	1	LS	\$5,684.00	\$5,684.00		\$0.00	0.50	\$2,842.00		\$0.00		\$0.00	0.50	\$2,842.00
19	Clear and Grub Tree @ 24+10	1	LS	\$2,500.00	\$2,500.00	1	\$2,500.00		\$0.00		\$0.00		\$0.00	1.00	\$2,500.00
CO#1	WeEnergies Conflict	1	LS	\$24,891.56	\$24,891.56	1	\$24,891.56		\$0.00		\$0.00		\$0.00	1.00	\$24,891.56
TOTAL ITEMS 1-19 (inclusive)					\$644,086.66		\$162,400.89		\$233,848.88		\$104,197.15		\$44,989.17		\$835,408.07

Sub-Total Completed To Date	\$535,406.07
Less Allowance for testing and approval	0.0% \$0.00
Less Retainage (5% to 50% complete)	5% -\$13,602.16
Total	\$521,803.91
Less Previous Payments	\$464,583.57
TOTAL PAYMENT DUE THIS PERIOD	\$57,220.34

Recommended for Board Approval by: B. Johns Date: 1-4-22



STAFF REPORT

Item: Utility Standby Generator Purchase

Recommendation: That the Board consider a motion to approve the purchase of one (1) Towable Diesel Standby Generator from United Rentals for \$31,115.00

Fiscal Impact: This is a budgeted item in the 2022 CIP. We budgeted \$37,000.

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: This generator is used during power outages to run our sanitary sewer lift stations and our headquarters building when needed. Our current model is gas powered and extremely loud and inefficient. This new generator will be quiet and efficient diesel power. These were the bids we received:

USA Bluebook	\$37,173
United Rentals	\$31,115

Options/Alternatives: Keep using our 50 year old generator.

Respectfully submitted:

Andrew J. Vickers, MPA
City Administrator

Prepared:

Darrin J. Allard
OCWSU Distribution Manager

Fiscal Review:

Derrick Danner
Accounting Supervisor

Approved:

Michael J. Sullivan, PE
General Manager

Attachments: Generator Spec Sheet

G 50
Mobile Generator, Skid Mounted
 Item Number 0009366

Heavy-duty mobile generator for reliable power
 Compact, sound-attenuated generator provides single and three-phase power for construction, commercial, industrial and special event applications where quiet, reliable power is needed. A solid state digital information center monitors generator output and engine functions plus provides protection against engine and generator faults as well as standard automatic remote starting for standby applications. Skid-mounted units feature a fully integrated, large capacity fuel tank for long run times, even without a trailer.



- ▼ [Accessories](#)
 - ▼ [Technical Data](#)
 - ▼ [Features and Benefits](#)
- ▼ [Manuals](#)
 - ▼ [Standard Package](#)
- ▶ [Spare Parts for this Model](#)
 - ▶ [Printer Friendly Version](#)

Accessories – G 50

Accessories are not included with machine purchase.

- **Engine block heater**
[0115675](#)

- **Electronic governor kit**
[0116141](#)

[Top](#) | [Accessories](#) | [Technical Data](#) | [Features and Benefits](#) | [Manuals](#) | [Standard Package](#)

Technical Data – G 50

Description	Metric	Imperial
Length x width x height (skid mounted)	2.445 x 965 x 1.345 mm	96 x 38 x 55 in
Operating weight, Skid mounted	1.720 kg	3,793 lb
Dry weight, Skid mounted	1.432 kg	3,157 lb
Generator with optional trailer Length x width x height	3.990 x 1.525 x 1.855 mm	157 x 60 x 73 in
Operating weight with optional trailer	2.162 kg	4,768 lb

Standby output	42/53 kW/kVA	42/53 kW/kVA
Prime output	38/48 kW/kVA	38/48 kW/kVA
AC voltage 1 Ø	120/240 V	120/240 V
AC voltage 3 Ø	208/480 V	208/480 V
Frequency	60 Hz	60 Hz
Power draw	1,0/0,8 kW	1.0/0.8 hp
Voltage regulation no load to full load	+/-1%	+/-1%
Voltage regulation steady state	+/-,2%	+/-,2%
Insulation class	H	H
Generator type	Brushless	
Sound level at max. load (dB(A) at 23 feet)	66 dB(A)	66 dB(A)
Engine Type	John Deere	
Power @ 1800 rpm	50 kW	67 hp
Displacement	4,5 cm ³	274.6 in ³
Speed	1.800 1/min	1,800 rpm
Fuel tank capacity	336 l	89 US gal
Fuel consumption (full load)	12,5 l/h	3.3 US gal/h
Battery	12V/720 CCA	
Trailer hitch type	3 in Pintle	
1 Ø 120V - 20 A GFI duplex	2	2
1 Ø 120/240V - 50 amp twist lock:	2	2
1 Ø 120/240V-30 amp twist lock	1	

Specifications may change due to continuous product development.

[Top](#) | [Accessories](#) | [Technical Data](#) | [Features and Benefits](#) | [Manuals](#) | [Standard Package](#)

Features and Benefits – G 50

- Unit offers low noise, mobile power for virtually any sound-sensitive application. Utilizing proven technology and simple design, this quiet generator provides excellent reliability in the most demanding environments.

- Brushless generator features a separate excitation winding for excellent motor starting and an enhanced ability to run non-linear loads.
- Durable features like stainless steel external hardware and automotive corrosion treatment of select body parts provide a long-lasting, quality appearance ensuring a high resale value.
- Generator control panel swings open as one complete unit for easy servicability.
- Factory-installed customized options are available. These include, but are not limited to, a fluid containment system, an electronic governor and additional camlock panel.
- Optional single-axle trailers are fully equipped and highway ready with DOT lighting, chains, height adjustable coupler and electric or hydraulic surge brakes.

ACCOUNTS PAYABLE SUMMARY

January 2022

Vendor	Description	Dollar Amount
Badger Daylighting Corp.	Vac Truck Services for Sycamore Tower Main Break	\$2,593.63
Baxter & Woodman	Services- Rawson Ave Water Main Relay	29,475.00
CH2M	Services-PLC Replacement	17,406.45
Chase Card Services	Charge Card Invoices	6,741.21
City of Oak Creek	City Bills covering Quarter 1 through Quarter 3	633,829.83
Clark Dietz, Inc.	Services-Plant Electrical Upgrade	2,005.44
Crane Engineering Sales, Inc.	Low Lift Valve Replacement	12,176.00
Dan Plautz Cleaning Service, Inc.	Cleaning and Polishing of Headquarters' Floors	2,205.00
Hawkins, Inc.	Potassium Permanganate	7,878.47
IHC Construction Companies	Rawson Ave Water Main Payment #4	57,220.34
Kwik Trip Extended Network	Gas for Truck Fleet	2,335.99
L&S Electric, Inc.	Low Lift VED Repair	2,058.00
Lincoln Contractors Supply	Concrete Working Tools, Electrical Pumps for Main Break	2,568.10
Milwaukee Metropolitan Sewerage District	Metro Bills	36,846.83
Nielsen Madsen & Barber	Services-Sanitary Sewer Rehab	9,980.00
Oak Creek Utility	Utility's Metro Bill	12,187.94
Payne & Dolan, Inc.	Rawson Ave Water Main Relay	9,142.96
Pomp's Tire Service, Inc.	Tires for Utility Vehicles	1,715.92
R.A. Smith National	Services-Mod Homes, Rawson Hydrant Relo, Drexel Lift Station, Bender Sewer	17,707.26
RailPros	Services- Rawson Ave Water Main Relay	15,045.00
RevSpring, Inc.	Processing of November Billing, Envelopes	2,565.70
Schmitz Ready Mix, Inc.	Water Main Break Restoration	1,304.00

The Transmitter Shop	Level Transmitter for Sycamore Tower	1,022.00
Wisconsin Electric Power Company	Electric/Gas Bills	26,556.27
Subtotal		912,567.34
Remaining Invoices		8,952.80
TOTAL OF ACCOUNTS PAYABLE INVOICES TO BE PAID		\$ 921,520.14

DATE: 01/04/22
 TIME: 09:04:29
 ID: AP441000.WOW

Oak Creek Water & Sewer Utility
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 01/11/2022

INVOICE #	INVOICE DATE	INVOICE ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
01230			ACE HARDWARE-SOUTH MILWAUKEE					
063371	12/20/21	01	PARTICLE COUNTER SUPPLIES	082664202			12/20/21	37.98
							INVOICE TOTAL:	37.98
063407	12/20/21	01	VACCON REAR DOOR REPAIR PARTS	092882702			12/20/21	46.95
							INVOICE TOTAL:	46.95
							VENDOR TOTAL:	84.93
03800			ALLARD, DARRIN					
2021-CELL:SEPT-DEC	01/03/22	01	CELL PHONE: SEPT-DEC 2021	083292602			01/03/22	70.00
		02		093285402				30.00
							INVOICE TOTAL:	100.00
							VENDOR TOTAL:	100.00
06250			AMERICAN INDUSTRIAL					
2022-01	01/03/22	01	RUG/COVERALL CLEANING SERVICES	082462602			01/03/22	122.10
		02		082664302				122.10
		03		082866202				278.79
		04		092882702				69.69
							INVOICE TOTAL:	592.68
							VENDOR TOTAL:	592.68
10349			ASSOCIATED TRUST CO.					
21739	01/03/22	01	BOND FEES	083293012			01/03/22	475.00
							INVOICE TOTAL:	475.00
21814	12/20/21	01	BOND FEES	083293012			12/20/21	356.25
							INVOICE TOTAL:	356.25
							VENDOR TOTAL:	831.25
11160			BADGER DAYLIGHTING CORP					
2289794	12/20/21	01	VAC TRUCK SERVICES-SYCAMORE	082867302			12/20/21	2,593.63

DATE: 01/04/22
 TIME: 09:04:29
 ID: AP441000.WOW

Oak Creek Water & Sewer Utility
 DETAIL BOARD REPORT

INVOICES DUE ON/BEFORE 01/11/2022

INVOICE #	INVOICE DATE	ITEM #	DESCRIPTION	ACCOUNT #	P.O. #	PROJECT	DUE DATE	ITEM AMT
11160			BADGER DAYLIGHTING CORP					
2289794	12/20/21	02	TOWER MAIN BREAK	** COMMENT **			12/20/21	
							INVOICE TOTAL:	2,593.63
							VENDOR TOTAL:	2,593.63
11640			CHASE CARD SERVICES					
2022-01-BJ	01/03/22	01	JOHNSTON-WIAWWA CONFERENCE	083292602			01/03/22	174.00
							INVOICE TOTAL:	174.00
2022-01-DA	01/03/22	01	ALLARD-MAIN BREAK SUPPLIES,	082867302			01/03/22	27.38
		02	LAPTOP MOUNT, SHOP TOOLS	083693302				287.60
		03		082866202				153.64
		04		092882702				65.85
							INVOICE TOTAL:	534.47
2022-01-DN	01/04/22	01	NIEMI-UPS, FLASH DRIVES,	083292102			01/04/22	1,236.19
		02	NETWORK HARDWARE, EXTERNAL	093285102				529.79
		03	SSD-POSM, PLANT SECURITY	** COMMENT **				
		04	DISPLAY	** COMMENT **				
							INVOICE TOTAL:	1,765.98
2022-01-MR	01/04/22	01	ROBE-HARNESSES, CALENDARS,	082462602			01/04/22	952.12
		02	PETRI DISHES, COMPRESSED AIR,	082664202				168.75
		03	SHIPPING, CLEANING SUPPLIES,	082664302				952.14
		04	ICE, STEP STOOL, TAPE,	** COMMENT **				
		05	SCAFFOLDING, RAIN GEAR	** COMMENT **				
							INVOICE TOTAL:	2,073.01
2022-01-MS	01/03/22	01	SULLIVAN-AWWA CONFERENCE	083292602			01/03/22	1,479.39
							INVOICE TOTAL:	1,479.39
2022-01-NB	01/03/22	01	BUTLER-PHONE & INTERNET BILLS	082260302			01/03/22	15.00
		02		082462402				5.00
		03		082462602				10.00

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30000	DIGGERS HOTLINE INC.							
210961601	12/20/21	02	EMAIL TICKETS 382 @ \$1.74	092882022			12/20/21	168.20
		03	PHONE TICKETS 3 @ \$2.70	082886222				168.19
							INVOICE TOTAL:	672.78
							VENDOR TOTAL:	672.78
37590	ELLSWORTH COMPANY							
0842558-IN	12/20/21	01	BULK OIL STORAGE TANKS	083693302			12/20/21	615.39
							INVOICE TOTAL:	615.39
							VENDOR TOTAL:	615.39
42400	FEDERAL EXPRESS CORP.							
759095109	12/20/21	01	SHIPPING-EPA PRODUCTS RETURN	083293002			12/20/21	14.20
		02	-PP	093285602				6.08
							INVOICE TOTAL:	20.28
							VENDOR TOTAL:	20.28
43075	FIRST SUPPLY LLC							
13012280-00	12/20/21	01	HYDRANT FITTINGS-VALVES	082867702			12/20/21	203.38
							INVOICE TOTAL:	203.38
							VENDOR TOTAL:	203.38
43154	FLATOW, JAMES							
2021-CELL:SEPT-DEC	01/03/22	01	CELL PHONE: SEPT-DEC 2021	083292602			01/03/22	70.00
		02		093285402				30.00
							INVOICE TOTAL:	100.00
							VENDOR TOTAL:	100.00
43417	GALEWSKI, SALLY							
2021-CELL:SEPT-DEC	01/03/22	01	CELL PHONE: SEPT-DEC 2021	083292602			01/03/22	70.00

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43417	GALEWSKI, SALLY							
2021-CELL:SEPT-DEC	01/03/22	02		093285402			01/03/22	30.00
							INVOICE TOTAL:	100.00
							VENDOR TOTAL:	100.00
46875	WW GRAINGER INC.							
9152350246	01/03/22	01 02	TRASH BAGS	082462602 082664302			01/03/22	6.80
							INVOICE TOTAL:	6.81
							VENDOR TOTAL:	13.61
47375	HANNA TRAILER							
175331-1	01/03/22	01	PROPANE-FORKLIFT	083693302			01/03/22	23.05
							INVOICE TOTAL:	23.05
							VENDOR TOTAL:	23.05
47900	HAWKINS, INC.							
6079134	12/20/21	01	POTASSIUM PERMANGANATE	080415400			12/20/21	7,878.47
							INVOICE TOTAL:	7,878.47
							VENDOR TOTAL:	7,878.47
49300	HESTIA LABORATORIES, INC.							
5596	12/20/21	01	LAB SUPPLIES	082664202			12/20/21	43.36
							INVOICE TOTAL:	43.36
5610	01/03/22	01	LAB SUPPLIES	082664202			01/03/22	165.20
							INVOICE TOTAL:	165.20
							VENDOR TOTAL:	208.56
55045	IHC CONSTRUCTION COMPANIES							
20103-PAYMENT #4	01/03/22	01	RAWSON WATER MAIN RELAY PMT #4	080120103			01/03/22	57,220.34
							INVOICE TOTAL:	57,220.34
							VENDOR TOTAL:	57,220.34

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56860	KELLER-HEARTT OIL							
0395168-IN	12/20/21	01	EQUIPMENT OIL-PLANT	083693302			12/20/21	64.00
							INVOICE TOTAL:	64.00
							VENDOR TOTAL:	64.00
58150	KWIK TRIP EXTENDED NETWORK							
NP61305467	01/03/22	01	BG2315613-GAS-TRUCK FLEET-PP	083693302			01/03/22	2,335.99
							INVOICE TOTAL:	2,335.99
							VENDOR TOTAL:	2,335.99
58680	L & S ELECTRIC INC.							
659712	01/03/22	01	LOW LIFT VED REPAIR	082463102			01/03/22	2,058.00
							INVOICE TOTAL:	2,058.00
							VENDOR TOTAL:	2,058.00
60001	LERANTH, CATHERINE							
2021-CELL:SEPT-DEC	01/03/22	01	CELL PHONE: SEPT-DEC 2021,	083292602			01/03/22	80.00
		02	MILEAGE	093285402				34.28
							INVOICE TOTAL:	114.28
							VENDOR TOTAL:	114.28
62501	LINCOLN CONTRACTORS SUPPLY							
N68732	01/03/22	01	CONCRETE WORKING TOOLS	082866202			01/03/22	550.30
		02		092882702				235.84
							INVOICE TOTAL:	786.14
N73209	01/03/22	01	ELECTRICAL PUMPS-MAIN BREAK	082867302			01/03/22	1,781.96
							INVOICE TOTAL:	1,781.96
							VENDOR TOTAL:	2,568.10
65454	MAUGHAN, RYAN							

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65454	MAUGHAN, RYAN							
2021-CELL:SEPT-DEC	01/03/22	01	CELL PHONE: SEPT-DEC 2021	083292602			01/03/22	70.00
		02		093285402				30.00
								100.00
								100.00
								INVOICE TOTAL:
								VENDOR TOTAL:
65599	MCMMASTER-CARR							
70252519		01	PARTICLE COUNTER INSTALL	082665202			01/03/22	181.57
		02	SUPPLIES	** COMMENT **				181.57
70269116		01	ELECTRICAL CONNECTORS	082462602			01/03/22	116.10
		02		082664302				116.10
								232.20
								INVOICE TOTAL:
70272091		01	TOOLS-PLANT	082462602			01/03/22	69.88
		02		082664302				69.89
								139.77
								INVOICE TOTAL:
70275324		01	PLUMBING PARTS	082463102			01/03/22	15.25
		02		082665102				15.26
								30.51
								584.05
								INVOICE TOTAL:
65611	MENARDS							
35413		01	SHOP TOOLS	082866202			12/20/21	135.02
		02		092882702				57.86
								192.88
								INVOICE TOTAL:
35586		01	LIFT STATION HEATERS	082866202			12/20/21	30.79
		02		092882702				13.19
								43.98
								INVOICE TOTAL:
35692		01	METER SHOP SUPPLIES	082866202			12/20/21	34.80

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65611			MENARDS					
35692	12/20/21	02		092882702			12/20/21	14.92
							INVOICE TOTAL:	49.72
35752	12/20/21	01 02	ELECTRICAL SUPPLIES-HDQ	082866202 092882702			12/20/21	32.68
							INVOICE TOTAL:	14.00
							INVOICE TOTAL:	46.68
35848	01/03/22	01 02	SHOP TOOLS	082866202 092882702			01/03/22	194.17
							INVOICE TOTAL:	83.21
							INVOICE TOTAL:	277.38
35982	01/03/22	01	CLEMENT LIFT STATION TIMER	092483202			01/03/22	11.30
							INVOICE TOTAL:	11.30
							VENDOR TOTAL:	621.94
65625			MILWAUKEE METRO. SEWERAGE DIST					
282-21	12/20/21	01	METRO BILL	091023202			12/20/21	36,846.83
							INVOICE TOTAL:	36,846.83
							VENDOR TOTAL:	36,846.83
70340			NIELSEN MADSEN & BARBER					
38282-R	01/03/22	01	SANITARY SEWER REHAB	090121105			01/03/22	9,980.00
							INVOICE TOTAL:	9,980.00
							VENDOR TOTAL:	9,980.00
70350			NIEMI, DAN					
2021-CELL:SEPT-DEC	01/03/22	01 02	CELL PHONE: SEPT-DEC 2021	083292602 093285402			01/03/22	70.00
							INVOICE TOTAL:	30.00
							VENDOR TOTAL:	100.00
							VENDOR TOTAL:	100.00
70557			NORTHERN LAKE SERVICE INC.					

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70557			NORTHERN LAKE SERVICE INC.					
412060	01/03/22	01	WATER TESTS	082664202			01/03/22	76.00
							INVOICE TOTAL:	76.00
							VENDOR TOTAL:	76.00
72570			OAK CREEK UTILITY					
2022-01	01/03/22	01	UTILITY'S METRO BILL	082664202			01/03/22	12,187.94
							INVOICE TOTAL:	12,187.94
							VENDOR TOTAL:	12,187.94
73790			WINDSTREAM ENTERPRISE					
74454160	01/03/22	01	LONG DISTANCE CHRGES: PLT/DIST	082462602			01/03/22	3.00
		02		082664302				3.00
		03		083292102				34.99
		04		093285102				14.99
							INVOICE TOTAL:	55.98
							VENDOR TOTAL:	55.98
74510			PAYNE & DOLAN, INC.					
156115-01	12/20/21	01	RAWSON AVE WATER MAIN RELAY	080120103			12/20/21	9,142.96
							INVOICE TOTAL:	9,142.96
							VENDOR TOTAL:	9,142.96
74756			PIER, ERIC					
2021-CELL:SEPT-DEC	01/03/22	01	CELL PHONE:SEPT-DEC 2021	083292602			01/03/22	70.00
		02		093285402				30.00
							INVOICE TOTAL:	100.00
							VENDOR TOTAL:	100.00
75135			POMP'S TIRE SERVICE INC.					
60261585	12/20/21	01	TIRES	083693302			12/20/21	663.04
							INVOICE TOTAL:	663.04

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75135	POMP'S TIRE SERVICE INC.								
60261587		12/20/21	01	TIRES	083693302			12/20/21	1,052.88
								INVOICE TOTAL:	1,052.88
								VENDOR TOTAL:	1,715.92
75698	PREMIUM WATERS, INC.								
362085824		12/20/21	01	DISTILLED WATER-PLANT	082664202			12/20/21	27.24
								INVOICE TOTAL:	27.24
								VENDOR TOTAL:	27.24
75735	PRICE, GREG								
2021-CELL:SEPT-DEC		01/03/22	01	CELL PHONE: SEPT-DEC 2021	083292602			01/03/22	70.00
			02		093285402				30.00
								INVOICE TOTAL:	100.00
								VENDOR TOTAL:	100.00
76050	PROEBER, MARK								
2021-CELL:SEPT-DEC		01/03/22	01	CELL PHONE: SEPT-DEC 2021	083292602			01/03/22	70.00
			02		093285402				30.00
								INVOICE TOTAL:	100.00
								VENDOR TOTAL:	100.00
76575	R.A. SMITH NATIONAL								
161965		12/20/21	01	MOD HOMES	090120051			12/20/21	2,415.00
								INVOICE TOTAL:	2,415.00
162384		12/20/21	01	RAWSON AVE HYDRANT RELOCATION	080121102			12/20/21	1,286.20
								INVOICE TOTAL:	1,286.20
162397		12/20/21	01	BENDER PARK SANITARY SEWER	090412955			12/20/21	3,189.56
								INVOICE TOTAL:	3,189.56

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76575			R.A. SMITH NATIONAL					
162579	12/20/21	01	MOD HOMES	090120051			12/20/21	10,122.00
							INVOICE TOTAL:	10,122.00
162608	12/20/21	01	DREXEL LIFF STATION	090421018			12/20/21	694.50
							INVOICE TOTAL:	694.50
							VENDOR TOTAL:	17,707.26
76775			RAILPROS					
OC3262420211015	12/20/21	01	RAWSON AVE WATER MAIN RELAY	080120103			12/20/21	15,045.00
							INVOICE TOTAL:	15,045.00
							VENDOR TOTAL:	15,045.00
76778			RAMBOLL ENVIRON US CORPORATION					
1690084743	12/20/21	01	LAKEFRONT PROJECT MANAGEMENT	083292302			12/20/21	715.50
							INVOICE TOTAL:	715.50
							VENDOR TOTAL:	715.50
76862			REVSPRING INC.					
INV1304240	12/20/21	01 02	PROCESSING OF BILLING-NOV 2021	083090302 093084002			12/20/21	1,267.85
							INVOICE TOTAL:	543.36
							VENDOR TOTAL:	1,811.21
INV1304740	12/20/21	01 02	ENVELOPES	083090302 093084002			12/20/21	528.13
							INVOICE TOTAL:	226.36
							VENDOR TOTAL:	754.49
76867			RICOH USA INC.					
5063330829	12/20/21	01 02	COPIER USAGE	083292302 093285202			12/20/21	158.09
							INVOICE TOTAL:	67.75
							VENDOR TOTAL:	225.84

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76905	ROPER, JAMEY							
2021-CELL:SEPT-DEC	01/03/22	01	CELL PHONE: SEPT-DEC 2021	083292602			01/03/22	100.00
							INVOICE TOTAL:	100.00
							VENDOR TOTAL:	100.00
77800	WI DEPT SAFETY & PROF SERVICES							
2021-EDLEBECK	01/03/22	01	CROSS CONNECTION CONTROL-PP	082462602			01/03/22	97.50
		02	TESTER REGISTRATION-EDLEBECK	082664302				97.50
							INVOICE TOTAL:	195.00
							VENDOR TOTAL:	195.00
77975	SCHMITZ READY MIX, INC.							
0964903-IN	12/20/21	01	WATER MAIN BREAK-RESTORATION	082867302			12/20/21	635.00
							INVOICE TOTAL:	635.00
0965181-IN	12/20/21	01	WATER MAIN BREAK-RESTORATION	082867302			12/20/21	669.00
							INVOICE TOTAL:	669.00
							VENDOR TOTAL:	1,304.00
82879	STAPLES BUSINESS ADVANTAGE							
3493689255	12/20/21	01	LABEL TAPE, W2 FORMS &	083292102			12/20/21	74.73
		02	ENVELOPES	093285102				32.03
							INVOICE TOTAL:	106.76
3494476515	12/20/21	01	CALENDARS	083292102			12/20/21	31.14
		02		093285102				13.35
							INVOICE TOTAL:	44.49
3495325004	01/03/22	01	CALENDARS, BINDERS, COPY PAPER	083292102			01/03/22	72.12
		02		093285102				30.91
							INVOICE TOTAL:	103.03
							VENDOR TOTAL:	254.28

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83035	STRUEBING CHARLES							
2021-CELL:SEPT-DEC	01/03/22	01	CELL PHONE: SEPT-DEC 2021	083292602			01/03/22	70.00
		02		093285402				30.00
								100.00
								100.00
84000	SUPERIOR CHEMICAL							
320801	12/20/21	01	CLEANING SUPPLIES-HDQ	083293002			12/20/21	123.83
		02		093285602				53.07
								176.90
								176.90
90500	THE TRANSMITTER SHOP							
106795	01/03/22	01	LEVEL TRANSMITTER-SYC TOWER	082665202			01/03/22	1,022.00
								1,022.00
								1,022.00
93100	USA BLUE BOOK							
818066	01/03/22	01	LAB SUPPLIES	082664202			01/03/22	231.06
								231.06
820958	01/03/22	01	LAB SUPPLIES	082664202			01/03/22	231.06
								231.06
								462.12
93593	WADE, MICHAEL							
2021-CELL:SEPT-DEC	01/03/22	01	CELL PHONE: SEPT-DEC 2021	083292602			01/03/22	70.00
		02		093285402				30.00
								100.00
								100.00
94741	WHITE, JEFF							

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94741	WHITE, JEFF							
2021-CELL:SEPT-DEC	01/03/22	01	CELL PHONE: SEPT-DEC 2021	083292602			01/03/22	100.00
							INVOICE TOTAL:	100.00
							VENDOR TOTAL:	100.00
96250	WISCONSIN ELECTRIC POWER COMP.							
2022-01-03-E	01/03/22	01	ELECTRIC/GAS BILLS-PP	082462302			01/03/22	11,256.46
		02		082462602				1,231.86
		03		082664202				656.69
		04		082664302				1,641.73
							INVOICE TOTAL:	14,786.74
2022-01-04-E	01/03/22	01	ELECTRIC/GAS BILLS-PP	082462302			01/03/22	5,513.25
		02		082462602				40.24
		03		082866102				41.32
		04		082866502				338.54
		05		083292102				338.54
		06		092482102				197.58
		07		092882702				338.55
		08		093285102				338.55
							INVOICE TOTAL:	7,146.57
2022-01-10-G	01/03/22	01	ELECTRIC/GAS BILLS-PP	082462602			01/03/22	1,598.70
		02		082664302				2,150.87
		03		082866502				218.34
		04		083292102				218.35
		05		092882702				218.35
		06		093285102				218.35
							INVOICE TOTAL:	4,622.96
							VENDOR TOTAL:	26,556.27
							TOTAL ALL INVOICES:	921,520.14

ADMINISTRATIVE OPERATIONS**December 2021****Workload:**

Other administrative tasks included the following:

- Added 6 customer accounts for the month.
- Billed 5,247 water customers and 5,274 sewer customers.

Gallons Billed (in thousands):

	YTD 2021	YTD 2020	YTD 2019	YTD 2018	YTD 2017	Average
Residential	463,797	452,636	416,182	428,992	432,164	438,754
Commercial	510,119	484,111	467,418	462,138	473,265	479,410
Industrial	539,093	494,969	518,921	515,434	454,310	504,545
Public Authority	15,287	10,967	13,327	13,915	14,407	13,581
Wholesale	1,209,485	1,166,202	1,101,720	1,079,451	1,063,012	1,123,974
Total	2,737,781	2,608,885	2,517,568	2,499,930	2,437,158	2,560,264
% Change to Prior Year	4.9%	3.6%	0.7%	2.6%	N/A	
% Change to Average	6.9%	1.9%	-1.7%	-2.4%	-4.8%	

New Customers:

	YTD 2021	YTD 2020	YTD 2019	YTD 2018	YTD 2017	Average
Residential	72	59	31	34	28	44.8
Commercial	8	19	22	21	29	19.8
Industrial	0	1	0	0	0	0.2
Public Authority	0	4	0	1	0	1.0
Wholesale	0	0	0	0	0	-
Total	80	83	53	56	57	65.8

New Residential Customers (YTD 2021):

8380 S NIGHTHAWK TRL, 8421 S NIGHTHAWK TRL, 1111 W MORNINGSIDE LN, 8419 S ROSEWOOD LN, 8459 S ROSEWOOD LN, 1140 W SUNRISE PASS, 1078 W SUNRISE PASS, 8460 S NIGHTHAWK TRL, 1151 W SUNRISE PASS, 8800 S NICHOLSON RD, 9240 S NICHOLSON RD, 1601 E MAPLE VIEW DR, 9382 S ARBOR CREEK DR, 9398 S ARBOR CREEK DR, 9343 S ARBOR CREEK DR, 9247 S ARBOR CREEK DR, 9239 S ARBOR CREEK DR, 9231 S ARBOR CREEK DR, 1267 E HICKORY CREEK CT, 9194 S ARBOR CREEK DR, 3603 E OBRIEN RD, 9975 S SHEPARD AVE, 3991 E OAKWOOD RD, 10873 S SUPERIOR PL, 10862 S MEADE DR, 10842 S MEADE DR, 73 E TAHOE ST, 93 E TAHOE ST, 10854 S MEADE DR, 10820 S MEADE DR, 10779 S SUPERIOR PL, 10787 S SUPERIOR PL, 10797 S SUPERIOR PL, 121 E TAHOE ST, 10843 S MEADE DR, 10832 S MEADE DR, 134 E TAHOE ST, 156 E TAHOE ST, 157 E TAHOE ST, 135 E TAHOE ST, 10837 S SUPERIOR PL, 10828 S SUPERIOR PL, 10817 S SUPERIOR PL, 10844 S SUPERIOR PL, 175 E TAHOE ST, 10810 S MEADE DR, 92 E TAHOE ST, 10831 S MEADE DR, 118 E

TAHOE ST, 10825 S SUPERIOR PL, 10800 S MEADE DR, 10815 S MEADE DR, 155 E ERIE ST, 131 E ERIE ST, 130 E ERIE ST, 154 E ERIE ST, 117 E ERIE ST, 91 E ERIE ST, 10802 S SUPERIOR PL, 10801 S MEADE DR, 10814 S SUPERIOR PL, 90 E ERIE ST, 10778 S SUPERIOR PL, 116 E ERIE ST, 10788 S SUPERIOR PL, 9145 S ARBOR CREEK DR, 8482 NIGHTHAWK TRL, 8378 NIGHTHAWK TRL, 1122 W SUNRISE PASS, 1323 HICKORY CREEK CT, 1243 HICKORY CREEK CT, 9872 S 27TH ST

New Commercial Customers (YTD 2021):

Vision Property Group (2 Accounts), Oakview Industrial Property, Oak View LLC, Emerald Row II LLC (2 Accounts), Hub 13LA LLC, 7727 S Longwater DR

ENGINEERING OPERATIONS**December, 2021****Rawson Avenue Water Looping Project**

IHC Contractors has completed the water main extension in December. The main was tested and is in service currently. We will complete the punch list for the project in January. The final restoration will take place in the Spring of 2022. The residents are able to connect to the new water laterals when they desire. The special assessments will be sent out the end of 2022.

Sanitary Rehab Project

Visu-Sewer did not complete the grouting so they will be back to wrap up the project when the equipment is available for the 21" main.

Low Lift Drive Maintenance

C. W. Purpero had the light pole delivered to the site so the project can be completed in January.

Development Project with Utility Construction

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

- Orchard Hills – Punch list items remain. Developer relocated the mailboxes so they are not in conflict with the valves.
- Hub13 – Punch list items remain.
- Condos at Oak View – The Contractor has completed sanitary sewer installation for Phase 2 of the project. Testing and as built information needs to be wrapped up yet. The water main was started but is waiting on materials to complete.

Lakeshore Commons

Construction operations for the project have begun. Grading for Phase 1 is completed on the project. The water main has been approved by the DNR. The sanitary was approved by MMSD and is waiting on DNR approval. The city is working through the primary environmental corridor boundary with SEWRPC. UPI will be the underground contractor on the project. They are expecting materials to be delivered the middle of January.

DISTRIBUTION & COLLECTION OPERATIONS

December 2021

Water Main Breaks:

On December 6th, the plant informed us of a leak inside the Sycamore Ave. water tower. The 12" cast iron pipe from 1964 began leaking a few inches from the exterior wall on the inside of the tower. Once vac'd out, the repair was made with a repair clamp.

On December 7th, the 12" ductile iron pipe from 1972 on 27th St. @ Sycamore Ave. began leaking. Due to the single digit temperatures, S 27th St. from Rawson to College was shut down in both directions for approximately 4 hours because of the unsafe driving conditions from ice. The OCDPW assisted with salting and plowing operations to allow the road to be re-opened. The main was fixed with two repair clamps.

Water Lateral Repairs:

The lateral for 243 E. Forest Hill Ave. was never connected to the existing lateral when the main was replaced in 2017. The homeowner is on a well and does not utilize our water service. To prevent issues in the future, the owner requested we return the service to pre-construction status. The old and new laterals were joined on December 20th.

Hydrant Repairs/Maintenance:

On December 17th, a hydrant located at 6746 S. 27th St. was repaired after being struck by a vehicle and breaking below grade.

On December 23rd, a hydrant at 9565 S. 20th St. was repaired after being struck by a semi.

Valve Repairs:

A valve was rebuilt at E. Rawson Ave. @ Rolling Meadows Dr. to allow usage during the water main extension project.

Sewer Repairs/Maintenance:

Utility workers wrapped up cleaning and televising for the year.

Two manholes at the Peter Cooper site were cleaned out after being struck during construction and filled with debris.

Miscellaneous:

Remote water and sewer main checks were completed in December.

Manager Allard attended the WIAWWA Leadership Conference in Green Bay on December 10th.

DISTRIBUTION GOALS 2021

JOB DESCRIPTION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS	GOALS
Meters														
Meter Testing & Exchanges	41	193	10	12	2	4	2	20	3	28	5	35	355	325
Cross Connection Inspections	2	5	21	6	6	22	7	15	3	5	11	1	104	150
Industrial Inspections	36	44	19	30	28	26	30	30	57	38	16	25	379	416
Orion Replacements	11	19	27	7	8	23	7	15	5	6	12	3	143	150
Water														
Annual Hydrant Flushing				520	-	-	184	735	581	68	-	-	2,088	2,088
Semi-annual Flushing				31	-	-	78	-	3	106	-	-	218	2x109 (218)
Quarterly Flushing	49			9	-	-	46	-	2	48	-	-	154	4x54 (216)
Flush Emergency Connections				-	-	-	-	-	-	-	3	-	3	3
Watermain Crossings		63		-	-	-	-	-	-	-	-	-	63	63
Operate Valves				-	32	432	28	-	-	-	3	-	495	1,000
Hydrant Painting				-	-	-	79	52	-	-	-	-	131	150
Cathodic Protection Tests				-	-	-	-	-	11	-	-	-	11	11
Check Remote Water Mains				-	-	-	-	-	-	-	27	12	39	39
Sewer														
Clean Sewers	7,038	7,390	36,566	21,737	18,000	22,530	6,632	17,867	23,378	22,247	11,055	10,626	205,065	185,000
Camera Sewers	8,374	8,021	36,566	21,737	18,400	22,239	-	22,346	25,106	23,376	12,835	7,645	206,644	185,000
Check Problem Sewers	2		1	1	-	-	2	-	-	1	4	11	22	21
Check Problem Manholes	76		3	73	-	75	3	-	-	64	3	4	301	308
Check Remote Sewer Mains				-	-	-	-	-	-	-	34	9	43	43
Admin														
Tier II Report	Done													
MMSD Annual CMOM Report						Done								
DNR eCMAR						Done								
DNR River Crossing Stations						Done								
Cross Connection Survey		Done												

PLANT OPERATIONS

December 2021

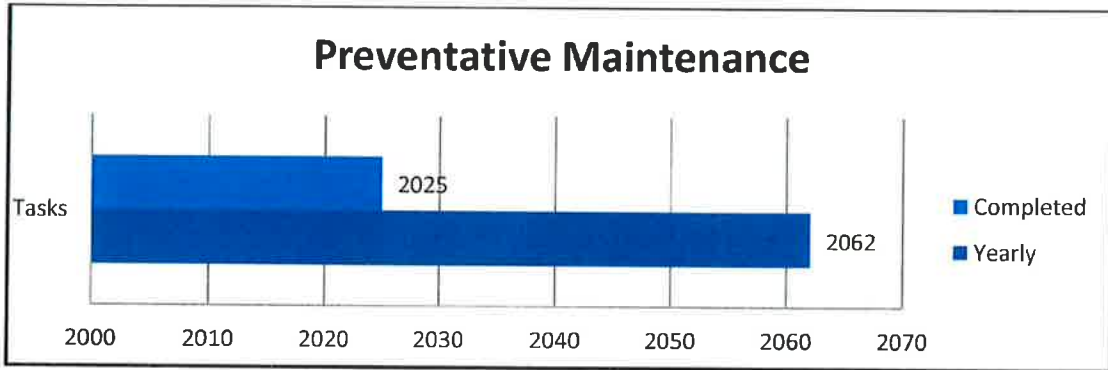
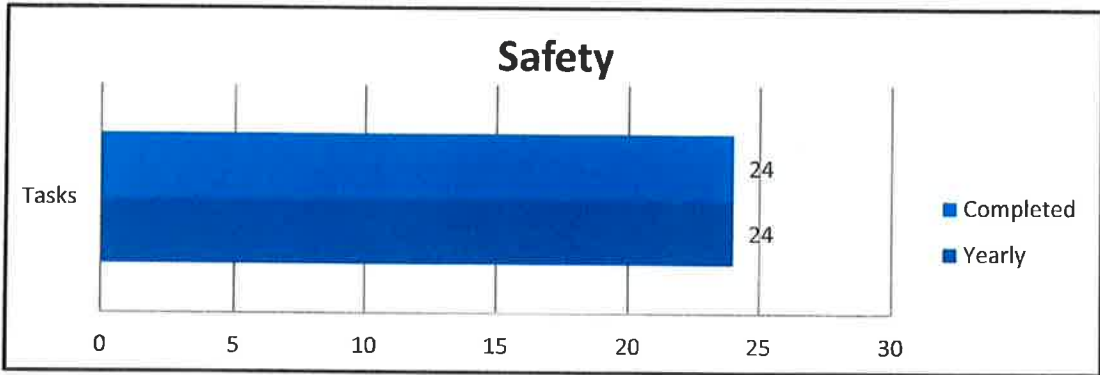
PUMPAGE REPORT	2021	2020	% Change	5 Year %
Monthly Pumpage	231,130,000	211,492,530	+9.3	+10.1
Monthly Average Day	7,455,806	6,822,337	+9.3	+10.4
Monthly Peak Day	(12/14) 9,630,000	(12/17) 8,650,000	+11.3	+6.4
Yearly Pumpage	2,956,590,504	2,797,245,812	+5.7	+6.7
Yearly Average Day	8,100,248	7,757,027	+4.4	+6.5
Yearly Peak Day	(8/16) 13,740,000	(08/22) 11,660,000	+17.8	+17.4
West Zone Pumpage	93,300,000	94,510,000	-1.3	-2.4
West Zone Yearly Total	1,320,892,000	1,292,420,000	+2.2	+5.1

WATER QUALITY REPORT	Raw Water	Finished Water
Average Free Chlorine		1.59 mg/l
Total Chlorine		1.79 mg/l
Average Alkalinity	107.2 mg/l	110.3 mg/l
Average pH	8.29	8.15
Average Fluoride	0.14 mg/l	0.68 mg/l
Average Turbidity	2.16 NTU	0.046 NTU
High Temperature	High 51.4 F Low 41.7 F	
Hardness	137 mg/l	154 mg/l

Preventative Maintenance Tasks: Staff completed 153 preventative maintenance tasks and 2 safety sessions during the month.

Work Orders: Staff completed 5 work orders. Some of the tasks include furnace repairs, temporary mounting of all particle counters, preparing plant equipment for winter.

Plant: The backwash tower has been taken out of service for the winter. The clearwell sluiceway project is complete and operational. This allows us to remain online while inspecting each half of the basin. A new flow meter was installed at Janat Drive booster station and will be operational when a new transmitter is delivered.



JANUARY 2022

Engineering/Inspection -Mike Simmons

- Recruitment for the open Design Engineer position is not going well. The advertisement has been viewed over 600 times on NeoGOV. However, we have had just one applicant and that one had to be rejected because it did not come close to satisfying the requirements. We are revising the advertisement in an attempt to generate more interest;
- The Lakeshore Commons project should start up again after the first of the year with the installation of sanitary sewer. The sewer plans are still in for review by DNR and pipe and manhole materials have been ordered. In addition, the Developer has recently committed more focus on moving the design and environmental approvals along for the two large multifamily buildings near the center of the site;
- Two notable projects recently gained their Occupancy Permits, the clubhouse for HUB13 and the addition to Froedert Hospital;
- Milwaukee Yard is getting nearer to gaining Occupancy. They will have some issues as there is some fairly substantial work that still needs to be completed (items that are on back-order (sinks, etc.);
- The Frontline building at 9141 S. 13th Street is progressing steadily, and it is expected they will be looking for their Occupancy in a couple of months;

PUBLIC WORKS – Matt Trebatoski

- Crews will be out conducting tree removals and pruning throughout the winter season;
- We will be training our newer staff members on how to operate the heavy equipment over the next several months in preparation for spring;
- We were able to successfully offload some of the excess mulch that was accumulating in the back of the Recycling Center. This will save us from having to pay someone to dispose of it;
- We began working with Community Development to be more proactive and customer service oriented in addressing private tree branches and other foliage covering traffic signs and signals;
- Our electrician continues to repair and replace street light bases, poles and fixtures from various vehicle knockdowns, as well as converting fixtures from HPS to LED lighting and fixing faulty lights;
- In working with the Mayor, we will be assisting the School District with installation of sphere safety bollards in front of the playground at Carrollton Elementary;

- Between snow events we will be cleaning, repairing drywall and painting our rental pavilions, picking up litter in the parks, tree trimming and disassembling the old, wooden picnic tables;
- In the first few weeks of January, we will be removing all of the holiday decorations and reinstalling the city logo banners;
- We will be working with the Engineering Department at the Peter Cooper property to cap off open manholes with concrete formed caps and cast manhole covers. We will be forming and pouring the concrete caps at the Municipal Services Building and transporting them to the site for installation;
- We will be fabricating new steel bases for the Emerald Preserve aluminum information plaques that were vandalized earlier this year;
- The sign shop crew will continue working on the replacement of old City logo street name signs with the current City logo.