



Patricia A. Peshka

Purchasing Agent

Joseph J. Solomon

Mayor

City of Warwick
Purchasing Division
3275 Post Road
Warwick, Rhode Island 02886
Tel (401) 738-2013
Fax (401) 737-2364

The following notice is to appear on the City of Warwick's website Thursday, January 2, 2020. The website address is <http://www.warwickri.gov/bids>.

**CITY OF WARWICK
BIDS REQUESTED FOR
Bid 2020-265 Replacement of Standby Generator at Creekwood Pump Station**

Specifications are available in the Purchasing Division, Warwick City Hall, Monday through Friday, 8:30 AM until 4:30 PM on or after Thursday, January 2, 2020. **Please note that our office will be closed Monday, January 20, 2020 and will reopen on Tuesday, January 21, 2020.**

A **mandatory** pre-bid conference will be held on Wednesday, January 15, 2020 11:00 AM at The Warwick Sewer Authority, 125 Arthur W. Devine Blvd. Warwick, Rhode Island 02886.

Sealed bids will be received by the Purchasing Division, Warwick City Hall, 3275 Post Road, Warwick, Rhode Island 02886 up until 11:00 AM, Tuesday, January 28, 2020. The bids will be opened publicly commencing at 11:00 AM on the same day in the Lower Level Conference Room, Warwick City Hall.

Awards will be made on the basis of the lowest evaluated or responsive bid price. Please note that no bids can be accepted via email or fax.

The City of Warwick, in addition to soliciting bids in response to this bid, may consult, consider, and make an award for any and all open bid offers for a comparable unit as sought herein at the following websites:

RI State MPA: <http://www.purchasing.ri.gov/MPA/MPASearch.aspx>

NASPO: <https://www.naspo.org/>

NJPA (National Joint Powers Alliance): <https://www.njpacoop.org/cooperative-purchasing>

MHEC (Massachusetts Higher Education Consortium): <https://www.mhec.net/>

Individuals requesting interpreter services for the hearing impaired must notify the Purchasing Division at 401-738-2013 at least 48 hours in advance of the bid opening date.

Patricia A. Peshka
Purchasing Agent

PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID

Acknowledgement of Addendum (if applicable)

Addendum Number	Signature of Bidder
_____	_____
_____	_____

COMPANY NAME: _____

COMPANY ADDRESS: _____

COMPANY ADDRESS: _____

BIDDER'S SIGNATURE: _____

BIDDER'S NAME (PRINT): _____

TITLE: _____ TEL. NO.: _____

EMAIL ADDRESS: _____*

*Please include your email address. Future bids will be emailed, unless otherwise noted.
=====

II. AWARD AND CONTRACT:

The CITY OF WARWICK, acting as duly authorized through its Purchasing Agent/Finance Director/Mayor, accepts the above bid and hereby enters into a contract with the above party to pay the bid price upon completion of the project or receipt of the goods unless another payment schedule is contained in the specifications. All terms of the specifications, both substantive and procedural, are made terms of this contract.

DATE: _____
Bid2020-265

Purchasing Agent

PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID

CERTIFICATION & WARRANT FORM*

**This form must be completed and submitted with sealed bid.
Failure to do so will result in automatic rejection.**

Any and all bids shall contain a certification and warrant that they comply with all relevant and pertinent statues, laws, ordinances and regulations, in particular, but not limited to Chapter 16- Conflicts of Interest, of the Code of Ordinances of the City of Warwick. Any proven violation of this warranty and representation by a bidder at the time of the bid or during the course of the contract, included, but not limited to negligent acts, either directly or indirectly through agents and/or sub-contractors, shall render the bidder's contract terminated and the bidder shall be required to reimburse the City for any and all costs incurred by the City, including reasonable attorney fees, to prosecute and/or enforce this provision.

Signature

Date

Company Name

Address

Address

***This form cannot be altered in any way**

**CITY OF WARWICK
NOTICE TO BIDDERS**

Bid 2020-265 Replacement of Standby Generator at Creekwood Pump Station

If you received this document from our homepage or from a source other than the City of Warwick Purchasing Division, please check with our office prior to submitting your bid to ensure that you have a complete package. The Purchasing Division cannot be responsible to provide addenda if we do not have you on record as a plan holder.

Bids received prior to the time of the opening will be securely kept, unopened. No responsibility will be attached to an officer or person for the premature opening of a bid not properly addressed and identified. No bids will be accepted via facsimile or email.

The opening of bids will be in the order established by the posted agenda and the agenda will continue uninterrupted until completion.

Once an item has been reached and any bids on that item has been opened, no other bids on that item will be accepted and any such bid will be deemed late.

The contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap for any position for which the employee or applicant is qualified and that in the event of non-compliance the City may declare the contractor in breach and take any necessary legal recourse including termination or cancellation of the contract.

A bidder filing a bid thereby certifies that no officer, agent, or employee of the City has a pecuniary interest in the bid or has participated in contract negotiations on the part of the City, that the bid is made in good faith without fraud, collusion, or connection of any kind with any other bidder for the same call for bids, and that the bidder is competing solely in his own behalf without connection with, or obligation to, any undisclosed person or firm.

All bids should be submitted with one (1) original and one (1) copy in a sealed envelope, which should read: *YOUR COMPANY NAME* plainly marked on the exterior of the envelope as well as "Bid2020-265 Replacement of Standby Generator at Creekwood Pump Station."

All proposals submitted become the property of the City and will not be returned. If the company intends to submit **confidential or proprietary information** as part of the proposal, **any limits on the use or distribution of that material should be clearly delineated in writing. This information should be submitted in a sealed envelope, clearly labeled confidential** and where it should be submitted in the response. Please be advised of the Freedom of Information Act as it may pertain to your submittal.

Should you have any questions, please contact Earl Bond, Warwick Sewer Authority, 125 Arthur W. Devine Blvd. Warwick, Rhode Island 02886 at 401-468-4721.

All bids should be written in ink or typed. If there is a correction with whiteout, the bidder must initial the change.

Negligence on the part of the bidder in preparing the bid confers no rights for the withdrawal of the bid after it is open.

Any deviation from the specifications must be noted in writing and attached as part of the bid proposal. The bidder must indicate the item or part with the deviation and indicate how the bid will deviate from specifications.

The IRS Form W-9 available on www.warwickri.gov should be completed and submitted with the bid if the bidder falls under IRS requirements to file this form.

The successful bidder must provide the City of Warwick with an original **Certificate of Insurance** for General and Automobile Liability in a minimum amount of \$1 million. The certificate of insurance for General Liability must name the *City of Warwick as the additional insured* and so stated on the certificate with the bid name and bid number. It is the vendor's responsibility to provide the City of Warwick with an updated certificate of insurance upon expiration of the original certificate.

For a bid to be awarded to a corporation, limited liability company or other legal entity, prior to commencing work under the awarded bid, that corporation, company or legal entity may be required to provide to the Purchasing Agent a Certificate of Good Standing dated no more than thirty (30) days prior to the date upon which the bid approval was made.

The successful bidder will provide said **Certificate of Insurance** and **Certificate of Good Standing** (if required) within ten (10) calendar days after notification or the City reserves the right to rescind said award.

Prices to be held firm (1) One year from date of award. Term contracts may be extended for one additional term upon mutual agreement unless otherwise stated.

The contractor must carry sufficient liability insurance and agree to indemnify the city against all claims of any nature, which might arise as a result of his operations or conduct of work.

The City is exempt from the payment of the Rhode Island Sales Tax under the 1956 General Laws of the State of Rhode Island, 44-18-30, Paragraph I, as amended.

The Purchasing Agent reserves the right to reject any and all bids, to waive any minor deviations or informalities in the bids received, and to accept the bid deemed most favorable to the interest of the City.

The successful bidder must comply with all Rhode Island Laws applicable the public works projects, including, but not limited to provisions of Chapter 13 of Title 37 of the

Rhode Island General Laws, pertaining to prevailing wage rates, and all other applicable local, state and federal laws.

The City reserves the right to terminate the contract or any part of the contract in the best interests of the City, upon 30-day notice to the contractor. The City will incur no liability for materials or services not yet ordered if it terminates in the best interests of the City. If the City terminates in the interests of the City after an order for materials or services have been placed, the contractor will be entitled to compensation upon submission of invoices and proper proof of claim, in that proportion which its services and products were satisfactorily rendered or provided, as well as expenses necessarily incurred in the performance of work up to time of termination.

No extra charges for delivery, handling or other services will be honored. All claims for damage in transit will be the responsibility of the successful bidder. Deliveries must be made during normal working hours unless otherwise agreed upon.

All costs directly or indirectly related to the preparation of a response to this solicitation, or any presentation or communication to supplement and/or clarify any response to this solicitation which may be required or requested by the City of Warwick will be the sole responsibility of and will be borne by the respondent.

If the respondent is awarded a contract in accordance with this solicitation and the respondents bid or response and if the respondent fails or refuses to satisfy fully all of the respondents obligations thereunder, the City of Warwick will be entitled to recover from the respondent any losses, damages or costs incurred by the City as a result of such failure or refusal.

The City reserves the right to award in part or full and to increase or decrease quantities in the best interest of the City.

Any quantity reference in the bid specifications are estimates only, and do not represent a commitment on the part of the City of Warwick to any level of billing activity. It is understood and agreed that the agreement will cover the actual quantities ordered during the contract period.

The City reserves the right to rescind award for non-compliance to bid specifications.

The successful bidder must adhere to all City, State and Federal Laws, where applicable.

Bid 2020-265 Replacement of Standby Generator at Creekwood Pump Station

PART 1 GENERAL

1.1. DESCRIPTION

1.1.1 Provide one 35 KW / 43.7KVA, standby power rated engine generator set, including: standby power, directly coupled shaft, engine generator set. The unit shall be configured to consist of a self-contained liquid cooled engine and a conventional alternator and an electronic governor. The unit shall be manufactured complete with system controls and all necessary accessories to make the generator set (genset) fully operational. All equipment shall be as specified but shall not be limited to the items specified herein.

1.1.2 Standby and overload ratings shall meet requirements herein.

1.1.3 Provide a three-position selector switch, as required in 2.3.2.

1.2. REQUIREMENTS

1.2.1 The electric generating system consists of a prime mover, generator, electronic governor, couplings, and all controls, tested as a complete unit.

1.2.2 Conform to NFPA 70 and applicable inspection authorities.

1.2.3 Site visit is recommended to determine that replacement equipment is compatible with existing equipment.

1.3 SUMMARY OF EQUIPMENT

1.3.1 Standby Power Rated Engine Generator, 43.7 kVA or larger.

1.3.2 Sound-attenuated, weatherproof enclosure.

Generator output power characteristics shall be 208, 60HZ, 3-phase and neutral, (4 Wire).

1.3.3 Output panel with 150A main breaker.

PART 2 ENGINE-GENERATOR SET

2.0 ENGINE

The prime mover shall be a liquid cooled, natural gas fueled, naturally aspirated engine of 4-cycle design, with four cylinders (minimum).

2.1.2 The engine shall be cooled with an integral, unit mounted radiator, fan, water pump, and closed coolant recovery system, which provides visual diagnostic means to determine if the system is operating with a normal engine coolant level. The radiator shall be designed for satisfactory operation in 100 Degrees + Fahrenheit ambient temperature.

2.1.3 The intake air filter (with replaceable element) shall be mounted on the unit. Full pressure lubrication shall be supplied by a positive displacement lube-oil pump. The engine shall have a replaceable oil filter with internal bypass and replaceable elements. Engine coolant and oil drain extension must be provided to outside the mounting base for cleaner and convenient engine servicing. A fan guard shall be installed for personnel safety.

2.1.4 The engine shall have a battery charging DC alternator with a transistorized voltage regulator. Remote 2-wire electric starting shall be accomplished by a solenoid shift electric starter.

2.1.5 Engine speed electronic governor shall have a frequency control, adjustable from zero to five percent droop, to maintain alternator frequency within five percent (across the range) from no load to full load. Steady state regulation shall be within plus or minus 0.33 percent.

2.1.6 The engine fuel system shall be designed for operation with natural gas. Vendor to be responsible to determine current available gas pressure at location.

2.1.7 Sensors shall be located on the engine for: low oil pressure shutdown, high coolant temperature shutdown, low coolant level shutdown, overspeed shutdown, and overcrank shutdown. These sensors shall be connected to the control panel using a wiring harness with the following features: wire number labeling on each end of the wire run for ease of identification, a molded rubber boot to cover the electrical connection on each sensor to prevent corrosion and all wiring to be run in flexible conduit for mechanical protection and environmental protection.

2.1.8 The electric jacket-coolant heater shall be thermostatically controlled to automatically maintain the coolant within plus or minus 3 degrees of the control temperature. The control temperature shall be the temperature recommended by the manufacturer to optimize the starting time.

2.1 ALTERNATOR

2.1.1 The alternator shall be a multi-pole revolving field type, wired for 208v, 3-phase, 60 HZ, 4 wire, with a brushless, static exciter. Generator shall be standby rated. The stator shall be directly connected to the engine flywheel to ensure permanent alignment. The generator shall meet temperature rise standards for class "F" varnish and conform to MIL-I-24092, Type "M" class 155. All leads shall be extended into the AC connected panel. The alternator shall be protected by internal thermal overload protection and an automatic reset field circuit breaker. One step load acceptance shall be 100% of nameplate kW rating and the generator shall return to normal operation within 15 seconds.

2.1.2 The engine-generator set shall be so designed that voltage dip upon application of nameplate full load shall not exceed 30% with recovery to stable operation within 15 seconds.

2.1.3 The solid state voltage regulator shall control output voltage by varying the exciter magnetic field to provide plus or minus 1% regulation during stable load conditions. The regulator shall have a voltage droop characteristic of 4 volts per cycle to maximize motor starting capability in the event an extremely heavy load drops the output frequency. The frequency at which this droop operation begins shall be adjustable allowing the generator set to be properly matched to the load characteristics ensuring optimum system performance.

2.1.4 The voltage regulator shall contain a limiting circuit to prevent output voltage surges in excess of 110% of rated voltage during generator set operation. On a loss of the sensing signal, the voltage regulator shall shutdown to prevent an overvoltage condition from occurring. A voltage regulator that can go into a full field condition is unacceptable. LED indication will be provided on the regulator to monitor the sensing (yellow), excitation (green), and output circuit (red). A rheostat shall provide a minimum of plus or minus 10% voltage adjustment from the rated value.

2.1.5 The engine generator set shall be mounted with vibration isolators on a welded steel base, which shall permit suitable mounting to any level surface.

2.2 GENERATOR CONTROLS

2.2.1 All engine, alternator controls and instrumentation shall be designed, built, wired, tested and shock mounted in a NEMA 3R enclosure to the engine-generator set by the manufacturer. It shall contain direct current (D.C.) panel lighting and a fused circuit to protect the controls.

2.2.2 The engine-generator set shall contain a complete engine start-stop control, which starts the engine on closing contacts and stops the engine on opening contacts. An automatic preheat circuit that can also be operated in a manual mode shall be provided. A cyclic cranking limiter shall be provided to open the starting circuit, after eight attempts, if the engine has not started. Engine control modules shall be solid state plug-in type for high reliability and easy service. The engine controls shall also include a 3-position selector switch with the following positions:

OFF/MANUAL/AUTO. A red annunciator lamp shall be energized when the switch is not in the automatic position.

2.2.3 Safety shutdown monitoring system shall include solid state engine monitor with individual lights and one common external alarm contact indicating the following conditions: Overcrank shutdown, Overspeed shutdown, High Coolant Temperature (Low Coolant Level shutdown), Low Oil Pressure shutdown. Monitoring system shall include lamp test switch for manual reset of tripped conditions. Engine RPM shall be monitored by an independent permanent magnetic sensor. The engine shall shutdown immediately and energize a LOSS-OF- RPM shutdown light in the event of a failure.

2.2.4 Engine instrumentation shall consist of an oil pressure gauge, coolant temperature gauge, D.C. ammeter and an engine run-hour-meter, located on the unit control panel. Alternator instrumentation shall include analog meters to indicate output voltage per phase; amperage per phase and generator output frequency.

2.2.5 A red light (labeled using silk screened black letters on the control panel), which becomes energized when a low fuel level is sensed in the base mounted tank.

2.2.6 A thermal-magnetic, UL listed, main-line, molded case circuit breaker shall be mounted in the generator terminal panel. Line side connections shall be made at the factory. A system utilizing a manual reset field circuit breaker and current transformers is unacceptable.

2.2.7 A red emergency stop pushbutton shall be provided on the exterior of the enclosure and shall be accessible without the use of a key and without having to open the enclosure.

2.3 MISCELLANEOUS EQUIPMENT

2.3.1 The following miscellaneous equipment shall be provided as a part of this procurement action:

2.3.1.1 A sound attenuating weatherproof enclosure: The engine-generator set shall be factory enclosed in a 12 gauge steel enclosure constructed with corner posts, coated with electrostatically applied zinc and finished with baked enamel paint. The installed equipment sound levels shall be no more than 95 db at 3 meters (maximum) when the unit is operated at full load, under rated ambient conditions. The enclosure shall have large, removable doors to allow complete access to the engine, alternator and control panel. Each door shall be fitted with stainless steel, lockable hardware with two sets of identical keys. The enclosure shall come equipped with a heater for the prevention of condensation within the enclosure. The enclosure shall meet local seismic requirements.

2.3.1.2 An automatic dual rate battery charger mounted inside the genset enclosure, in its own cabinet, shall be provided. The charger shall have 120 volt A/C, single phase input. The automatic equalizer system shall monitor and limit the charge current to 10 amps. The output voltage is to be determined by the charge current rate. The charger shall have a maximum open circuit voltage of 35 volts and be protected against a reverse polarity connection.

2.3.1.3 A heavy duty, lead acid battery set shall be provided by the generator set manufacturer of adequate voltage and amperage capacity to start and operate the engine. Provide all intercell and connecting battery cables as required for complete installation. The battery shall be shipped in place fully charged with electrolyte.

2.3.1.4 The genset, parts shall be warranted by the offeror in accordance with the terms of this contract.

PART 3 OWNERS MANUALS

3.0.1 Two (2) hard copy sets of owner's manuals specific to the genset and products supplied shall be located inside each unit and accompany the equipment. General operating instruction, preventive maintenance, wiring diagrams, schematics and parts exploded views specific to this model shall be included. A PDF version of the owner's manuals shall also be provided on a compact disc for shipped with each generator.

3.0.2 Two Service Manuals to be provided specific to the genset.

PART 4 SUBMITTALS

4.0.1 Provide two complete sets (for each rating of machine) of Engineering Submittal for approval, prior to production release, showing all components, in addition to the engine, generator and automatic transfer switch. Submittals shall include complete system interconnection wiring diagrams and manufacturer's warranty form indicating compliance with these specifications.

4.1 SPARES

General parts: Provide one set of maintenance (spare) parts for each genset ordered under this contract. An order of maintenance parts is defined as all items necessary to perform scheduled maintenance functions for 2000 operating hours plus replacement bulbs for indicators, replacement fuses for each fuse used on the genset and any other like items that the manufacturer deems desirable. Package these maintenance parts in polyethylene bag, and pack inside the genset for which they are intended. Should there be insufficient room inside genset, enclose parts bag in protective package and attach to shipping skid. This group of parts shall include a complete list of all vendors recommended spares, including, but not limited to, the items listed below:

1. Engine lubricating oil filters and filter gaskets, if separate from filter.
2. Engine intake air filters and filter gaskets, if separate from filter.
3. A minimum of five light bulbs of each size light bulb used in the genset.
4. A minimum of five electrical fuses of each size fuse used in the genset.
5. One engine lubrication oil system drain plug.

The offer shall include a complete list of all vendors recommended spares. The offer shall explicitly identify each Table I line item by packaged dimensions, weight and price.

4.2 WARRANTY

The offeror shall provide a one-year warranty on parts and labor, which starts from the date the equipment is commissioned on-site. This requirement shall not modify or change the standard contract warranty agreement.

PART 5 DELIVERY AND INSTALLATION

- 5.0 Delivery will be to the Warwick Sewer Authority, 125 Arthur W. Devine Blvd.,
Warwick RI 02886
- 5.1 Installation will be performed by others

PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID

(PRICING SHEET MAY NOT BE CONFIDENTIAL)

CITY OF WARWICK

BID AND CONTRACT FORM

**TITLE OF SPECIFICATION: Bid 2020-265 Replacement of Standby Generator at
Creekwood Pump Station**

I. BID:

WHEREAS, the CITY OF WARWICK has duly asked for bids for performance of services and/or supply of goods in accordance with the above-indicated specifications.

The person or entity does irrevocably offer to perform the services and/or furnish the goods in accordance with the specifications, which are hereby incorporated by reference in exchange for the bid price below;

This offer will remain open and irrevocable until the CITY OF WARWICK has accepted this bid or another bid on the specifications or abandoned the project.

The bidder agrees that acceptance by the CITY OF WARWICK will transform the bid into a contract. This bid and contract will be secured by Bonds, if required by the specifications.

Item	Description	Yes	No
1	Submittals included with bid		
2	TOTAL COST FOR DELIVERED GENERATOR	\$	