City Hall ♦ 333 West Ellsworth Street ♦ Midland, Michigan 48640-5132 ♦ 989.837.3300 ♦ 989.835.2717 Fax

INVITATION TO BID
ITB NO. 4626
PERRINE PUMP STATION STANDBY GENERATOR

Sealed proposals will be accepted until **2:00 PM, Tuesday, February 24, 2026** to provide the City of Midland with pricing for a standby generator at the Perrine Pump Station per the attached specifications and standard instructions. Technical questions shall be directed to Ryan Putt, Utilities Project Manager at the Water Reclamation Facility, at rputt@midland-mi.org.

Proposals should be submitted in a sealed envelope clearly marked as **"ITB 4626 – PERRINE PUMP STATION STANDBY GENERATOR"**. Proposals can be delivered or mailed **ATTN: Purchasing** to **City of Midland, Office of the City Clerk, 333 W. Ellsworth Street, Midland, MI 48640**

Bid documents are available for download at Bidnet Direct by SOVRA/MITN Purchasing Group.
Registration is required to view and download bid package and specifications; follow link at https://www.bidnetdirect.com/mitn. Information can also be obtained directly from the Purchasing Department which is part of the Finance Department at City Hall, Midland, MI or by emailing purchasing@midland-mi.org.

Invitation to Bid and all its pages, documents and attachments, including those added subsequently by written notice, submitted and properly executed, shall constitute the contract between the City of Midland and the successful vendor when approved and accepted by the City.

The City reserves the right to accept or reject all or any parts of any and all bids, to waive irregularities and to award in the best interests of the City of Midland.

Christina Evans

Christina Evans
Accounting Manager
Midland, Michigan

CITY OF MIDLAND, MICHIGAN
STANDARD INSTRUCTIONS TO BIDDERS

1) **Receipt and Opening of Bids:** Sealed bids will be accepted and date/time stamped upon receipt in the office of the City Clerk, City Hall, 333 West Ellsworth, Midland, MI 48640-5132, until the time indicated on the attached Invitation to Bid for goods or services listed in the specifications and will be publicly opened and read aloud.
2) **Form of Bid:** Bids shall be submitted on the enclosed form with any exceptions, deviations or modifications to the published requirements clearly noted and explained.
3) **Submission of Bids:**
   A) Envelopes containing bids shall be sealed and clearly marked on the outside of the envelope with the name and address of the bidder, the title and bid number of the project, and the date and time of the scheduled bid opening.
   B) Any bid received after the scheduled opening time will not be accepted and will be returned unopened.
   C) Any bidder may withdraw their bid response by written request at any time prior to the scheduled bid opening.
   D) Telephonic or faxed bids will not be accepted and telephonic, telegraphic, or faxed amendments to bids or withdrawals will not be accepted under any circumstances.
   E) Unless otherwise specified, no bid may be withdrawn, changed, or modified in any way for a period of sixty (60) calendar days from the date of the bid opening.
   F) Negligence on the part of the bidder in preparing the bid confers no rights for the withdrawal of the bid after opening.
   G) Bids received prior to the time of bid opening will be securely kept unopened. No responsibility will attach to any officer or employee of the City for the premature opening of a bid not properly addressed or identified.
   H) In case of a discrepancy between unit prices and their extensions, the unit price bid shall govern.
4) **Brand Names:** Wherever in the specifications or proposal form brand names, trade names, manufacturer, or catalog numbers are called, it is for establishing a grade or quality level only and the phrase “or equal” is deemed to follow unless a prequalified list or the term “only”, “no exceptions”, or similar phrase is included.
5) **Taxes:** The City of Midland is exempt from State and Federal taxes. However, property purchased by a contractor to be used in the construction, alteration, repair, or improvement of property owned by the City is taxable to the contractor. Therefore, the price bid for contracts other than construction contracts must be exclusive of taxes and will be so construed. Construction contracts will be construed to include all applicable taxes unless the contract specifies otherwise.
6) **Acceptance of Bids:** The City will award to the lowest, responsive, responsible vendor that meets the functional requirements and needs expressed by the specifications. Tie bids will be awarded based on the most favorable terms for payment and/or delivery schedule or other costs associated with the award process. Receipt of a purchase order or properly executed contract covering the materials or services as described in the bid will indicate the award of bid and contract of purchase.
7) **City’s Rights:** The City reserves the right to accept or reject any or all bids, to waive irregularities or defects, to award on a split-order or lump-sum basis, and accept other than the low bid when deemed to be in the City’s best interests.
8) **Non Appropriations:** The City shall be bound, hereunder, only to the extent that funds shall have been appropriated and budgeted or are otherwise available for the purpose of this contract. In the event that no funds or insufficient funds are appropriated and budgeted, or are otherwise unavailable by any means whatsoever in any fiscal period of payments due under this contract, then the City shall immediately notify the Contractor of such occurrence and this contract shall terminate the last day of the fiscal period for which appropriations were received without penalty or expense to the City of any kind, whatsoever.
9) **Delivery:** Bids shall include all delivery charges with terms of Freight Prepay - FOB Midland, MI.
10) **Laws:** The laws of the State of Michigan shall govern the rights, obligations, and remedies of the Parties under this bid and any agreement reached through this process. The City of Midland is a Michigan municipal corporation.
11) **Disclosure:** All of the information included in your bid response is subject to the “Freedom of Information Act” and may be disclosed in its entirety after the formal, public bid opening has been completed. Bid tabulations will be available on the MITN website, https://www.bidnetdirect.com/mitn subsequent to bid opening date.
12) **Independent Price Determination:** By submission of this proposal, the bidder certifies that the pricing structure offered has been arrived at independently without consultation, communication, or agreement of such prices for the purpose of restricting competition with any other bidder or competitor.
13) **Acceptance of Materials:** All components used in the manufacture or construction of materials, supplies, and equipment, and all finished goods, shall be new, the latest make/model, of the best quality, and highest grade workmanship. In the event the delivered material is found to be defective or does not conform to specifications, the City reserves the right to cancel the order upon written notice to the bidder and return the materials to the bidder at the bidder’s expense.
14) **Non-Iran Linked Business:** By signing bid/quote response form, I certify and agree on behalf of myself and the company submitting this proposal the following: (1) that I am duly authorized to legally bind the company submitting this proposal; and (2) that the company submitting this proposal is not an “Iran linked business,” as that term is defined in Section 2(e) of the Iran Economic Sanctions Act, being Michigan Public Act No. 517 of 2012; and (3) That I and the company submitting this proposal will immediately comply with any further certifications or information submissions requested by the City in this regard.”

ITB 4626
PERRINE PUMP STATION STANDBY GENERATOR
SPECIFICATIONS

1.00 GENERAL

1.01 DESCRIPTION

Under this Section, the Equipment distributor shall quote a complete equipment package to the following specifications directly to the City of Midland. This generator shall be capable of operating the following loads at no more than 65% overall package loading, voltage dip < 25%, Frequency dip not over 15%, based on Loads and load steps are as follows:
Step One: Full 10kVA Single Phase Load, 480VAC, plus (2) 12hp, 7.5kW, three phase, 480 volt submersible pumps.

2.00 PRODUCTS

2.01 ELECTRICAL CHARACTERISTICS

The generator set shall consist of an engine directly coupled to an electric generator, together with the necessary controls and accessories for automatic start/stop control and automatic transfer switch. The generator shall have the following electrical characteristics, rated a minimum of 50kW providing it meets all specified performance requirements as detailed in the equipment specifications:

- kw continuous standby rating (See Table Below)
- kva continuous standby rating (See Table Below)
- Fuel: (See Table Below)
- 480 volts
- 60 cycles
- 3-phase
- 4-wire
- 0.8 power factor

Pump Station	Generator Size		Fuel Type
	KW	KVA	
Perrine Pump Station	50	62.5	Natural Gas

2.02 REQUIREMENTS

A. All materials and parts of the generator set shall be new. Each component shall be ofcurrent manufacture from a firm regularly engaged in the production of such equipment. The complete unit shall be supplied by a single manufacturer. The unit shall be a standard series of the manufacturer and not a one-of-a-kind fabrication.

B. The Equipment distributor shall specify the nearest location of permanent parts outlets from which parts may be obtained for the engine, gen set package and ATS.

C. The Equipment Distributor shall furnish three (3) sets of operation, maintenance and parts manuals covering all components of the generator set and equipment. The distributor shall also instruct the OWNER in the operation and maintenance of the unit.

D. Complete operating instructions shall be installed in a suitable form and mounted on the unit.

E. Bid shall include delivery to 7421 Perrine, Midland, MI 48640. If delivered in an enclosed trailer, bidder shall supply means of offloading. If it is in an open trailer, the City will provide offloading services.

F. The performance tests of the generating set series shall be in accordance with procedures certified by an independent testing laboratory. The manufacturer shall have successfully tested a prototype of the generating set series offered which shall include:

1. Maximum power level.

2. Maximum motor starting capacity @ 30% Maximum instantaneous voltage dip.

3. Transient response and steady state governing.

4. Generator temperature rise per NEMA MG122.40.

5. Single step load pickup per NFPA 76A-822.

6. Harmonic analysis and voltage waveform deviation per MIL-STD-7O5B.

7. Three phase short circuit test for mechanical and electrical strength.

8. Fuel consumption.

9. Structural soundness.

10. Engine-generator cooling air flow.

G. The complete standby electric power system shall have a factory warranty for a period offive (5) years from the date of initial start-up. The warranty must be provided by the system manufacturer. Warranty shall include labor, drive time, and parts for the first two years, then parts for years 3 - 5. Multiple warranties for individual components will not be acceptable. Satisfactory warranty documents must be provided.

2.03 MANUFACTURER

The standby generator shall be as manufactured by Cummins or equivalent.
If quoting an equivalent, include specification sheets with bid submission.

2.04 ENGINE

A. The engine shall be natural gas fueled, 4-cycle, water-cooled type. The engine shall be equipped with oil filter and an air cleaner with replaceable elements, fuel Wye strainer filter, and engine mounted radiator, fan and coolant pump.

B. The engine isochronous governor shall maintain generator frequency within .5% from no load to full load generator output.

C. The rated net horsepower of the engine at the generator synchronous speed with all accessories attached shall not be less than 125BHP. The horsepower rating shall take into account generator efficiency losses. The engine shall be capable of producing this rated power and the generator set shall be capable of producing the specified kw for a continuous standby rating, with no deration at under 361‘ Altitude, or 70°F temperature.

D. The engine shall be liquid cooled with an engine-mounted radiator with fan and shall be sized to maintain full output at up to 104°F maximum ambient temperature while in enclosure.

E. The engine cooling system shall be filled with anti-freeze protection to -40°F.

The exhaust shall be sized by the factory, and completely internal to the generator set enclosure. A flexible connection shall be mounted between the engine exhaust manifold and the exhaust silencer. A rain shield collar and high quality cast rain cap shall be installed at the discharge end of the exhaust line.

F. The muffler shall be a critical-type silencer. Exhaust silencer shall provide a maximum DBA level of <71 at a distance of 23 feet @ 100% kW load when installed in sound reducing enclosure. Silencer shall be supplied by generator manufacturer, or approved equivalent.

G. A thermostatically controlled engine oil heater 120V AC shall be furnished.

H. An engine oil sump heater shall be provided.

2.05 GENERATOR

A. The generator shall be a synchronous type and be built to NEMA standards.

B. The frequency regulation shall be isochronous from no load to rated load, with random not to exceed 0.5 Hz. Voltage regulation shall be within +/- 1% of rated voltage from no load to full rated load. Provide a minimum of +5% voltage adjustment from rated value.

C. Oversized Alternator end, minimum rating @ 105 Rise of 55kW, Insulation shall be class H, with Temperature rise limited to class F rise, minimum motor starting kVA at 20% voltage dip shall be > 225sKVA. Provide PMG Exciter with 3 phase sensing and PWM output.

D. The generator shall be equipped with 120 volt electric strip heaters to help prevent condensation in the generator windings. The heaters shall be de-energized while the generator is running.

2.06 STARTING SYSTEM

A. A 12-volt DC electric starting system with positive engagement drive shall be furnished.

B. Fully automatic generator set with local start-stop controls in the generator control panel shall be provided. Controls shall provide shutdown for low oil pressure, high water temperature, over speed, over-crank, low water level and three auxiliary contacts for activating remote status/alarm. Controls shall include 30 second single-cranking cycle limit with lockout.

C. A 12-volt lead-acid storage battery set of the heavy-duty starting type shall be provided. The battery set shall be of sufficient capacity to permit starting of the generator engine a minimum of three (3) times without recharging. A battery rack and necessary cables and clamps shall be provided.

D. A current-limiting auto float/equalize type battery charger shall be furnished to automatically recharge batteries. Charge shall float at 2.17 volts per cell. It shall include over voltage protection, silicon diode full wave rectifiers, voltage surge suppressors, DC ammeter, and fused AC input. The AC input voltages shall be 120 VAC, single phase. Charger rating shall not be less than 10 amps. The charger shall be equipped with input and output alarms.

E. The unit shall be provided with an engine driven 12/24 volt DC alternator with voltage regulatory designed to keep the 12/24 volt batteries set properly charged.

2.07 GENERATOR CONTROL PANEL

A. A generator-mounted, programmable microprocessor based vibration isolated deadfront 14 gauge steel control panel, with inherent UL-Listed alternator protection. Top of the generator control panel shall not exceed six (6) feet above ground level.

B. The panel shall contain, but not be limited to the following equipment:

1. Meters, Electrical, Analog: Volts, Amps, Hertz and kVA.
2. Manual/Auto Starting Controls
3. Running Time Meter
4. Panel Illumination Lights and On/Off Switch
5. Voltage Level Adjustment
6. Engine Oil Pressure Gauge
7. Engine Water Temperature Gauge
8. Automatic engine shutdowns for the following conditions: Low Oil Pressure, High Water Temperature, Low Water Level, Overspeed, and Overcrank
9. Pre-Alarm senders for: Approaching Low Oil Pressure, High Water Temperature, Low Coolant Level, Low Fuel Supply, Overspeed, and Overcrank, High Battery Voltage and Low Battery Volts w/Individual Fault Lamps and Test and Reset Switches
10. Contacts for two (2) Remote Alarms for the following status points:
    a. Generator Common Fault
    b. Generator Running

2.08 MAIN LINE CIRCUIT BREAKER

A. A 100 Amp generator-mounted totally enclosed main line molded case circuit breaker shall be installed as a load circuit interrupting and protection device. It shall operate both manually for normal switching function and automatically during overload and short circuit conditions.

B. The trip unit for each pole shall have elements providing inverse time delay during overload conditions and instantaneous magnetic tripping for short circuit protection. The circuit breaker shall meet standards established by the Underwriters' Laboratories, National Electric Manufacturer's Association, and National Electrical Code.

C. Provide breaker aux contacts for “trip alarm”.

2.09 STATIONARY BASE AND ENCLOSURE

A. The unit shall be equipped with a structural steel sub-base. The base shall be a box-type frame construction consisting of a channel-iron perimeter and wide flange beam cross members for engine support. The base shall contain vibration isolators.

B. The unit at shall be equipped with a weather protective level II sound reducing housing for an outdoor application. The maximum sound level shall be less than 69 db average @ 23' under 100% Nameplate rated kW Load. The enclosure shall be factory installed heavy gauge pre-painted steel and attached to the generators stationary base. Access shall be provided to the engine, generator, and instrument panel with hinged, lockable/stainless steel latches for all access doors. Paint shall carry a warranty of not to fade or rust for a period of five (5) years.

2.10 AUTOMATIC TRANSFER SWITCH

A. The Equipment Distributor shall furnish a 200 Amp Rated, 600VAC contactor – based automatic transfer switch having ratings, accessories, etc., as indicated on the Plans or noted herein. The automatic transfer switch shall be fully rated, to protect all types of loads, inductive and resistive, from loss of continuity of power. The switch shall be rated as suitable for all classes of loads without derating, either open or closed. ATS shall have microprocessor controller. Minimum WCR shall be 65000A with breaker protection @ 480VAC.

B. The transfer switch shall automatically transfer its load circuit to an emergency power supply upon failure of its normal supply. Upon restoration of the normal supply, the transfer switch shall automatically retransfer its load circuits to the normal supply.

C. The transfer switch shall be interlocked so that it shall not be possible for load circuits to be connected to normal and emergency sources simultaneously.

D. Voltage sensing relays shall be provided to monitor each phase of the normal supply. A drop in voltage in any phase below the predetermined drop-out value of the relay shall initiate load transfer. The relay(s) shall initiate retransfer of the load to the normal supply as soon as the voltage is restored in all phases beyond the predetermined pickup value of the relay. Voltage sensing relays shall be of the completely solid state type and shall have field adjustable pickup from 90-95% and dropout from 70-90% of nominal line voltage. These values shall be set for 70% dropout and 90% pickup.

E. All accessories and equipment shall be front accessible for ease of maintenance or removal. The Equipment Distributor shall provide the following control accessories.

1. Adjustable time delay on engine starting;

2. Adjustable time delay normal to emergency;

3. Auxiliary contacts 1NO, 1NC for each position.

4. LED Pilots for normal source and emergency source lights as follows:

   Green - normal source
   Red - emergency source

5. Adjustable time delay "Program transition"

6. Adjustable time delays: Start, transfer, retransfer and engine cool-off.

7. Frequency/voltage relay for emergency source to prevent transfer from normal to emergency until the generator has reached operating voltage and frequency;

8. Solid ground bar and solid neutral bar;

9. Engine start auxiliary contact;

10. Test pushbutton to simulate a loss of normal power;

11. Adjustable time delay for switching in both directions, during which time the load is isolated from both power sources to allow residual voltage of motors to decay before completing the switching cycle.

12. Auxiliary contacts for normal and emergency source (one NO and one NC of each source);

13. NEMA 4 steel or higher enclosure for the lift station, painted to match the generator enclosure, provide a security cover for the control panel, lockable.

14. Pilot devices/relays shall be of the industrial type rated 10 amperes;

15. Transfer mechanism shall be energized only momentarily during transfer;

16. Underwriters Laboratory Certified;

17. Transfer switch shall have ratings equal or greater than shown on the Plans.

18. Fourteen day LOAD/NO-LOAD transfer exerciser with two-position selector switch and override feature.

19. The auto transfer switches shall be supplied a two wired start/run input contact.

20. The ATS shall have permanently attached manual operator handles.

F. Transfer switch and all pertaining accessories shall be supplied by the supplier of the engine generator set and shall be ASCO 300, Cummins OTEC, or approved equal. No “Light Commercial” ATS or “Brand Labeled ATS” allowed, All ATS’s shall be 600VAC industrial contactor based with program transition feature for large motor load transfer. Inphase or synch check do not meet this requirement.

G. ATS warranty shall be a comprehensive policy, minimum of five (5) Years. Warranty shall cover all labor, drive time, and parts.

H. One (1) 200 Amp, 3 Phase, 3 pole automatic transfer switch w/solid N bar shall be provided.

I. No Breaker or Breaker – component based ATS acceptable.

J. If Generator Manufacturer does not manufacture an ATS complying with specs they are instructed to bid with the ASCO 300 Series ATS or approved equal.

K. If Generator manufacturer’s distributor technicians are not fully authorized to perform any and all levels of service, programming and warranty repairs to the ATS they shall include start up by ASCO ASI Technician in their bid.

3.00 EXECUTION

3.01 INSTALLATION

The generator unit shall be installed by the City of Midland

3.02 PAINTING

The engine, generator set, and ATS shall be painted with factory standard paints; paint color of generator and ATS enclosures shall match.

3.03 FIELD ACCEPTANCE TEST

Following installation and initial adjustment of the standby generator, the unit will be tested as set forth below. All special equipment necessary for conducting the tests shall be provided by the generator manufacturer. The tests shall be performed by the generator manufacturer or representative in the presence of the City of Midland representative and the manufacturer's technical representative. Prior to beginning the tests the manufacturer's technical representative shall inspect the installation, make such initial adjustments as he deems necessary, and provide written certification that the installation meets the manufacturer's approval. A copy of the written certification shall be provided to the City of Midland representative for record purposes. The generator distributor will allow in his bid price the cost of the trip to the field site by the manufacturer's representative. The manufacturer's representative shall instruct the OWNER's personnel on the operation and maintenance of the unit.

3.04 TEST

A. The generator set and equipment shall be operated for a 2-hour Load Bank test and a one-hour site connected load test to show that it will pickup and carry load within voltage and frequency tolerances as specified under steady state, transient load, and motor starting operation.

B. If, during the tests, the generator fails to meet the specified performance requirements, the manufacturer's representative shall be permitted to readjust the unit, in which case the entire series of tests will be repeated to the satisfaction of the City of Midland representative. Failure of the generator to meet performance specification will be cause for rejection of the entire unit.

3.05 DISTRIBUTOR SUPPORT

Any equipment distributor bidding this project shall demonstrate that they have the following aftermarket parts, warranty and field service support for the quoted equipment. Distributor shall be fully authorized to perform any and all levels of equipment start up, adjustment, programming update and warranty repair for the engine, alternator, controls and the ATS. Distributor shall maintain common service parts in vehicles, at branch locations and at their warehouse as well as at the factory level. Distributor techs shall be equipped with plug in diagnostic testing and programming tool for engine, controls and ATS. Distributor shall have their own in-house rental generator fleet, with gen set equipment sized to support this project site readily available. No portion of distributor support requirements or start up and operator training is assignable to sales, dealers, or any other third party.

3.06 OWNERS RIGHTS

The City of Midland (Owner) reserves the following rights:

1. Owner expects all bids to meet the specified equipment performance, provide equal features and to be fully supported by the local distributor (see distributor support requirements).

2. No “Bid Qualifier Statements” shall be allowed, such as: “Standard equipment quoted to meet the intent of the specifications” any bid qualifier statements shall be cause for rejection.

All bidders shall prepare complete submittal data to be included with the sealed bid which shall be marked up to show equipment includes specified options and meets specified system performance requirements, as well as including a printed copy of the equipment sizing report.

BID FORM FOR BID NO. 4626
PERRINE PUMP STATION STANDBY GENERATOR
FEBRUARY 24, 2026: 2:00 PM

In compliance with the City of Midland's specifications and Standard Instructions to Bidders, the undersigned hereby proposes to supply for the price of:

Item #	Description
1	Standby generator for Perrine Pump Station, per specifications

TOTAL BID_____ **$**_____

Additional information: All bidders shall prepare complete submittal data to be included with the sealed bid which shall be marked up to show equipment includes specified options and meets specified system performance requirements, as well as including a printed copy of the equipment sizing report.

BID SECURITY REQUIRED:____YES __X__NO FIVE PERCENT (5%) AMOUNT

I hereby state that all of the information I have provided is true, accurate, and complete. I hereby state that I have the authority to submit this bid, which will become a binding contract if accepted by the City of Midland.

COMPANY NAME	BY (Signature)
STREET ADDRESS OR PO BOX	(Print Name & Title of Above)
CITY, STATE, ZIP CODE	DATE OF OFFER
TELEPHONE NUMBER	FAX NUMBER
TERMS OF PAYMENT	ESTIMATED DELIVERY ARO

Bids shall be returned to the Office of the City Clerk, City Hall, 333 West Ellsworth, Midland, MI 48640, no later than the time and date listed above. Sealed envelopes shall be marked with the bid number, title, and opening date.

Bids may be inspected at the bid opening or in the Procurement Office during normal business hours. Tabulations will be available at the MITN website subsequent to bid open date.

LATE BIDS WILL BE REJECTED.