**City of Escanaba Water Treatment Plant Generator 2023**

**TO BIDDERS: 5/17/2023**

**RFP OPENING: 6/6/2023 @ 2:00 p.m. EST**

**ADVERTISED: WEEK OF 5/15/2023**

**INVITATIONS TO**

**BID SENT TO:**

Wolverine Power Systems

308 N. State Hwy. M553

Marquette, MI 49855

Total Energy Systems

2211 American Blvd.

De Pere, WI 54115

Cummins NPower, LLC

875 Lawrence Dr.

De Pere, WI 54115

Xylem

Attn: Bob Williams

11850 Sears St.

Livonia, MI 48150

Wolter Power Systems

3125 Intertech Drive

Brookfield, WI 53045

Master Electric

2205 N. 19th Street

Escanaba, MI 49829

Superior Electric Co.

1740 Presque Isle Avenue

. Marquette, MI 49829

U.P. Energy Systems, LLC

330 West Wright Place

Marquette, MI 49829

Fabick CAT

Attn: Drew Gaffney

US Hwy 41 and Brebner Road East

Negaunee, MI 49866

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Notice to Bidders

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Bidders Proposal

Bid Bond

# **NOTICE TO BIDDERS**

Sealed bids will be received by the City of Escanaba at the office of the City Clerk, on or before 2:00 p.m. EST, on: **Tuesday, 6/6/2023.**

The bids will be publicly opened and read in Room 101 in the City Hall located at 410 Ludington Street, Escanaba, Michigan at said date and time.

Bidder’s proposals, and/or specifications may be obtained from the office of the City Clerk, located at 410 Ludington Street, Escanaba, Michigan, 49829. No bids will be considered unless the proposal form and /or specifications (furnished by the City of Escanaba, Michigan), are properly completed and enclosed in a sealed envelope, marked:

**City of Escanaba Water Treatment Plant Generator- 2023**

In addition, the City of Escanaba, Michigan will not consider any proposal which has not been received prior to the published time, date, and year of bid opening. (FAX transmittals will not be accepted.)

***A Certified Check, Cashier’s Check, or Bidder’s Bond, drawn payable, without condition, to the City of Escanaba, Michigan, in an amount not less than 10% of the bid, will be submitted with each proposal as a guarantee that if the bid is accepted, the bidder will furnish materials or services as stated in his or her proposal. On failure of the successful bidder to fulfill the conditions of his or her proposal, he or she shall forfeit said deposit to the City of Escanaba, Michigan as liquidated damages. The acceptance of the proposal will be contingent upon the bidder’s acceptance of this provision.***

The City of Escanaba, Michigan reserves the right to reject any or all bids, or any part thereof at its discretion, and to waive any irregularities in the bidding. The City of Escanaba, Michigan may also split bids at its discretion. The City further reserves the right to negotiate directly with any and all bidders concerning any matter related to any bid.

All City of Escanaba, Michigan bids are prepared to afford all vendors the equal opportunity for fair and equitable competition. The City of Escanaba, Michigan assumes no liability or responsibility for any errors or oversights in the preparation and/or publication of bids.

Jeff Lampi

W-WW Supt

City of Escanaba

**City of Escanaba Water Treatment Plant -2023**

## Specifications:

See check list in minimal requirements for specifications.

**1.1 GENERAL**

**1.1.1 References and Standards**

The generator set covered by these specifications shall be designed, tested, rated, assembled, and installed in strict accordance with all applicable standards below:

**•** EN61000-6

**•** EN55011

**•** FCC Part 15 Subpart B

**•** ISO8528

• IEC61000

• UL508

**•** UL2200

• UL142

**•** Designed to allow for installed compliance to NFPA 37, NFPA 70, NFPA 99 and NFPA 110

**1.3 WORK INCLUDED**

**1.3.1 Installation**

The work includes supplying a complete integrated generator system. The system consists of a diesel fired generator set with related component accessories and automatic transfer switches specified under a separate section.

**1.3.3 System Test**

A complete system load test shall be performed after all equipment is installed. Guidelines in the Start-up Section.

**1.3.4 Requirements, Codes and Regulations**

The equipment supplied and installed shall meet the requirements of the NEC and all applicable local codes and regulations. All equipment shall be of new and current production by a MANUFACTURER who has 25 years of experience building this type of equipment. Manufacturer shall be ISO9001 certified.

**1.4 ACCEPTABLE MANUFACTURES**

A. Caterpillar

B. Cummins

C. Kohler

D. Generac

**1.5 SUBMITTALS**

Engine-generator submittals shall include the following information:

A. Factory published specification sheet.

B. Manufacturer's catalog cut sheets of all auxiliary components such as battery charger, control panel, enclosure, etc.

C. Dimensional elevation and layout drawings of the generator set, enclosure and transfer switchgear and related accessories.

D. Weights of all equipment.

E. Concrete pad recommendation, layout, and stub-up locations of electrical and fuel systems.

G. Engine mechanical data, including heat rejection, exhaust gas flows, combustion air and ventilation air flows, fuel consumption, etc.

H. Generator electrical data including temperature and insulation data, cooling requirements, excitation ratings, voltage regulation, voltage regulator, efficiencies, waveform distortion and telephone influence factor.

I. Generator resistances, reactances and time constants.

J. Generator locked rotor motor starting curves.

K. Manufacturer's documentation showing maximum expected transient voltage and frequency dips, and recovery time during operation of the generator set at the specified site conditions with the specified loads.

L. Manufacturer's and dealer's written warranty.

**1.7 SYSTEM RESPONSIBILITY**

**1.7.1 Generator Set Distributor**

The completed engine generator set shall be supplied by the Manufacturer's authorized distributor only.

**1.7.2 Requirements, Codes and Regulations**

The equipment supplied and installed shall meet the requirements of NEC and all-applicable local codes and regulations. All equipment shall be new, of current production. There shall be one source responsibility for warranty; parts and service through a local representative with factory trained service personnel.

**1.8 WARRANTY**

**1.8.1** **Five Year Standby** **Generator Set Warranty**

A. The manufacturer's standard warranty shall in no event be for a period of less than five (5) years from date of initial start-up of the system and shall include repair parts, labor, reasonable travel expense necessary for repairs at the job site, and expendables (lubricating oil, filters, antifreeze, and other service items made unusable by the defect) used during the course of repair. Running hours shall be limited to 500 hours annually for the system warranty by both the manufacturer and servicing distributor. Submittals received without written warranties as specified will be rejected in their entirety.

1. Warranty level shall include everything shipped from the factory excluding filters, fluids, vee belts, hoses, paint, and batteries. Additional coverage is allowed if repairs cannot be completed within 96 hours of the “authorized dealer” technician’s initial visit for a covered “mechanical breakdown” due solely to the nature of the “mechanical breakdown” or inability to supply the required repair components. Up to $5,000 (US$) is allowed for rental generator set expenses that are hereby defined as the reasonable and customary rental charge, mileage per guidelines given in the “repairer” travel & mileage limitations section of this contract and the necessary labor for connection & disconnection to your facility of the Rental Generator Set from an “authorized dealer”.

**1.9 PARTS AND SERVICE QUALIFICATIONS**

**1.9.1 Service Facility**

The engine-generator supplier shall maintain 24-hour parts and service capability within 100 miles of the project site. The distributor shall stock parts as needed to support the generator set package for this specific project. The supplier must carry sufficient inventory to cover no less than 80% parts service within 24hrs and 95% within 48 hours.

**1.9.2 Service Personnel**

The dealer shall maintain qualified factory trained service personnel.

**2 PRODUCT SPECIFICATIONS**

**2.1 GENERAL REQUIREMENTS**

**2.1.1 Generator set Requirements**

The generator set shall be Standby Duty rated at 350 ekW, 437.5 kVA, 1800 RPM, 0.8 power factor, 480 V, 3-Phase, 60 hertz, including radiator fan and all parasitic loads. Generator set shall be sized to operate at the specified load at a maximum ambient of 105F (40.6C) and altitude of 1,000.0 feet (304.8 m).

**2.1.2 Material and Parts**

All materials and parts comprising the unit shall be new and unused.

**2.1.3 Engine**

The engine shall be US manufactured, diesel fired, 7 liters minimum, four (4) cycle, water-cooled, while operating with nominal speed not exceeding 1800 RPM.

**2.1.3.1 Engine Governing**

The engine will be equipped with an isochronous electronic governor to maintain +/-0.5% steady state frequency variation from steady state no load to steady state full load.

**2.2 GENERATOR**

**2.2.1 Generator Specifications**

The synchronous generator shall be a single bearing, self-ventilated, drip-proof design in accordance with NEMA MG 1 and directly connected to the engine flywheel housing with a flex coupling. The generator shall meet performance class G2 of ISO 8528. The excitation system shall be of brushless construction. Generator shall be rated no less than 464 kVA with a temperature rise no more than 105 deg C over 40C ambient.

**2.2.2 Voltage Regulator**

**2.2.2.1 Integrated Voltage Regulator (IVR)**

The IVR shall maintain generator output voltage within +/- 0.25% for any constant load between no load and full load. The regulator shall be capable of sensing true RMS in three phases of alternator output voltage or operating in single phase sensing mode. The IVR shall be capable of configuring knee frequency and voltage regulation configurable up to +/-30%. The voltage regulator shall include a VAR/Pf control feature as standard. The regulator shall provide an adjustable dual slope regulation characteristic in order to optimize voltage and frequency response for site conditions. The IVR shall be capable of setpoint adjustment.

**2.2.3 Motor Starting**

Provide locked rotor motor starting capability of 1069 skVA at 30% instantaneous voltage dip as defined per NEMA MG 1. Sustained voltage dip data is not acceptable.

**2.3 CIRCUIT BREAKER**

Provide a generator mounted 100% rated circuit breaker, molded case, Qty. (1) 600-amp trip, 3 pole, NEMA 1/IP22. Breaker shall utilize a solid-state trip unit, LSI. The breaker shall include a shunt trip and be connected to engine/generator safety shutdowns. Breaker shall be housed in an extension terminal box which is isolated from vibrations induced by the generator set. Mechanical type lugs, sized for the circuit breaker feeders shown in the drawing, shall be supplied on the load side of breaker.

**2.4 CONTROLS – Generator Set Mounted**

Provide a fully solid-state, microprocessor based, generator set control. The control panel shall be designed and built by the engine manufacturer. The control shall provide all operating, monitoring, and control functions for the generator set. The control panel shall provide real-time digital communications to all engine and regulator controls via SAE J1939.

**2.4.1 Environmental**

The generator set control shall be tested and certified to the following environmental conditions:

A. –30°C to +70°C Operating Range

B. 20°C to +55°C @ 95%relative humidity for 48 hours

C. IP22 protection for rear of controller; IP42 when installed in control panel

D. Sinusoidal vibration 10 sweeps in 3 major axis:5 to 8Hz @ +/-7.5mm, 5 to 500Hz @ 2G

F. Electromagnetic Capability (89/336/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, BS EN 50081-2, 50082-2, BS EN 61000-6-2, BS EN 61000-6-4)

G. Shock: withstand 15G for 11ms

**2.4.2 Functional Requirements**

The following functionality shall be integral to the control panel.

A. The control shall include a minimum LCD display

B. The control shall include a minimum of 3-line data display

C. Audible horn for alarm and shutdown with horn silence switch

D. Standard ISO labeling

E. Multiple language capability

F. Remote start/stop control

G. Local run/off/auto control integral to system microprocessor

H. Cooldown timer

I. Speed adjust

J. Lamp test

K. Emergency stop push button

L. Password protected system programming

**2.4.3 Digital Monitoring Capability**

The controls shall provide the following digital readouts for the engine and generator. All readings shall be indicated in either metric or English units.

**Engine**

A. Engine oil pressure

B. Engine oil temperature

C. Engine coolant temperature

D. Engine RPM

E. Battery volts

F. Engine hours

G. Engine crank attempt counter

H. Engine successful start counter

I. Service maintenance interval

J. Real time clock

K. Engine exhaust stack temperature

L. Engine main bearing temperature

**Generator**

A. Generator AC volts (Line to Line, Line to Neutral and Average)

B. Generator AC current (Avg and Per Phase)

C. Generator AC Frequency

D. Generator kW (Total and Per Phase)

E. Generator kVA (Total and Per Phase)

F. Generator kVAR (Total and Per Phase)

G. Power Factor (Avg and Per Phase)

H. Total kW-hr

I. Total kVAR-hr

J. % kW

K. % kVA

L. % kVAR

**2.4.4 Alarms and Shutdowns**

The control shall monitor and provide alarm indication and subsequent shutdown for the following conditions. All alarms and shutdowns are accompanied by a time, date, and engine hour stamp that are stored by the control panel for first and last occurrence:

**Engine Alarm/Shutdown**

A. Low oil pressure alarm/shutdown

B. High coolant temperature alarm/shutdown

C. Loss of coolant shutdown

D. Overspeed shutdown

E. Overcrank shutdown

F. Emergency stop shutdown

G. Low coolant temperature alarm

H. Low battery voltage alarm

I. High battery voltage alarm

J. Control switch not in auto position alarm

K. Battery charger failure alarm

**Generator Alarm/Shutdown**

A. Generator phase sequence

B. Generator over voltage

C. Generator under voltage

D. Generator over frequency

E. Generator under frequency

F. Generator reverse power (real and reactive)

G. Generator overcurrent

**2.4.5 Inputs and Outputs**

**Programmable Digital Inputs**

The Controller shall include the ability to accept programmable digital input signals. The signals may be programmed for either high or low activation using programmable Normally Open or Normally Closed contacts.

**Programmable Discrete Outputs**

The control shall include the ability to operate eight (8) discrete outputs, integral to the controller, two (2) which are rated at 5A continuous, six (6) rated 2A continuous.

**2.4.6 Remote Communications**

The control shall include Modbus RTU communications as standard via RS-485 half duplex with configurable baud rates from 2.4k to 57.6k.

**2.4.6 Remote Annunciator**

Provide one (1) remote annunciator NFPA 110 compliant.

**2.4.6 Remote Estop Switch**

Provide one (1) remote emergency stop switch

**2.5 COOLING SYSTEM**

The generator set shall be equipped with a radiator, engine-driven with blower fan and all accessories. The cooling system shall be sized to operate at full load conditions and 110°F ambient air entering the room or enclosure (If an enclosure is specified). The generator set supplier is responsible for providing a properly sized cooling system based on the enclosure static pressure restriction.

**2.6 FUEL SYSTEM**

**2.6.1 Fuel System (Diesel)**

The fuel system shall be integral with the engine. In addition to the standard fuel filters provided by the engine manufacturer, there shall also be installed a primary fuel filter/water separator in the fuel inlet line to the engine. All fuel piping shall be black iron or flexible fuel hose rated for this service. No galvanized piping will be permitted. Flexible fuel lines shall be minimally rated for 300oF and 100 psi.

1. Provide UL 142 sub-base double wall fuel tank sized for a minimum of 24 hours of full load generator operation, State of Michigan approved; fill and vent package; fuel gauge; low fuel and high fuel float switches; overflow alarm. The fuel tank shall be pressure tested for a minimum of 2 hours to ensure its integrity.
2. Provide flexible supply and return line fittings and all connections for connecting fuel system to the engine in compliance with applicable codes and regulations. All fuel piping shall be pressure tested for a minimum of 2 hours.
3. Provide a high-level alarm for fuel tank with spare contacts for remote indication.
4. Provide a low-level alarm for fuel tank with spare contacts for remote indication.
5. Provide a float switch in the rupture basin for remote indication of fuel tank leak.
6. Provide vent piping as required by fuel tank manufacturer, local and state codes.
7. Overflow protection valve with alarm panel.

**2.7 EXHAUST SYSTEM**

**2.7.1 Silencer**

A critical grade silencer, companion flanges, and flexible stainless steel exhaust fitting properly sized shall be furnished and installed according to the manufacturer's recommendation. The silencer shall be mounted within the enclosure.

**2.8 STARTING SYSTEM**

**2.8.1 Starting Motor**

A DC electric starting system with positive engagement shall be furnished. The motor voltage shall be as recommended by the engine manufacturer.

**2.8.2 Jacket Water Heater**

Pump style Jacket water heater shall be provided and shall be sized to ensure that genset will start within the specified time period and ambient conditions.

**2.8.3 Batteries**

Batteries - A lead-acid storage battery set of the heavy-duty starting type shall be provided. Battery voltage shall be compatible with the starting system.

**2.8.4 Battery Charger**

A 10-amp current limiting battery charger shall be furnished to automatically recharge batteries. The charger shall be dual charge rate with automatic switching to the boost rate when required. The battery charger shall be mounted on the genset package or inside the genset enclosure/room.

**2.9 ENCLOSURE**

**2.9.1 Level 2 Sound Attenuated Enclosure**

The complete engine generator set, including generator control panel, engine starting batteries and fuel oil tank, shall be enclosed in a factory assembled, sound attenuated enclosure mounted on the fuel tank base.

1. A weather resistant, sound attenuated enclosure of steel with electrostatically applied powder coated baked polyester paint. The enclosure shall be Level 2 sound attenuated with a sound level of 71 dBA at 23 feet maximum at 100% load. It shall consist of a roof, side walls, and end walls. Fasteners shall be either zinc plated or stainless steel.
2. Enclosure Sound Attenuation: Acoustical foam shall be provided between all supports and inside doors and sound baffles on air intake and air discharge.

**2.10 Docking Station**

**2.10.1 Provide an 800A dual purpose (load bank/rollup generator) docking station**

A. The docking station shall be pad mount NEMA 3R enclosed suitable for outdoor installation including color coded camlock connections, phase rotation meter, accessory outlets for battery charger and jacket water heater and Kirk Key interlock to prevent back feeding to permanent installed generator.

**3 EXECUTION**

**3.1 START-UP AND TESTING**

Coordinate all start-up and testing activities with the Owner. After installation is complete and normal power is available, the manufacturer's local dealer shall perform the following:

Perform a 2-hour load bank test at a 1.0 PF at full nameplate rating. Loadbank, cables and other equipment required for this test is to be supplied by the genset supplier.

**3.2 OPERATION AND MAINTENANCE MANUALS**

Provide one (1) operation and maintenance manual covering the generator, transfer switch, and auxiliary components. Include final as-built wiring interconnect diagrams and recommended preventative maintenance schedules.

**3.3 TRAINING**

**3.3.1 On-Site Training**

Provide on-site training to instruct the owner's personnel in the proper operation and maintenance of the equipment. Review operation and maintenance manuals, parts manuals, and emergency service procedures.

**General Information:**

The City of Escanaba Water Department is seeking proposals for the purchase of a new unused stationary generator capable of Continuous Stand-by Power and an additional manual transfer switch to allow a portable generator to tie in when needed. A diesel generator is being specified. The intended use of this generator will provide standby power for the water plant in case of power outage events and other emergencies. This unit will replace the current generator at our Water Treatment Facility. The manual throw switch will allow us to use an external source of power if needed. This generator will be provided within an attenuated sound enclosure.

The current generator is a Cummins 350 KW- 3 Phase

**ALL PROPOSALS WILL BE GIVEN CONSIDERATION BASED ON SEVERAL FACTORS, WHICH INCLUDE THE FOLLOWING POINTS OF INTEREST:**

* + Engine Type and Size
  + Pricing
  + Warranty
  + Continuous Stand-by Power Rating and Fuel Consumption

We expect this generator to function without supervision. The ability to recognize power failures and/or phase loss is a critical component. Starting up and shutting off automatically is also a key function to this project.

**This space was left blank intentional**

**City of Escanaba Water Treatment Plant Generator-2023**

**Minimal Proposal Requirements**

*Please check each item that is achievable in your proposal and provide written explanation if you are not able to fulfil any requirements*

**Please return this page with RFP**

**Generator set & Automatic Transfer Switch**

1. **Furnish one (1) Generator that meets or exceeds the current generator rating of at least three hundred fifty (350) K.W. (Replacing existing Cummings 350 Stationary Generator**
   * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**\_\_\_**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **Brand of Generator**
   * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**\_\_\_\_**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
3. **Generator Model Number**
   * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**\_\_\_\_\_**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
4. **Provide a K.W. rating for Generator.**
   * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**\_\_\_**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
5. **Does the Generator have a manufacturer sound attenuated enclosure?**
   * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**\_\_\_\_**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
   * **Please provide a decibel rating at the highest rpm\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_dB**
6. **Generator powered by Diesel Fuel**
   * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
7. **Storage capacity with an underside unit fuel tank/run time at max capacity.**
   * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
8. **Furnish Manual Transfer**
   * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
9. **Brand of Manual Transfer Switch**
   * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
10. **Manual Transfer Switch Model Number**
    * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
11. **Please provide pictures, specifications, overview, and any other pertinent information**
    * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
12. **Provide three (3) copies of the Operations and Maintenance Manuals for the generator, Automatic Transfer Switch, and other electrical components provided.**
    * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
13. **Provide onsite startup and commissioning of the new upgraded system.**
    * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
14. **Provide City Staff onsite training for the new upgraded system once it is installed**
    * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
15. **All equipment must be in accordance with all Federal, State, City, and Department rules, regulations, and policies.**
    * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
16. **Provide warranty on all equipment installed for a minimum of one year.**
    * **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PLEASE COMPLETE AND RETURN THE MINIMUM SPECIFICATIONS FORM SUPPLIED**

***Please Provide Any Additional Information Required***

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**INSPECTION**

The owner reserves the right to inspect the Contractor’s work at any phase of the operation. The contractor must provide any and all reports received from any inspections that may be completed as per the confines of this project. The owner reserves the right to require the Contractor to coordinate various phases so as to facilitate the inspection process. If the Owner determines that any of the Contractor’s work is unsatisfactory, the Contractor shall correct the work at his own expense.

**PAYMENT**

Shall be 80 percent upon delivery and 20 percent following startup with the owner’s acceptance.

**METHOD OF AWARD**

The City of Escanaba, Michigan, reserves the right to reject any or all bids, or any part thereof at its discretion, and to waive any irregularities in the bidding. The City of Escanaba, Michigan, may also split bids at its discretion. The City further reserves the right to negotiate directly with any and all bidders concerning any matter related to any bid.

**BASIS OF AWARD**

All proposals will be reviewed based on qualifications, price, completion time frame, previous experience, and the best interest of the City of Escanaba. The City of Escanaba reserves the right to accept or reject any proposals.

Sealed proposals will be received by the City of Escanaba at the office of the **City** **Clerk on or before 2:00 p.m. EST Tuesday, June 6, 2023.**

**WARRANTY**

The Contractor guarantees workmanship and materials for a minimum of one (1) year from the date of acceptance.

**OTHER REQUIREMENTS**

The successful bidder will be required to provide the following items within 20 days following City Council’s approval of the bid award.

Confirmation and certification that the Generator has been ordered, with the expected date of delivery.

**PROJECT COORDINATOR**

Jeff Lampi W-WW Supt

City of Escanaba Water Treatment Plant

P.O. Box 948

Escanaba, MI 49829

(906) 786-3291

**Email Questions and Comments to both Emails below:**

**Jeff Lampi ------------**[**Jlampi@escanaba.org**](mailto:Jlampi@escanaba.org)

**Tracey Lippens** **------w-wwsecretary@escanaba.org**

**BIDDER’S PROPOSAL**

**City of Escanaba Water Treatment Plant Generator - 2023**

**DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

City of Escanaba

Escanaba, Michigan 49829

We, the undersigned, agree to furnish the City of Escanaba, Michigan **ALL MATERIALS WITH REGARDS TO THE WATER TREATMENT PLANT GENERATOR** in accordance with the attached minimum specifications, which are part of this proposal, at the following price:

**BID**: Bid amount to furnish Generator

and all components specified: **$\_\_\_\_\_\_\_\_\_\_\_\_**\_\_\_\_\_\_\_\_\_**\_\_\_\_\_**

CERTIFIED CHECK, CASHIER’S CHECK OR

BIDDER’S BOND IS ENCLOSED IN THE

AMOUNT OF: (Not less the 10% of total)  **$\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (must be included to qualify)**

**Please include the following items with the bid:**

* **Completed -- Minimal Proposal Requirements Checklist**
* **Certified Check, Cashier’s Check or Bid Bond**
* **Factory Specification sheet of the proposed generator**

**SUBMITTED BY**:

FIRM: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ADDRESS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

BY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PRINTED: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

TITLE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PHONE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FAX: \_\_\_\_\_\_\_\_\_\_\_\_\_

**BID BOND**

**City of Escanaba Water Department Generator - 2023**

KNOWN TO ALL MEN BY THESE PRESENT, that we, the undersigned, as principal and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

as Surety, are hereby held and firmly bound unto the City of Escanaba, Delta County, Michigan, as Owner in the penal sum of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

Signed, this \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ day of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, 2023.

The condition of the above obligation is such that whereas the principal has submitted to the Owner a certain Bid, attached hereto and hereby made a part hereof to enter into a contract in writing, for

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

NOW, THEREFORE,

(a) If said Bid shall be rejected, or in the alternate.

(b) If said Bid shall be accepted and the Principal shall execute and deliver a contract in the form of Contract attached hereto (properly completed in accordance with said Bid) and shall furnish a bond for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith and shall in all other respects perform the agreements created by the acceptance of said Bid.

Then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates, and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Owner may accept such Bid; and Surety does hereby waive notice of any such extension.

IN WITNESS THEREOF, the Principal and Surety have hereunto set their hands and seals, and such of them are corporations who have caused their corporate seals to be hereto affixed and these present to be signed by their proper officers, the day and year first set forth above.

SEAL:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(L.S.)

Principal

Surety \_\_\_