



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia Purchase Order

Order Date: 04-20-2023

CORRECT ORDER NUMBER MUST APPEAR
ON ALL PACKAGES, INVOICES, AND
SHIPPING PAPERS. QUESTIONS
CONCERNING THIS ORDER SHOULD BE
DIRECTED TO THE DEPARTMENT
CONTACT.

| | | | |
|-----------------------|---|--------------------------|---------|
| Order Number: | CPO 0603 0603 ADJ2300000025 1 | Procurement Folder: | 1187605 |
| Document Name: | Marshall County Readiness Center Generator & ATS Install | Reason for Modification: | |
| Document Description: | Construction Marshall County Readiness Center Generator, AT | | |
| Procurement Type: | Central Purchase Order | | |
| Buyer Name: | David H Pauline | | |
| Telephone: | 304-558-0067 | | |
| Email: | david.h.pauline@wv.gov | | |
| Shipping Method: | Best Way | Effective Start Date: | |
| Free on Board: | FOB Dest, Freight Prepaid | Effective End Date: | |

| VENDOR | DEPARTMENT CONTACT | | | | | | | | | | | | | | | | | | | | |
|--|--------------------|---------------------|---------------------|---------------|----|----|--------|---|----|-------------|--|--|----|-------------|--|--|----|-------------|--|--|---|
| Vendor Customer Code: VS0000012515 Universal Engineering & Contracting LLC 400 AIRPORT RD STE 6C ELKINS WV 26241 US Vendor Contact Phone: 304-678-9065 Extension: Discount Details: <table><thead><tr><th></th><th>Discount Allowed</th><th>Discount Percentage</th><th>Discount Days</th></tr></thead><tbody><tr><td>#1</td><td>No</td><td>0.0000</td><td>0</td></tr><tr><td>#2</td><td>Not Entered</td><td></td><td></td></tr><tr><td>#3</td><td>Not Entered</td><td></td><td></td></tr><tr><td>#4</td><td>Not Entered</td><td></td><td></td></tr></tbody></table> | | Discount Allowed | Discount Percentage | Discount Days | #1 | No | 0.0000 | 0 | #2 | Not Entered | | | #3 | Not Entered | | | #4 | Not Entered | | | Requestor Name: Timothy D Hersman Requestor Phone: 304-561-6337 Requestor Email: timothy.d.hersman.nfg@army.mil 23 FILE LOCATION |
| | Discount Allowed | Discount Percentage | Discount Days | | | | | | | | | | | | | | | | | | |
| #1 | No | 0.0000 | 0 | | | | | | | | | | | | | | | | | | |
| #2 | Not Entered | | | | | | | | | | | | | | | | | | | | |
| #3 | Not Entered | | | | | | | | | | | | | | | | | | | | |
| #4 | Not Entered | | | | | | | | | | | | | | | | | | | | |

| INVOICE TO | SHIP TO |
|--|---|
| DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR CHARLESTON WV 25311 US | MARSHALL COUNTY READINESS CENTER ADJUTANT GENERALS OFFICE 1600 SOUTH LAFAYETTE AVENUE MOUNDSVILLE WV 26041 US |

4-21-23
BAX

| | |
|---------------------|--------------|
| Total Order Amount: | \$487,900.00 |
|---------------------|--------------|

Purchasing Division's File Copy

ENTERED

| | | |
|---|--|---|
| PURCHASING DIVISION AUTHORIZATION DATE: 4/25/2023 ELECTRONIC SIGNATURE ON FILE | ATTORNEY GENERAL APPROVAL AS TO FORM DATE: 4/25/2023 ELECTRONIC SIGNATURE ON FILE | ENCUMBRANCE CERTIFICATION DATE: 4-25-23 ELECTRONIC SIGNATURE ON FILE |
|---|--|---|

Extended Description:

Construction Contract
(Marshall County Readiness Center Generator & ATS Install)

The Vendor, Universal Engineering & Contracting, LLC, agrees to enter into this one-time construction contract with the Agency, West Virginia Army National Guard, Construction and Facilities Management Office, to provide all labor, material, tools, equipment, supplies and supervision necessary to provide 1000Kw diesel generator and 1000AMP Automatic Transfer Switch and complete the installation of a 1000Kw new generator and 1000AMP automatic transfer switch for the Marshall County Readiness Center, per the bid requirements, terms, conditions, specifications, Addendum No. 1 issued 03/13/2023, Addendum No. 2 issued 03/20/2023, Addendum No. 3 issue 03/30/2023 and the vendor's bid dated 04/10/2023 all incorporated herein by reference and made apart of hereof. See attached documents.

| Line | Commodity Code | Quantity | Unit | Unit Price | Total Price |
|--------------|----------------|--------------|------|------------|-------------|
| 1 | 72000000 | 0.00000 | | 0.000000 | 487900.00 |
| Service From | Service To | Manufacturer | | Model No | |
| 2023-04-01 | 2023-10-31 | | | | |

Commodity Line Description: Marshall County Readiness Center Generator & ATS Install

Extended Description:

Contract Item #1- Lump Sum Price for purchase and installation of a new 1000Kw diesel generator and a 1000AMP automatic transfer switch for the Marshall County Readiness Center, per the attached documentation.

| | Document Phase | Document Description | Page 3 |
|---------------|----------------|--|-----------|
| ADJ2300000025 | Draft | Construction Marshall County Readiness Center Generator, AT | |

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

GENERAL TERMS AND CONDITIONS:

1. CONTRACTUAL AGREEMENT: Issuance of an Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance by the State of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid, or on the Contract if the Contract is not the result of a bid solicitation, signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. DEFINITIONS: As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

2.1. "Agency" or "Agencies" means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

2.2. "Bid" or "Proposal" means the vendors submitted response to this solicitation.

2.3. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

2.6. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

2.7. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

2.9. "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

☐ **Term Contract**

Initial Contract Term: The Initial Contract Term will be for a period of _____. The Initial Contract Term becomes effective on the effective start date listed on the first page of this Contract, identified as the State of West Virginia contract cover page containing the signatures of the Purchasing Division, Attorney General, and Encumbrance clerk (or another page identified as _____), and the Initial Contract Term ends on the effective end date also shown on the first page of this Contract.

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be delivered to the Agency and then submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to _____ successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

☐ **Alternate Renewal Term** – This contract may be renewed for _____ successive _____ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

☒ **Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within One hundred eighty (180) calendar days.

☐ **Fixed Period Contract with Renewals:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days. Upon completion of the work covered by the preceding sentence, the vendor agrees that:

☐ the contract will continue for _____ years;

☐ the contract may be renewed for _____ successive _____ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's Office (Attorney General approval is as to form only).

☐ **One-Time Purchase:** The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

☐ **Construction/Project Oversight:** This Contract becomes effective on the effective start date listed on the first page of this Contract, identified as the State of West Virginia contract cover page containing the signatures of the Purchasing Division, Attorney General, and Encumbrance clerk (or another page identified as _____), and continues until the project for which the vendor is providing oversight is complete.

☐ **Other:** Contract Term specified in _____

4. AUTHORITY TO PROCEED: Vendor is authorized to begin performance of this contract on the date of encumbrance listed on the front page of the Award Document unless either the box for "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked in Section 3 above. If either "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked, Vendor must not begin work until it receives a separate notice to proceed from the State. The notice to proceed will then be incorporated into the Contract via change order to memorialize the official date that work commenced.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

☐ **Open End Contract:** Quantities listed in this Solicitation/Award Document are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

☐ **Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.

☒ **Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

☐ **One-Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.

☒ **Construction:** This Contract is for construction activity more fully defined in the specifications.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One-Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked in this section must be provided to the Purchasing Division by the Vendor as specified:

☒ **LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after contract award at the State's sole discretion.

☒ West Virginia Contractor's License

☐

☐

☐

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed above.

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancelation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether that insurance requirement is listed in this section.

Vendor must maintain:

☒ **Commercial General Liability Insurance** in at least an amount of: \$1,000,000.00 per occurrence.

☒ **Automobile Liability Insurance** in at least an amount of: \$1,000,000.00 per occurrence.

☐ **Professional/Malpractice/Errors and Omission Insurance** in at least an amount of: _____ per occurrence. Notwithstanding the forgoing, Vendor's are not required to list the State as an additional insured for this type of policy.

☐ **Commercial Crime and Third Party Fidelity Insurance** in an amount of: _____ per occurrence.

☐ **Cyber Liability Insurance** in an amount of: _____ per occurrence.

☐ **Builders Risk Insurance** in an amount equal to 100% of the amount of the Contract.

☐ **Pollution Insurance** in an amount of: _____ per occurrence.

☐ **Aircraft Liability** in an amount of: _____ per occurrence.

☒ *****Please make Insurance Certificate Holder to Read*****
West Virginia Army National Guard
1707 Coonskin Drive, Charleston, WV 25311

☐

☐

☐

9. WORKERS' COMPENSATION INSURANCE: Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. VENUE: All legal actions for damages brought by Vendor against the State shall be brought in the West Virginia Claims Commission. Other causes of action must be brought in the West Virginia court authorized by statute to exercise jurisdiction over it.

11. LIQUIDATED DAMAGES: This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

☐ _____ for _____.

☒ Liquidated Damages Contained in the Specifications.

☐ Liquidated Damages Are Not Included in this Contract.

12. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

13. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.

14. PAYMENT IN ARREARS: Payments for goods/services will be made in arrears only upon receipt of a proper invoice, detailing the goods/services provided or receipt of the goods/services, whichever is later. Notwithstanding the foregoing, payments for software maintenance, licenses, or subscriptions may be paid annually in advance.

15. PAYMENT METHODS: Vendor must accept payment by electronic funds transfer and P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)

16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia, included in the Contract, or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

18. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available. If that occurs, the State may notify the Vendor that an alternative source of funding has been obtained and thereby avoid the automatic termination. Non-appropriation or non-funding shall not be considered an event of default.

19. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.

20. TIME: Time is of the essence regarding all matters of time and performance in this Contract.

21. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code, or West Virginia Code of State Rules is void and of no effect.

22. COMPLIANCE WITH LAWS: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

23. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

24. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

25. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

26. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

27. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments.

28. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

29. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

30. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.

31. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

32. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

33. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

34. VENDOR NON-CONFLICT: Neither Vendor nor its representatives are permitted to have any interest, nor shall they acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency.

Revised 11/1/2022

35. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

36. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

37. NO DEBT CERTIFICATION: In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State. By submitting a bid, or entering into a contract with the State, Vendor is affirming that (1) for construction contracts, the Vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, neither the Vendor nor any related party owe a debt as defined above, and neither the Vendor nor any related party are in employer default as defined in the statute cited above unless the debt or employer default is permitted under the statute.

38. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

39. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

☒ Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

☐ Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.division@wv.gov.

40. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check. Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

41. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open hearth, basic oxygen, electric furnace, Bessemer or other steel making process.
- c. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
 1. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
 2. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

42. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

43. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE: W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least \$1 million, the Vendor must submit to the Agency a disclosure of interested parties prior to beginning work under this Contract. Additionally, the Vendor must submit a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-work interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

44. PROHIBITION AGAINST USED OR REFURBISHED: Unless expressly permitted in the solicitation published by the State, Vendor must provide new, unused commodities, and is prohibited from supplying used or refurbished commodities, in fulfilling its responsibilities under this Contract.

45. VOID CONTRACT CLAUSES: This Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

46. ISRAEL BOYCOTT: Bidder understands and agrees that, pursuant to W. Va. Code § 5A-3-63, it is prohibited from engaging in a boycott of Israel during the term of this contract.

ADDITIONAL TERMS AND CONDITIONS (Construction Contracts Only)

1. CONTRACTOR'S LICENSE: Until June 15, 2021, West Virginia Code § 21-11-2, and after that date, § 30-42-2, requires that all persons desiring to perform contracting work in this state be licensed. The West Virginia Contractors Licensing Board is empowered to issue the contractor's license. Applications for a contractor's license may be made by contacting the West Virginia Contractor Licensing Board.

The apparent successful Vendor must furnish a copy of its contractor's license prior to the issuance of a contract award document.

2. BONDS: The following bonds must be submitted:

- a. BID BOND:** Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. **THE BID BOND MUST BE SUBMITTED WITH THE BID OR VENDOR'S BID WILL BE DISQUALIFIED.**
- b. PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of 100% of the contract. The performance bond must be received by the Purchasing Division prior to Contract award. (Attorney General requires use of the State approved bond forms found at: www.state.wv.us/admin/purchase/forms2.html)
- c. LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award. (Attorney General requires use of the State approved bond forms found at: www.state.wv.us/admin/purchase/forms2.html)
- d. MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system if the work impacts an existing roof. The amount of the bond must be equal to the price associated with the percentage of the project impacting the roof. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award. (Attorney General requires use of the State approved bond forms found at: www.state.wv.us/admin/purchase/forms2.html)

In lieu of the Bid Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of the bid bond must be of the same amount required of the Bid Bond and delivered with the bid.

3. DRUG-FREE WORKPLACE AFFIDAVIT: W. Va. Code § 21-1D-5 provides that any solicitation for a public improvement contract requires each Vendor that submits a bid for the work to submit an affidavit that the Vendor has a written plan for a drug-free workplace policy. If the affidavit is not submitted with the bid submission, the Purchasing Division shall promptly request by telephone and electronic mail that the low bidder and second low bidder provide the affidavit within one business day of the request. Failure to submit the affidavit within one business day of receiving the request shall result in disqualification of the bid. To comply with this law, Vendor should complete the enclosed drug-free workplace affidavit and submit the same with its bid. Failure to submit the signed and notarized drugfree workplace affidavit or a similar affidavit that fully complies with the requirements of the applicable code, within one business day of being requested to do so shall result in disqualification of Vendor's bid. Pursuant to W. Va. Code 21-1D-2(b) and (k), this provision does not apply to public improvement contracts the value of which is \$100,000 or less or temporary or emergency repairs.

3.1. DRUG-FREE WORKPLACE POLICY: Pursuant to W. Va. Code § 21-1D-4, Vendor and its subcontractors must implement and maintain a written drug-free workplace policy that complies with said article. The awarding public authority shall cancel this contract if: (1) Vendor fails to implement and maintain a written drug-free workplace policy described in the preceding paragraph, (2) Vendor fails to provide information regarding implementation of its drug-free workplace policy at the request of the public authority; or (3) Vendor provides to the public authority false information regarding the contractor's drug-free workplace policy.

Pursuant to W. Va. Code 21-1D-2(b) and (k), this provision does not apply to public improvement contracts the value of which is \$100,000 or less or temporary or emergency repairs.

4. DRUG FREE WORKPLACE REPORT: Pursuant to W. Va. Code § 21-1D-7b, no less than once per year, or upon completion of the project, every contractor shall provide a certified report to the public authority which let the contract. For contracts over \$25,000, the public authority shall be the West Virginia Purchasing Division. For contracts of \$25,000 or less, the public authority shall be the agency issuing the contract. The report shall include:

- (1) Information to show that the education and training service to the requirements of West Virginia Code § 21-1D-5 was provided;
- (2) The name of the laboratory certified by the United States Department of Health and Human Services or its successor that performs the drug tests;
- (3) The average number of employees in connection with the construction on the public improvement;
- (4) Drug test results for the following categories including the number of positive tests and the number of negative tests: (A) Pre-employment and new hires; (B) Reasonable suspicion; (C) Post-accident; and (D) Random.

Vendor should utilize the attached Certified Drug Free Workplace Report Coversheet when submitting the report required hereunder. Pursuant to W. Va. Code 21-1D-2(b) and (k), this provision does not apply to public improvement contracts the value of which is \$100,000 or less or temporary or emergency repairs.

5. AIA DOCUMENTS: All construction contracts that will be completed in conjunction with architectural services procured under Chapter 5G of the West Virginia Code will be governed by the attached AIA documents, as amended by the Supplementary Conditions for the State of West Virginia, in addition to the terms and conditions contained herein.

6. PROHIBITION AGAINST GENERAL CONDITIONS: Notwithstanding anything contained in the AIA Documents or the Supplementary Conditions, the State of West Virginia will not pay for general conditions, or winter conditions, or any other condition representing a delay in the contracts. The Vendor is expected to mitigate delay costs to the greatest extent possible and any costs associated with Delays must be specifically and concretely identified. The state will not consider an average daily rate multiplied by the number of days extended to be an acceptable charge.

7. GREEN BUILDINGS MINIMUM ENERGY STANDARDS: In accordance with § 22-29-4, all new building construction projects of public agencies that have not entered the schematic design phase prior to July 1, 2012, or any building construction project receiving state grant funds and appropriations, including public schools, that have not entered the schematic design phase prior to July 1, 2012, shall be designed and constructed complying with the ICC International Energy Conservation Code, adopted by the State Fire Commission, and the ANSI/ASHRAE/IESNA Standard 90.1-2007: Provided, That if any construction project has a commitment of federal funds to pay for a portion of such project, this provision shall only apply to the extent such standards are consistent with the federal standards.

8. LOCAL LABOR MARKET HIRING REQUIREMENT: Pursuant to West Virginia Code §21-1C-1 et seq., Employers shall hire at least seventy-five percent of employees for public improvement construction projects from the local labor market, to be rounded off, with at least two employees from outside the local labor market permissible for each employer per project.

Any employer unable to employ the minimum number of employees from the local labor market shall inform the nearest office of Workforce West Virginia of the number of qualified employees needed and provide a job description of the positions to be filled.

If, within three business days following the placing of a job order, Workforce West Virginia is unable to refer any qualified job applicants to the employer or refers less qualified job applicants than the number requested, then Workforce West Virginia shall issue a waiver to the employer stating the unavailability of applicant and shall permit the employer to fill any positions covered by the waiver from outside the local labor market. The waiver shall be in writing and shall be issued within the prescribed three days. A waiver certificate shall be sent to both the employer for its permanent project records and to the public authority.

Any employer who violates this requirement is subject to a civil penalty of \$250 per each employee less than the required threshold of seventy-five percent per day of violation after receipt of a notice of violation.

Any employer that continues to violate any provision of this article more than fourteen calendar days after receipt of a notice of violation is subject to a civil penalty of \$500 per each employee less than the required threshold of seventy-five percent per day of violation.

The following terms used in this section have the meaning shown below.

(1) The term “construction project” means any construction, reconstruction, improvement, enlargement, painting, decorating or repair of any public improvement let to contract in an amount equal to or greater than \$500,000. The term “construction project” does not include temporary or emergency repairs;

(2) The term “employee” means any person hired or permitted to perform hourly work for wages by a person, firm or corporation in the construction industry; The term “employee” does not include:(i) Bona fide employees of a public authority or individuals engaged in making temporary or emergency repairs;(ii) Bona fide independent contractors; or(iii) Salaried supervisory personnel necessary to assure efficient execution of the employee's work;

(3) The term “employer” means any person, firm or corporation employing one or more employees on any public improvement and includes all contractors and subcontractors;

(4) The term “local labor market” means every county in West Virginia and any county outside of West Virginia if any portion of that county is within fifty miles of the border of West Virginia;

(5) The term “public improvement” includes the construction of all buildings, roads, highways, bridges, streets, alleys, sewers, ditches, sewage disposal plants, waterworks, airports and all other structures that may be let to contract by a public authority, excluding improvements funded, in whole or in part, by federal funds.

9. DAVIS-BACON AND RELATED ACT WAGE RATES:

☒ The work performed under this contract is federally funded in whole, or in part. Pursuant to 2 CFR 200.317, Vendors are required to pay applicable Davis-Bacon wage rates.

☐ The work performed under this contract is not subject to Davis-Bacon wage rates.

10. SUBCONTRACTOR LIST SUBMISSION: In accordance with W. Va. Code § 5-22-1, the apparent low bidder on a contract valued at more than \$250,000.00 for the construction, alteration, decoration, painting or improvement of a new or existing building or structure shall submit a list of all subcontractors who will perform more than \$25,000.00 of work on the project including labor and materials. (This section does not apply to any other construction projects, such as highway, mine reclamation, water or sewer projects.) The subcontractor list shall be provided to the Purchasing Division within one business day of the opening of bids for review.

If the apparent low bidder fails to submit the subcontractor list, the Purchasing Division shall promptly request by telephone and electronic mail that the low bidder and second low bidder provide the subcontractor list within one business day of the request. Failure to submit the subcontractor list within one business day of receiving the request shall result in disqualification of the bid.

If no subcontractors who will perform more than \$25,000.00 of work are to be used to complete the project, the apparent low bidder must make this clear on the subcontractor list, in the bid itself, or in response to the Purchasing Division's request for the subcontractor list.

a. Required Information. The subcontractor list must contain the following information:

i. Bidder's name

ii. Name of each subcontractor performing more than \$25,000 of work on the project.

iii. The license number of each subcontractor, as required by W. Va. Code § 21-11-1 et. seq.

iv. If applicable, a notation that no subcontractor will be used to perform more than \$25,000.00 of work. (This item iv. is not required if the vendor makes this clear in the bid itself or in documentation following the request for the subcontractor list.)

b. Subcontractor List Submission Form: The subcontractor list may be submitted in any form, including the attached form, as long as the required information noted above is included. If any information is missing from the bidder's subcontractor list submission, it may be obtained from other documents such as bids, emails, letters, etc. that accompany the subcontractor list submission.

c. Substitution of Subcontractor. Written approval must be obtained from the State Spending Unit before any subcontractor substitution is permitted. Substitutions are not permitted unless:

i. The subcontractor listed in the original bid has filed for bankruptcy;

ii. The subcontractor in the original bid has been debarred or suspended; or

iii. The contractor certifies in writing that the subcontractor listed in the original bid fails, is unable, or refuses to perform his subcontract.

Subcontractor List Submission (Construction Contracts Only)

Bidder's Name: Universal Engineering & Contracting LLC

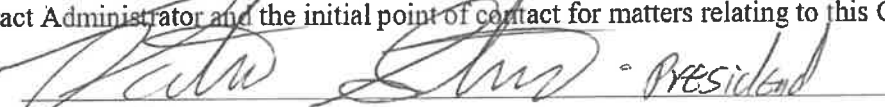


Check this box if no subcontractors will perform more than \$25,000.00 of work to complete the project.

| Subcontractor Name | License Number if Required by W. Va. Code § 21-11-1 et. seq. |
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Attach additional pages if necessary

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

 - President

(Name, Title)

Patrick Smith, President

(Printed Name and Title)

400 Airport Road Ste 7 Elkins WV 26241

(Address)

304-678-9065

(Phone Number) / (Fax Number)

Pat@uec.global

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

Universal Engineering & Contracting LLC

(Company)

 President

(Authorized Signature) (Representative Name, Title)

Patrick Smith, President

(Printed Name and Title of Authorized Representative)

4/14/2023

(Date)

304-678-9065

(Phone Number) (Fax Number)

REQUEST FOR QUOTATION – CRFQ ADJ23*18
Marshall County Readiness Center Generator & Automatic Transfer Switch

GENERAL CONSTRUCTION SPECIFICATIONS (No AIA Documents)

- 1. PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of the WV Army National Guard, Construction & Facilities Management Office, to establish a contract for the following:

PROVIDE ALL LABOR, MATERIAL, TOOLS, SUPPLIES AND EQUIPMENT TO PROVIDE AND INSTALL A NEW 1000KW NATURAL GAS GENERATOR & AUTOMATIC TRANSFER SWITCH AT THE MARSHALL COUNTY READINESS CENTER, IN MOUNDSVILLE, WV. Contractor shall coordinate work through the Agency Project Manager.

The Vendor shall furnish all materials, labor, and equipment necessary to complete all Construction Services. The Vendor shall furnish any incidental work, materials, labor, and equipment that are necessary to complete the Construction Services, even if such incidental work is not explicitly included in the Project Plans.

Due to meeting restrictions currently in place, vendors are asked to follow safety protocols, as instructed by Project Manager. Please follow the guidelines below regarding the meeting.

- No more than two (2) representatives of the interested bidder may attend the site visit; to limit group size.
- Site visits will take place the day of the Pre-Bid meeting in small groups as directed by the Agency Project Manager, vendors should plan on the possibility of being onsite for several hours, depending on the number of contractors who attend.
- Visiting bidder representative(s) must abide by all safety precautions for safe social distancing, as prescribed by the Agency Project Manager.
- The site visit is NOT an opportunity to ask or submit technical questions about the project. No verbal representations provided at a site visit are binding in any manner. Interested bidders should submit all technical questions per the instructions in the CFRQ.

Where brand names are shown, these names are intended to describe a quality of product, and in no way are intended to limit products of equal quality. Therefore, products of other manufacturers may be employed for this work provided they are of equivalent materials and construction and are equally adaptable to the conditions as approved by the agency.

- 2. DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions and in the Project Plans as defined below.

REQUEST FOR QUOTATION – CRFQ ADJ23*18
Marshall County Readiness Center Generator & Automatic Transfer Switch

- 2.1 “Construction Services”** means to provide turn-key installation, including all labor, materials, tools, supplies and equipment, to provide & install a new 1000Kw natural gas Generator & 1000AMP Automatic Transfer Switch located at, the Marshall County Readiness Center, Moundsville, WV as more fully described in the Project Plans.
- 2.2 “Pricing Page”** means the pages contained in wvOASIS, attached hereto as Exhibit A, or included in the Project Plans upon which Vendor should list its proposed price for the Construction Services.
- 2.3 “Solicitation”** means the official notice of an opportunity to supply the State with Construction Services that is published by the Purchasing Division.
- 2.4 “Project Plans”** means documents developed by an architect, an engineer, the Agency, or another design professional, which are attached hereto as Exhibit B-F, that provide detailed instructions on how the Construction Services are to be performed. In the event that Project Plans contain drawings or other documents too large to attach in Exhibit B-F, Vendors can obtain copies in accordance with Section 9 of these Specifications.
- 3. ORDER OF PRECEDENCE:** This General Construction Specifications document will have priority over, and supersede, anything contained in the Project Plans.
- 4. QUALIFICATIONS:** Vendor, or Vendor’s staff if requirements are inherently limited to individuals rather than corporate entities, shall have the following minimum qualifications:
- 4.1. Experience:** Vendor, or Vendor’s supervisory staff assigned to this project, must have successfully completed at least five (5) projects that involved work similar to that described in these specifications or the Project Plans. Compliance with this experience requirement will be determined prior to contract award by the State through references provided by the Vendor upon request, through knowledge or documentation of the Vendor’s past projects, through confirmation of experience requirements from the architect assisting the State in this project, or some other method that the State determines to be acceptable. Vendor must provide any documentation requested by the State to assist in confirmation of compliance with this provision. References, documentation, or other information to confirm compliance with this experience requirement may be requested after bid opening and prior to contract award.
- 5. CONTRACT AWARD:** The Contract is intended to provide Agency with a purchase price for the Construction Services. The Contract will be awarded to the lowest qualified responsible bidder meeting the required specifications.

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Marshall County Readiness Center Generator & Automatic Transfer Switch

6. **SELECTION OF ALTERNATES:** Pursuant to W. Va. Code § 5-22-1(f), any solicitation of bids shall include no more than five alternates. Alternates, if accepted, shall be accepted in the order in which they are listed on the bid form. Any unaccepted alternate contained within a bid shall expire 90 days after the date of the opening of bids for review. Determination of the lowest qualified responsible bidder shall be based on the sum of the base bid and any alternates accepted. **This project has No alternates.**
7. **PERFORMANCE:** Vendor shall perform the Construction Services in accordance with this document and the Project Plans.
8. **SUBSTITUTIONS:** Any substitution requests must be submitted in accordance with the official question and answer period described in the INSTRUCTIONS TO VENDORS SUBMITTING BIDS, Paragraph 4. Vendor Question Deadline. Vendors submitting substitution requests should submit product brochures and product specifications during the official question and answer period.
9. **PROJECT PLANS:** The checked box will apply to Project Plans for this solicitation.
- ☐ **No Additional Project Plan Documents:** There are no additional Project Plans other than those attached hereto as Exhibit(s) B-F or any subsequent addenda modifying Exhibit(s) B-F.

10. CONDITIONS OF THE WORK

- 10.1. **Permits:** The Vendor shall procure all necessary permits and licenses to comply with all applicable Federal, State, or Local laws, regulations and ordinances of any regulating body.
- 10.2. **Existing Conditions:** If discrepancies are discovered between the existing conditions and those noted in the specifications, Vendor must immediately notify the Agency's representative. Vendor must also immediately notify the Agency if suspected hazardous materials are encountered.
- 10.3. **Standard Work Hours:** The standard hours of work for this Contract will be Monday through Friday from 7:30am to 4:00pm, excluding holidays recognized by the State of West Virginia. Any work outside of the standard hours of work must be approved in advance at the Agency's sole discretion. Authorization of work outside of the standard hours of work will not entitle Vendor to additional compensation.
- 10.4. **Project Closeout:** Project Closeout shall include the following:

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Marshall County Readiness Center Generator & Automatic Transfer Switch

10.4.1. Final Cleanup: Vendor shall perform the final cleanup activities listed below, along with any other final cleanup activities normally associated with the work performed under this Contract, prior to final inspection:

10.4.1.1. Contractor is responsible for removing all construction debris daily.

10.4.1.2. Contractor is responsible for removing and disposing of any demolished material, off site and at the contractor's expense.

10.4.2. Final Inspection: Vendor shall participate in a final inspection with the Agency's project manager. The purpose of the final inspection will be to identify deficiencies that need to be remedied prior to Agency's final acceptance of the work. Vendor shall at all times be obligated to perform in accordance with the Contract and must take all actions necessary to ensure that work complies with requirements of Contract prior to final acceptance. Final acceptance does not waive or release Vendor from its obligation to ensure that work complies with the Contract requirements. Vendor shall submit any warranty documents to the Agency project manager at final inspection.

10.5. Payment:

10.5.1 Agency shall pay flat fee as shown on the Bid Form, for all Contract Services performed and accepted under this Contract. Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.

10.5.2 Invoices shall be submitted for payment (in arrears) and must include the following information:

10.5.2.1 Invoice must include, at a minimum, invoice date, FEIN number, complete address of vendor and Contract number.

10.5.2.2 Invoices shall be mailed to the following address:

WV Army National Guard
Construction & Facilities Management Office
1707 Coonskin Drive
Attn: Accounts Payable
Charleston, WV 25311

REQUEST FOR QUOTATION – CRFQ ADJ23*18
Marshall County Readiness Center Generator & Automatic Transfer Switch

11. FACILITIES ACCESS: Performance of Contract Services may require access cards and/or keys to gain entrance to Agency's facilities. In the event that access cards and/or keys are required:

11.1. Vendor must identify principal service personnel which will be issued access cards and/or keys to perform service.

11.2. Vendor will be responsible for controlling cards and keys and will pay replacement fee, if the cards or keys become lost or stolen.

11.3. Vendor shall notify Agency immediately of any lost, stolen, or missing card or key.

11.4. Anyone performing under this Contract will be subject to Agency's security protocol and procedures.

11.5. Vendor shall inform all staff of Agency's security protocol and procedures.

12. MISCELLANEOUS:

12.1. Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: _____

Telephone Number: _____

Fax Number: _____

Email Address: _____

- a. Liquidated Damages:** Contractor shall pay liquidated damages in the amount of \$1,500.00 per day of delay, plus a one-time fixed cost of \$1,250.00 for Staff Judge Advocate review for work not completed after contract completion date. This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy.

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Marshall County Readiness Center Generator & Automatic Transfer Switch

EXHIBIT A – Pricing Page

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Marshall County Readiness Center Generator & Automatic Transfer Switch

EXHIBIT B – PROJECT PLANS

13. GENERAL REQUIREMENTS:

13.1 Mandatory Contract Item Requirements: Contract Item must meet or exceed the mandatory requirements listed below.

13.1.1 All work to be performed according to specifications provided in the following attachments.

13.1.1.1 Exhibit A Pricing Page

**13.1.1.2 Exhibit C Scope of Work-Marshall County Readiness Center
Generator & Automatic Transfer Switch**

13.1.1.3 Exhibit D Generator & ATS Specifications

13.1.1.1 Exhibit E Fence Drawing

13.1.1.1 Exhibit F Swing Gate Drawing

14. PERFORMANCE: Vendor and Agency shall agree upon a schedule for performance of Contract Services and Contract Services Deliverables, unless such a schedule is already included herein by Agency.

15. TRAVEL: Vendor shall be responsible for all mileage and travel costs, including travel time, associated with performance of this Contract. Any anticipated mileage or travel costs may be included in the Vendor's bid, but such costs will not be paid by the Agency separately.

16. PROJECT SPECIFIC CONDITIONS OF THE WORK

16.1 Limits of Work

16.1.1 Work areas will be limited to those spaces required for access to the jobsites.

16.1.2 Some interior space may be utilized for temporary (overnight) storage of equipment and tools. Coordinate storage needs with the Agency Project Manager. Vendor shall take full responsibility for the storage of any supplies or equipment on the jobsite, whether inside or outside. Agency cannot guarantee availability of its employees during off-hours (evenings, holidays, weekends, etc) to provide access to any supplies and equipment stored inside.

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Marshall County Readiness Center Generator & Automatic Transfer Switch

16.1.3 Agency facilities shall remain in use during this contract. Contractor shall work with the Trades Specialist to coordinate the temporary access to work areas and otherwise provide for the Contractor needs to complete work. Contractor shall minimize disruption to building work areas and loading dock access.

Contractor shall be permitted reasonable use of building utilities including power, water and sanitary sewage disposal as required for conducting the work. Contractor shall coordinate the location of service connections or use of receptacles with the Trades Specialist to avoid overloading existing circuits.

16.2 Contractor Visitor Badges

Contractor shall provide a list of all personnel working on this project within the facility. This list shall include a copy of a valid driver's license or other legal identification and include date of birth and cell phone number. Workers shall carry valid Contractor Photo ID Badges to be worn when working in the facility. Under no circumstances shall a worker be assigned to this project without the validation first being submitted to the WV Army National Guard and approval given.

16.3 Work Restrictions

Access to the buildings shall be coordinated with the Owner. Contractor shall not leave open doors unattended and shall close doors when not in use.

These are non-smoking buildings. Smoking is not permitted within the buildings or near entrances, operable windows or outdoor air intakes.

Vendor MAY NOT block access to any fire hydrant located at jobsite.

Vendor MAY NOT block access to parking lot entrances and exits without prior approval of the Agency.

16.4 Parking

Some parking is available on the project sites. Parking in non-designated areas is not permitted. Parking is the responsibility of the contractor. With prior approval, contractor's vehicles may be brought on-site for loading & unloading or to provide equipment necessary for conducting the work.

Use of loading dock areas or sidewalk areas for parking is strictly prohibited.

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Marshall County Readiness Center Generator & Automatic Transfer Switch

16.5 Codes

All work is to be performed in compliance with applicable Federal and State codes including but not limited to the International Building Code, International Mechanical Code, Life Safety Code, NEC, OSHA, UL, ANSI, ASME and related standards.

16.6 Safety

All applicable local safety and OSHA rules and guidelines shall be met by the Contractor. Work shall be subject to verification and inspection by WV Army National Guard Safety representatives. Such verification shall not relieve the Contractor from meeting all applicable safety regulations and inspection by other agencies.

16.7 Hot Work Permit

Contractor shall obtain Owner's permission prior to performing any work that requires an open flame, creates sparks, use's equipment that creates combustible temperatures, or performs any work that could result in a fire hazard. Owner will review work area and issue a 'Hot Work Permit' prior to Contractor commencing work. Note that the Contractor must take proper precautions and may be required to provide a Fire Watch as a condition of the permit.

16.8 Workmanship

Contractor shall complete all work in a neat and workmanlike manner. All work shall be done using new materials in a manner that meets commercial quality standards. Work shall be neat, true, plumb and square, as applicable. Contractor shall verify all dimensions.



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Quote

| | | | |
|--|----------------------------|-------------------------|---|
| Proc Folder: 1187605 | | | Reason for Modification: Addendum No. 1 |
| Doc Description: Construction Marshall County Readiness Center Generator, ATS | | | |
| Proc Type: Central Purchase Order | | | |
| Date Issued | Solicitation Closes | Solicitation No | Version |
| 2023-03-13 | 2023-03-22 13:30 | CRFQ 0603 ADJ2300000018 | 2 |

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code:

Vendor Name :

Address :

Street :

City :

State :

Country :

Zip :

Principal Contact :

Vendor Contact Phone:

Extension:

FOR INFORMATION CONTACT THE BUYER

David H Pauline
304-558-0067
david.h.pauline@wv.gov

**Vendor
Signature X**

FEIN#

DATE

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

Addendum No. 1

To change specifications, see attached.

To publish the Pre-Bid Sign-in sheets, see attached.

To address Vendor Technical Questions, see attached.

To move bid opening date & time to March 22, 2023, at 1:30 pm est.

No other changes.

INVOICE TOADJUTANT GENERALS
OFFICE
1707 COONSKIN DRCHARLESTON
US

WV

SHIP TOADJUTANT GENERALS
OFFICE
1600 SOUTH LAFAYETTE
AVENUEMOUNDSVILLE
US

WV

| Line | Comm Ln Desc | Qty | Unit Issue | Unit Price | Total Price |
|------|---|-----|------------|------------|-------------|
| 1 | Marshall County Readiness Center Generator & ATS Install | | | | |

Comm Code**Manufacturer****Specification****Model #**

72000000

Extended Description:

Contract Item #1- Lump Sum Price for purchase and installation of a new 1000Kw natural gas generator and a 1000AMP automatic transfer switch for the Marshall County Readiness Center, per the attached documentation.

SCHEDULE OF EVENTS

| <u>Line</u> | <u>Event</u> | <u>Event Date</u> |
|-------------|--|-------------------|
| 1 | Mandatory Pre-Bid Meeting at 10:30 am est. | 2023-03-08 |
| 2 | Technical Questions Due By Noon | 2023-03-13 |

| | Document Phase | Document Description | Page 3 |
|---------------|----------------|---|-----------|
| ADJ2300000018 | Draft | Construction Marshall County Readiness Center Generator, ATS | |

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

SOLICITATION NUMBER: CRFQ ADJ2300000018
Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as ("ADJ2300000018") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- ☒ Modify bid opening date and time
- ☒ Modify specifications of product or service being sought
- ☒ Attachment of vendor questions and responses
- ☒ Attachment of pre-bid sign-in sheet
- ☐ Correction of error
- ☐ Other

Description of Modification to Solicitation:

1. To change specifications, see attached.
2. To publish pre-bid sign-in sheet, see attached.
3. To address vendor technical questions, see attached.
4. To move the bid opening date to 3/22/23 at 1:30 pm est.
3. No other changes.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

Pre-Bid Sign-In Sheet

Solicitation Number: ADJ2300000018

Date of Pre-Bid Meeting: March 8th, 2023

Location of Prebid Meeting: Marshall County, Moundsville, WV

Please Note:

Vendors must sign-in on this sheet to verify attendance at the Pre-Bid meeting.
Failure to legibly sign in may be grounds for declaring a vendor ineligible to bid.
For further verification, please also provide a business card if possible.

| <u>Firm Represented:*</u> | <u>Rep Name (Printed):</u> | <u>Firm Address:</u> | <u>Telephone #:</u> | <u>Fax #:</u> | <u>Email:</u> |
|---------------------------|---------------------------------|--|----------------------------|---------------|----------------------------|
| Master Service Corp | Kaya Lee Kaya Lee | 2553 Harrison Ave Elkins, WV, 26241 | 304-636 8170 EXT 116 | | Kaya@masterservicecorp.com |
| Yahn Electric | Chris Yahn | 113 17th St. Wheeling, WV 26003 | 304-232-5070 | | Cyahn@yahnelectric.com |
| U.E.C. | Pgt Smith | 400 Airport Rd Ste 7 Elkins WV 26241 | 304-678 -9065 | | pat@mountainenergys.com |
| CFMD | Craig Welch | | | | |
| WV Military Authority | Dean Wingerd | 1707 Loonskin Drive Charleston, WV 25311 | 304-561- 6620 | | |
| WV Military Authority | Darin Cecil | 1600 Lafayette Ave. Moundsville WV, 26041 | 304-201- 3914 | | Darin.A.Cecil.Mil@Army.Mil |

***One Vendor Per Representative** - No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.

Pre-Bid Sign-In Sheet

Solicitation Number: ADJ2300000018

Date of Pre-Bid Meeting: March 8th, 2023

Location of Prebid Meeting: Marshall County, Moundsville, WV

Please Note:

Vendors must sign-in on this sheet to verify attendance at the Pre-Bid meeting.
Failure to legibly sign in may be grounds for declaring a vendor ineligible to bid.
For further verification, please also provide a business card if possible.

| <u>Firm Represented:*</u> | <u>Rep Name (Printed):</u> | <u>Firm Address:</u> | <u>Telephone #:</u> | <u>Fax #:</u> | <u>Email:</u> |
|---------------------------|----------------------------|---|---------------------|---------------|---------------------------------------|
| UNITED ELECTRIC | AARON POLLOCK | 35 18712 ST WHD, WV 26003 | 304-282 1330 | | apollock@ unitedelectricwv. com |
| ERB Electric | Tony Sikole | 500 Hall Street Bridgeport, OH 43912 | 740-638-5035 | | tsikole@erbelectric.com |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

***One Vendor Per Representative** - No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.



DEPARTMENT OF THE ARMY
JOINT FORCES HEADQUARTERS WEST VIRGINIA
1707 COONSKIN DRIVE
CHARLESTON, WEST VIRGINIA 25311-1026

March 13, 2023

ADDENDUM NO. 1- CRFQ-ADJ2300000018

RE: Construction – Marshall County Readiness Center Generator & ATS
West Virginia Adjutant Generals Office
Moundsville, WV

TO: Prospective Bidders

FROM: West Virginia Adjutant Generals Office

NOTE: This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents.

PART 1 – INFORMATION FOR BIDDERS

Bid Opening Date moved to March 22, 2023 @ 1:30 pm EST

PART 2 – VENDOR QUESTIONS AND RESPONSES

Question No. 1: Please extend the fixed period contract time to 500 calendar days. The generator lead time is 60 weeks and contractor will need time to install gas line and fencing after generator is set?

Response No. 1: No, the date of the Notice to Proceed will initiate the beginning of the contract performance period of 180 days.

Question No. 2: Will you allow the ATS to be mounted outside?

Response No. 2: Yes, in a stainless steel waterproof enclosure.

Question No. 3: What type of tests are needed for the generator and please provide duration for each test?

Response No. 3: Full startup, load bank testing and programming.

Question No. 4: Is an annunciator to be included?

Response No. 4: Yes.

Question No. 5: Is a remote E-stop to be included?

Response No. 5: Yes, location to be in Mechanical Room.

Question No. 6: How long can the electrical service be down for interconnecting ATS and generator?

Response No. 6: Allowance of 8 hours for tie-in

Question No. 7: How long can the natural gas service be down for new connection to generator?

Response No. 7: Allowance of 8 hours for tie-in

Question No. 8: Would it be acceptable to use two natural gas paralleling 500kW generators in lieu of the one 1000kW?

Response No. 8: Yes that is acceptable, however, if a vendor chooses to bid the job like that they must provide pricing for both scenarios, one with only one (1) 1000kW generator and the other with parallel (2) 500kW generators.

Question No. 9: The existing 3" gas line coming into the building is low pressure and we verified that with the gas company. It does not have sufficient supply for this generator set. Do we need to look into getting a new gas supply to the building large enough for the 1000KW unit or could we price a diesel unit with a sub base fuel tank. If we can price a diesel unit what would be the required run time for the tank?

Response No. 9: Natural gas is the preferred option.

Question No. 10: The existing concrete pad is too small and not reinforced or thick enough for the weight of the proposed generator. Can the existing pad be removed and new pad sized properly be installed.?

Response No. 10: Yes.

Question No. 11: Should the generator be provided with two breakers in the gen set one 1000A and one 500A. The 1000A would feed the current building and the 500A would be reserved for the future building. It is a lot more difficult to add this breaker later.

Response No. 11: Yes.

Question No. 12: Generac does not make a level 3 sound enclosure for this unit. Can it be priced with a level 2 sound enclosure?

Response No. 12: Yes, or a different model is acceptable if it meets or exceeds the specifications provided for Generac.

Question No. 13: Can the 1000A ATS be placed outside instead of inside. If outside it would be a free standing NEMA 3R ATS mounted on a concrete pad.?

Response No. 13: Yes, must be encompassed by the fence enclosure.

Question No. 14: I assume you would want a remote annunciator in the building and the required e-stop for the unit in the building. Located in the mechanical room.?

Response No. 14: Yes.

END OF ADDENDUM



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Quote

| | | | |
|--|----------------------------|-------------------------|---|
| Proc Folder: 1187605 | | | Reason for Modification: Addendum No. 2 |
| Doc Description: Construction Marshall County Readiness Center Generator, ATS | | | |
| Proc Type: Central Purchase Order | | | |
| Date Issued | Solicitation Closes | Solicitation No | Version |
| 2023-03-20 | 2023-04-04 13:30 | CRFQ 0603 ADJ2300000018 | 3 |

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code:

Vendor Name :

Address :

Street :

City :

State :

Country :

Zip :

Principal Contact :

Vendor Contact Phone:

Extension:

FOR INFORMATION CONTACT THE BUYER

David H Pauline
304-558-0067
david.h.pauline@wv.gov

**Vendor
Signature X**

FEIN#

DATE

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

Addendum No. 2

- 1) To provide CLARIFICATIONS to the specifications, see attached.
 - 2) To provide a new specification for a Diesel Generator to replace the original unit specified (see attached)
 - 3) To open back up the question period with a new question submission deadline for 10:00am March 27th, 2023
- To move bid opening date & time to April 4, 2023, at 1:30 pm est.

No other changes.

INVOICE TOADJUTANT GENERALS
OFFICE
1707 COONSKIN DRCHARLESTON
US

WV

SHIP TOADJUTANT GENERALS
OFFICE
1600 SOUTH LAFAYETTE
AVENUEMOUNDSVILLE
US

WV

| Line | Comm Ln Desc | Qty | Unit Issue | Unit Price | Total Price |
|------|---|-----|------------|------------|-------------|
| 1 | Marshall County Readiness Center Generator & ATS Install | | | | |

Comm Code**Manufacturer****Specification****Model #**

72000000

Extended Description:

Contract Item #1- Lump Sum Price for purchase and installation of a new 1000Kw natural gas generator and a 1000AMP automatic transfer switch for the Marshall County Readiness Center, per the attached documentation.

SCHEDULE OF EVENTS

| <u>Line</u> | <u>Event</u> | <u>Event Date</u> |
|-------------|--|-------------------|
| 1 | Mandatory Pre-Bid Meeting at 10:30 am est. | 2023-03-08 |
| 2 | Technical Questions Due By Noon | 2023-03-13 |
| 3 | Technical Questions Due by 10:00 am est. | 2023-03-27 |

| | Document Phase | Document Description | Page 3 |
|---------------|----------------|---|-----------|
| ADJ2300000018 | Draft | Construction Marshall County Readiness Center Generator, ATS | |

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

SOLICITATION NUMBER: CRFQ ADJ2300000018
Addendum Number: 2

The purpose of this addendum is to modify the solicitation identified as ("ADJ2300000018") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- ☒ Modify bid opening date and time
- ☒ Modify specifications of product or service being sought
- ☐ Attachment of vendor questions and responses
- ☐ Attachment of pre-bid sign-in sheet
- ☐ Correction of error
- ☒ Other

Description of Modification to Solicitation:

1. To provide CLARIFICATIONS to the specifications (see attached).
2. To provide a new specification for a Diesel Generator to replace the original unit specified (see attached).
3. To open back up the question period with a new question submission deadline for 10:00am March 27th, 2023.
4. To move the bid opening to April 4, 2023 @ 1:30pm.
5. No other changes.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

Addendum No. 2- CRFQ 0603 ADJ2300000018-CLARIFICATIONS
Marshall County Readiness Center- Generator & ATS

1. REVISE Specifications and Construction Scope of Work to ADD the information below with the contract documents.

* The Contractor for this project will be REQUIRED to provide and install a Generac Model MD1000- 1000kW 1250 kVA, 60Hz Industrial **Diesel-Powered** Generator or equal, per the attached specifications. Contractors will provide this generator with the following options included.

20amp UL Listed Battery Charger
Oil Heater
2nd Breaker System
Level 3 Enclosure
E-Stop & Annunciator
5-year Extended Limited Warranty
1800 Gallon Fuel Tank

2. REVISE Specifications and Construction Scope of Work to REMOVE the information below with the contract documents.

* Remove all reference to a natural gas-powered generator in the original specifications and solicitation. The infrastructure at the Marshall County facility will not support the installation of a natural gas-powered generator.

MD1000 | 37.1L | 1,000 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

GENERAC INDUSTRIAL POWER

Standby Power Rating

1,000 kW, 1,250 kVA, 60 Hz

Prime Power Rating*

900 kW, 1,125 kVA, 60 Hz



*Assembled in the USA using domestic and foreign parts

*EPA Certified Prime ratings are not available in the US or its Territories

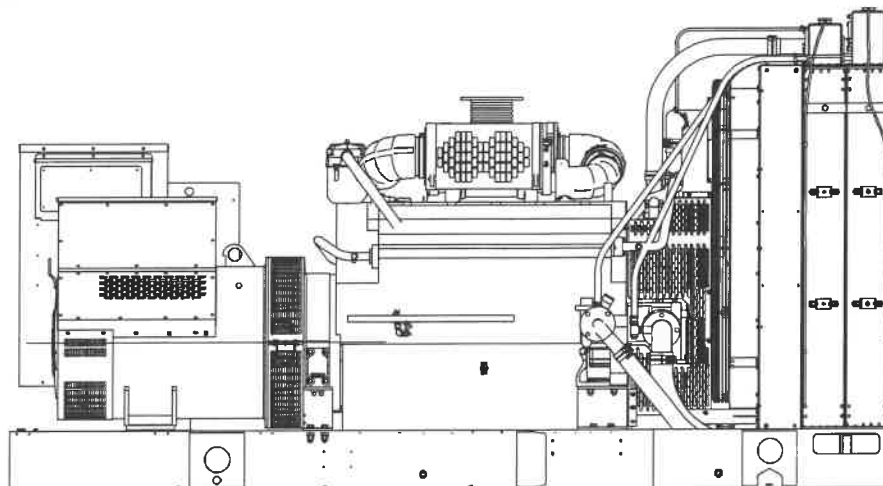


Image used for illustration purposes only

Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.



UL2200, UL6200, UL1236, UL489, UL142



CSA C22.2, ULC S601



BS5514 and DIN 6271



SAE J1349



NFPA 37, 70, 99, 110



NEC700, 701, 702, 708



ISO 3046, 7637, 8528, 9001



NEMA ICS10, MG1, 250, ICS6, AB1



ANSI C62.41



IBC 2009, CBC 2010, IBC 2012, ASCE 7-05, ASCE 7-10, ICC-ES AC-156 (2012)

Powering Ahead

For over 60 years, Generac has provided innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

MD1000 | 37.1L | 1,000 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

GENERAC | **INDUSTRIAL POWER**

STANDARD FEATURES

ENGINE SYSTEM

- Oil Drain Extension
- Air Cleaner
- Level 1 Fan and Belt Guards (Open Set Only)
- Stainless Steel Flexible Exhaust Connection
- Engine Coolant Heater
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)

Fuel System

- Flexible Fuel Lines
- Primary and Secondary Fuel Filter

Cooling System

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene Glycol Antifreeze

Electrical System

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

ALTERNATOR SYSTEM

- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Permanent Magnet Excitation
- Sealed Bearing
- Full Load Capacity Alternator
- Main Line Circuit Breaker

GENERATOR SET

- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Standard Factory Testing
- IntelliMonitor Communications Software (English Only)
- Spring Isolator
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)

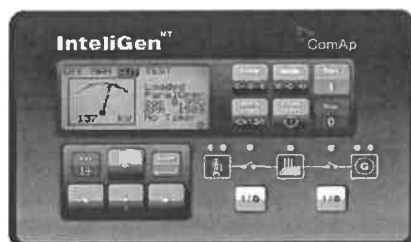
ENCLOSURE (If Selected)

- Structural Steel Sub-Base
- Sub-Base Lifting Eyes
- Enamel Finish
- Zinc Plated Fasteners
- Zinc Plated Cast Aluminum
- Keylock Door Handles
- Heavy Duty Stainless Steel Hinges with Removable Brass Pins
- Modular Construction

FUEL TANKS (If Selected)

- UL 142/ULC S601
- Double Wall
- Vents
- Factory Pressure Tested (2 psi)
- Rupture Basin Alarm
- Fuel Level
- Check Valve In Supply and Return Lines
- Stainless Steel Hardware
- Fuel Line Hose
- Fuel Line Hose and Separator
- Electronic Fuel Level
- Secondary Fuel Filter

CONTROL SYSTEM



IntelliGen NT® Display

- Program Functions
- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable Logic Controller
- RS-232/485 Communications
- 2-Wire Start Capability
- Date/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/Sealed Connectors
- Audible Alarms and Shutdowns
- Not in Auto (Flashing Light)
- Auto/Off/Manual Switch
- Customizable Alarms, Warnings, and Events

- Modbus® Protocol
- Predictive Maintenance Algorithm
- Sealed Boards
- Password Parameter Adjustment Protection
- Single Point Ground
- 16 Channel Remote Trending
- 0.2 msec High Speed Remote Trending
- Alarm Information Automatically Annunciated on the Display

Full System Status Display

- Power Output (kW)
- Power Factor
- kW Hours, Total, and Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency

Alarms and Warnings

- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Overspeed
- Battery Voltage
- Alarms and Warnings Time and Date Stamped
- Snap Shots of Key Operation Parameters During
- Alarms and Warnings
- Alarms and Warnings Spelled Out (No Alarm Codes)

MD1000 | 37.1L | 1,000 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

GENERAC | **INDUSTRIAL POWER**

CONFIGURABLE OPTIONS

ENGINE SYSTEM

- 50° Ambient Cooling System
- Critical and Hospital Grade Silencers
- Radiator Duct Flange
- Radiator Core Guard
- Air Filter Restriction Indicator
- CCV (Cold Crankcase Ventilation)

ELECTRICAL SYSTEM

- 10A UL Listed Battery Charger
- 20A UL Listed Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM

- Alternator Upsizing
- Anti-Condensation Heater

CIRCUIT BREAKER OPTIONS

- Shunt Trip and Auxiliary Contact
- Electronic Trip Breakers

GENERATOR SET

- Spring Isolators (Standard/Seismic)

ENCLOSURE

- Weather Protected Enclosure
- Level 1 Sound Attenuated
- Level 2 Sound Attenuated
- AC Electrical Lighting Package
- Steel Enclosure
- Aluminum Enclosure
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
- Louvers with Gravity Dampers
- Enclosure Heaters
- Motorized Dampers

FUEL TANKS (Size on Last Page)

- Mechanical Fuel Level
- 12 Hour Run Time
- 24 Hour Run Time

CONTROL SYSTEM

- 15-LED Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Remote E-Stop - Surface Mount
- Local E-Stop Panel
- Remote Communication - InternetBridge NT
- 10A Engine Run Relay
- Low Coolant Level
- 90% Alarm High Fuel Program
- Remote Display
- Speed Adjust Switch
- Shunt Trip Relay
- Louver Relay

WARRANTY (Standby Gensets Only)

- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

ENGINEERED OPTIONS

ENGINE SYSTEM

- Coolant Heater Ball Valves
- Oil Heater
- Fuel Cooler
- High Lift Pumps
- Heavy Duty Air Filters (Open Units Only)

ALTERNATOR SYSTEM

- 2nd Breaker System
- Unit Mounted Load Banks
- Medium Voltage Alternators
- Digital Voltage Regulator

CONTROL SYSTEM

- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch
- PM-SCi

GENERATOR SET

- Special Testing
- 12 VDC Enclosure Lighting Kit
- 24 VDC/120 VAC Enclosure Lighting Kit

ENCLOSURE

- Door Open Alarm Switch
- Level 3 Enclosure
- Custom Enclosure

FUEL TANKS

- Overfill Protection Valve
- UL2085 Tank
- Special Fuel Tanks
- External Vent Extensions
- Transfer Pumps and Controllers
- Fuel Tank Heaters

MD1000 | 37.1L | 1,000 kW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General

| | |
|------------------------------------|--------------------------|
| Make | Mitsubishi |
| Model | S12H-Y2PTAW-1 |
| EPA Emissions Compliance | Tier 2 |
| EPA Emissions Reference | See Emission Data Sheet |
| Cylinder # | 12 |
| Type | 4 Cycle - V12 |
| Displacement - in ³ (L) | 2,265 (37.1) |
| Bore - in (mm) | 5.91 (150) |
| Stroke - in (mm) | 6.89 (175) |
| Compression Ratio | 14.5:1 |
| Intake Air Method | Turbocharged/Intercooled |
| Cylinder Head | 4-Valve |
| Piston Type | Aluminum |
| Crankshaft Type | Dropped Forged Steel |

Engine Governing

| | |
|-------------------------------------|------------|
| Governor | Electronic |
| Frequency Regulation (Steady State) | ±0.25% |

Lubrication System

| | |
|-----------------------------|-----------|
| Oil Pump Type | Gear |
| Oil Filter Type | Cartridge |
| Crankcase Capacity - qt (L) | 192 (180) |

Cooling System

| | |
|------------------------|-----------------------|
| Cooling System Type | Unit Mounted Radiator |
| Water Pump Type | Centrifugal |
| Fan Type | Pusher |
| Fan Speed - RPM | 1,001 |
| Fan Diameter - in (mm) | 64 (1,625) |

Fuel System

| | |
|----------------------------|----------------------------|
| Fuel Type | Ultra Low Sulfur Diesel #2 |
| Fuel Specifications | ASTM |
| Fuel Filtering (Microns) | 10 (Final Filters) |
| Fuel Inject Pump Make | Electronic |
| Fuel Pump Type | Engine Driven Gear |
| Injector Type | Electronic Injection x 12 |
| Fuel Supply Line - in (mm) | NPT (25.0) |
| Fuel Return Line - in (mm) | NPT (25.0) |

Engine Electrical System

| | |
|----------------------------|------------------------------|
| System Voltage | 24 VDC |
| Battery Charger Alternator | Standard |
| Battery Size | See Battery Index 0161970SBY |
| Battery Voltage | (4) - 12 VDC |
| Ground Polarity | Negative |

ALTERNATOR SPECIFICATIONS

| | |
|-------------------------------------|-------------|
| Standard Model | K1000064N22 |
| Poles | 4 |
| Field Type | Rotating |
| Insulation Class - Rotor | H |
| Insulation Class - Stator | H |
| Total Harmonic Distortion | <5% |
| Telephone Interference Factor (TIF) | <50 |

| | |
|------------------------------------|--------------------------|
| Standard Excitation | Permanent Magnet |
| Bearings | Single Sealed Cartridge |
| Coupling | Direct via Flexible Disc |
| Load Capacity- Standby | 100% |
| Prototype Short Circuit Test | Yes |
| Voltage Regulator Type | Analog |
| Number of Sensed Phases | All |
| Regulation Accuracy (Steady State) | ±0.5% |

MD1000 | 37.1L | 1,000 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

GENERAC | INDUSTRIAL
POWER

OPERATING DATA

POWER RATINGS

| | | Standby |
|--------------------------------|----------|-------------|
| Three-Phase 277/480 VAC @0.8pf | 1,000 kW | Amps: 1,504 |
| Three-Phase 346/600 VAC @0.8pf | 1,000 kW | Amps: 1,203 |

MOTOR STARTING CAPABILITIES (skVA)

| skVA vs. Voltage Dip | |
|----------------------|-------|
| 277/480 VAC | 30% |
| K0912124Y22 | 2,560 |
| K1000064N22 | 3,100 |

FUEL CONSUMPTION RATES*

| Fuel Pump Lift- ft (m) | Diesel - gph (Lph) | |
|--|--------------------|------------|
| | Percent Load | Standby |
| 3 (1) | 25% | 23.8 (90) |
| | 50% | 44.0 (166) |
| | 75% | 66.0 (250) |
| | 100% | 82.9 (314) |
| Total Fuel Pump Flow (Combustion + Return) - gph (Lph) | | |
| 462 (1,750) | | |

* Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

| Cooling Rating- Jacket Water | | | Cooling Rating- Aftercooler | | |
|---|-----------------------------|-----------------|-----------------------------|-------------|-----------------|
| | | Standby | | | Standby |
| Coolant Flow | gpm (Lpm) | 383 (1,450) | Coolant Flow | gpm (Lpm) | 132 (500) |
| Coolant System Capacity | gal (L) | 76.3 (289) | Coolant System Capacity | gal (L) | 48.3 (183) |
| Heat Rejection to Coolant | BTU/hr (kW) | 1,494,060 (438) | Heat Rejection to Coolant | BTU/hr (kW) | 1,173,900 (344) |
| Inlet Air- 40°C Cooling Package | cfm (m³/min) | 36,600 (1,037) | Cooling Rating- Fuel Pump | | |
| Inlet Air- 50°C Cooling Package | cfm (m³/min) | 36,600 (1,037) | | | Standby |
| Maximum Operating Ambient Temperature | °F (°C) | 122 (50) | Heat Rejected to Fuel | BTU/hr (kW) | 71,892 (21) |
| Maximum Operating Ambient Temperature (Before Derate) | See Bulletin No. 0199270SSD | | | | |
| Maximum Additional Radiator Backpressure | in H ₂ O (kPa) | 0.5 (0.12) | | | |

COMBUSTION AIR REQUIREMENTS

| | Standby |
|------------------------------------|-------------|
| Flow at Rated Power - cfm (m³/min) | 3,602 (102) |

ENGINE

| | | Standby |
|--------------------------|----------------|-------------|
| Rated Engine Speed | RPM | 1,800 |
| Horsepower at Rated kW** | hp | 1,528 |
| Piston Speed | ft/min (m/min) | 2,067 (630) |
| BMEP | psi (kPa) | 297 (2,048) |

EXHAUST

| | | Standby |
|---|--------------|-------------|
| Exhaust Flow (Rated Output) | cfm (m³/min) | 9,534 (270) |
| Maximum Allowable Backpressure (Post Turbo) | inHg (kPa) | 1.7 (5.9) |
| Exhaust Temperature (Rated Output - Post Turbo) | °F (°C) | 932 (500) |

** Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.

Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN6271 standards.

Standby - See Bulletin 0187500SSB

Prime - See Bulletin 0187510SSB

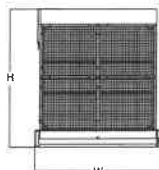
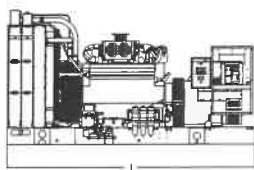
MD1000 | 37.1L | 1,000 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

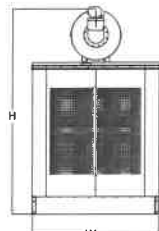
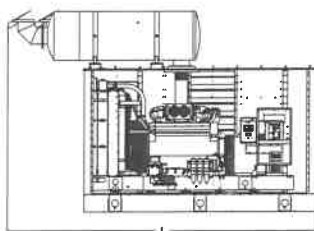
GENERAC INDUSTRIAL POWER

DIMENSIONS AND WEIGHTS*



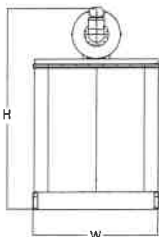
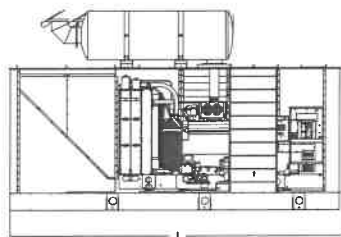
OPEN SET

| Run Time - Hours | Usable Capacity - Gal (L) | L x W x H - in (mm) | Weight - lbs (kg) |
|------------------|---------------------------|---|-------------------|
| No Tank | - | 180.0 (4,572) x 90.0 (2,286) x 98.0 (2,489) | 23,338 (10,586) |
| 12 | 950 (3,596) | 201.0 (5,105) x 104.0 (2,642) x 122.0 (3,099) | 25,666 (11,642) |
| 24 | 1,900 (7,192) | 201.0 (5,105) x 104.0 (2,642) x 137.0 (3,480) | 27,216 (12,345) |



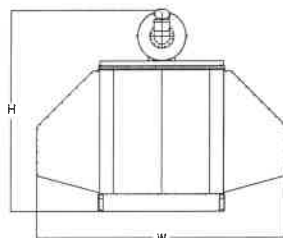
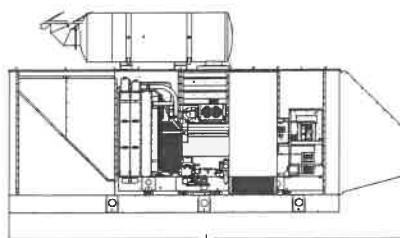
WEATHER PROTECTED ENCLOSURE

| Run Time - Hours | Usable Capacity - Gal (L) | L x W x H - in (mm) | Weight - lbs (kg) |
|------------------|---------------------------|---|---|
| No Tank | - | 172.0 (4,369) x 110.0 (2,794) x 172.0 (4,369) | Steel - 5,310 (2,409) Aluminum - 4,115 (1,866) |
| 12 | 950 (3,596) | 201.0 (5,105) x 110.0 (2,794) x 174.0 (4,420) | |
| 24 | 1,900 (7,192) | 201.0 (5,105) x 110.0 (2,794) x 189.0 (4,801) | |



LEVEL 1 SOUND ATTENUATED ENCLOSURE

| Run Time - Hours | Usable Capacity - Gal (L) | L x W x H - in (mm) | Weight - lbs (kg) |
|------------------|---------------------------|---|---|
| No Tank | - | 288.0 (7,315) x 110.0 (2,794) x 172.0 (4,369) | Steel - 8,405 (3,812) Aluminum - 7,210 (3,270) |
| 12 | 950 (3,596) | 288.0 (7,315) x 117.0 (2,972) x 169.0 (4,293) | |
| 24 | 1,900 (7,192) | 288.0 (7,315) x 117.0 (2,972) x 193.0 (4,902) | |



LEVEL 2 SOUND ATTENUATED ENCLOSURE

| Run Time - Hours | Usable Capacity - Gal (L) | L x W x H - in (mm) | Weight - lbs (kg) |
|------------------|---------------------------|---|---|
| No Tank | - | 339.0 (8,611) x 217.0 (5,512) x 172.0 (4,369) | Steel - 9,530 (4,323) Aluminum - 6,478 (2,938) |
| 12 | 950 (3,596) | 339.0 (8,611) x 217.0 (5,512) x 169.0 (4,293) | |
| 24 | 1,900 (7,192) | 339.0 (8,611) x 217.0 (5,512) x 178.0 (4,521) | |

* All measurements are approximate and for estimation purposes only.

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Quote

Proc Folder: 1187605

Doc Description: Construction Marshall County Readiness Center Generator, AT

Reason for Modification:

Addendum No. 3

Proc Type: Central Purchase Order

| Date Issued | Solicitation Closes | Solicitation No | Version |
|-------------|---------------------|-------------------------|---------|
| 2023-03-30 | 2023-04-11 13:30 | CRFQ 0603 ADJ2300000018 | 4 |

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code:

Vendor Name :

Address :

Street :

City :

State :

Country :

Zip :

Principal Contact :

Vendor Contact Phone:

Extension:

FOR INFORMATION CONTACT THE BUYER

David H Pauline
304-558-0067
david.h.pauline@wv.gov

Vendor
Signature X

FEIN#

DATE

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

Addendum No. 3

- 1) To respond to additional vendor questions, see attached.
- 2) To move bid opening date & time to April 11, 2023, at 1:30 pm est.

No other changes.

INVOICE TOADJUTANT GENERALS
OFFICE
1707 COONSKIN DRCHARLESTON
US

WV

SHIP TOADJUTANT GENERALS
OFFICE
1600 SOUTH LAFAYETTE
AVENUEMOUNDSVILLE
US

WV

| Line | Comm Ln Desc | Qty | Unit Issue | Unit Price | Total Price |
|------|---|-----|------------|------------|-------------|
| 1 | Marshall County Readiness Center Generator & ATS Install | | | | |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|--------------|---------------|---------|
| 72000000 | | | |

Extended Description:

Contract Item #1- Lump Sum Price for purchase and installation of a new 1000Kw natural gas generator and a 1000AMP automatic transfer switch for the Marshall County Readiness Center, per the attached documentation.

SCHEDULE OF EVENTS

| <u>Line</u> | <u>Event</u> | <u>Event Date</u> |
|-------------|--|-------------------|
| 1 | Mandatory Pre-Bid Meeting at 10:30 am est. | 2023-03-08 |
| 2 | Technical Questions Due By Noon | 2023-03-13 |
| 3 | Technical Questions Due by 10:00 am est. | 2023-03-27 |

SOLICITATION NUMBER: CRFQ ADJ2300000018
Addendum Number: 3

The purpose of this addendum is to modify the solicitation identified as ("ADJ2300000018") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- ☐ Modify bid opening date and time.
- ☐ Modify specifications of product or service being sought.
- ☒ Attachment of vendor questions and responses.
- ☐ Attachment of pre-bid sign-in sheet.
- ☐ Correction of error.
- ☐ Other.

Description of Modification to Solicitation:

1. To respond to additional vendor technical questions, see attached page.
2. To move bid opening date and time to April 11, 2023, 1:30pm.
3. No other changes.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.



DEPARTMENT OF THE ARMY
JOINT FORCES HEADQUARTERS WEST VIRGINIA
1707 COONSKIN DRIVE
CHARLESTON, WEST VIRGINIA 25311-1026

March 30, 2023

ADDENDUM NO. 3- CRFQ-ADJ2300000018

RE: Construction – Marshall County Readiness Center Generator & ATS
West Virginia Adjutant Generals Office
Moundsville, WV

TO: Prospective Bidders

FROM: West Virginia Adjutant Generals Office

NOTE: This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents.

PART 1 – INFORMATION FOR BIDDERS

Bid Opening Date moved to April 11, 2023 @ 1:30 pm EST.

PART 2 – VENDOR QUESTIONS AND RESPONSES

Question No. 1: How will we get paid for bonds, insurance and materials purchased before the notice to proceed is issued?

Response No. 1: If your company is the low bidder and is awarded the contract, the agency is willing to discuss all available options to legally provide payment for those items.

Question No. 2: Please provide duration of tests, as previously requested?

Response No. 2: Allow 8 hours for startup, 4 hours for load bank testing and programming.

Question No. 3: Where is said annunciator to be located?

Response No. 3: Annunciator shall be located in the Mechanical room.

END OF ADDENDUM

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFO ADJ2300000018

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.



Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input checked="" type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Universal Engineering & Contracting LLC

 
Company
Authorized Signature

4/10/2023

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

EXHIBIT C

CRFQ ADJ23*18

WEST VIRGINIA ARMY NATIONAL GUARD

Marshall County Readiness Center Located in Moundsville, WV

1000kw Emergency Generator & 1000amp ATS Purchase & Installation

Division 1 - General Requirements

00200 Instructions to Bidders

- Any and all contractual documents, information and procedures distributed by, or by any other means conveyed, by WV State Purchasing or the office of; supersedes the language in this document.

01100 Summary

The scope of work for this project is to perform the installation of emergency backup generator for the Marshall County Readiness Center, located at Moundsville, WV. The requirements for this project are as follows:

Work to be performed:

Project consists of the purchase and installation of one 1000kw natural gas generator with a 1000 AMP automatic transfer switch, supplied by contractor. Setup, testing, and training on generator by contractor. Contractor to provide all labor and material for installation. Installation notes are as follows:

1. Installation

- a. Provide and install 1000kw natural gas-powered generator with 1000 AMP automatic transfer switch.
- b. Generator & ATS (automatic transfer switch) must meet or exceed attached specifications.
- c. Provide Level 3 Sound Attenuated Enclosure (Steel only) as part of the 1000kw generator purchase.
- d. Install on existing concrete pad outside of Mechanical Room. (Modify existing pad to meet requirements for generator.)
- e. Provide connection from existing gas line to Generator.
- f. Provide conduits and wiring needed to connect ATS (automatic transfer switch) to generator and to building MDP (main distribution panel)
- g. Field verify all measurements for conduits and gas line.
- h. Seal all penetrations per code.
- i. Install ATS (automatic transfer switch) in mechanical room.
- j. Connect ATS (automatic transfer switch) to MDP (main distribution panel), and to generator.

- k. Provide testing to confirm proper operation of generator and ATS (automatic transfer switch).
- l. Provide and install fence enclosure, 9' of 2x2 chain-link fabric w/1' of 3 strand barb wire around generator, adding service access to generator consisting of a 6' double swing gate on parking lot side. (See attached specifications)
- m. Repair all disturbed areas.
- n. Clean up all debris daily.
- o. Dispose of excess materials offsite.
- p. Provide an extended 5-year parts and labor warranty on generator and ATS (automatic transfer switch).

01300 Administrative Requirements

PROJECT COORDINATION

- Coordinate construction activities included in Contract Documents to assure efficient and orderly installation of each part of the Work.
- Where availability of space is limited, coordinate installation of different components to assure maximum accessibility for required maintenance, service, and repair.
- Where necessary prepare memoranda for distribution to each party involved outlining special procedures required for coordination. Include such items as required notices, reports, and attendance at meetings. Prepare similar memoranda for Owner and separate Contractors where coordination of their Work is required.

ADMINISTRATIVE PROCEDURES

- Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and ensure orderly progress of the Work. Such administrative activities include, but are not limited to:
 - Preparing of schedules.
 - Delivering and processing submittals.
 - Progress meetings.
 - Project Close-out activities.

CONSERVATION

- Coordinate construction activities to ensure that operations are carried out with consideration given to conservation of energy, water, and materials.

PROGRESS MEETINGS

- Contractor will conduct progress meetings at site agreed upon by the Owner/Owner's Representative at regularly scheduled intervals, generally bi-weekly.
- Progress meeting minutes are to be provided by the contractor within 3 business day of conclusion of the meeting. The meeting minutes shall be approved at the next meeting.
- The progress agenda shall include:
 - Review and correct or approve minutes of previous progress meeting.
 - Review and discuss old business.
 - Review and discuss new business.
 - Review and discuss contractor's issues and concerns.
 - Review and discuss owner's issues and concerns.
 - Review and discuss progress since last meeting.
 - Review where each activity is in relation to Contractor's Construction Schedule, whether on time or ahead or behind schedule, will be determined.
 - Contractor to present a new updated schedule at each progress meeting; to include a two week look ahead.
- Contractor shall provide meeting minutes of each progress meeting within three days after each progress meeting date. Contractor will distribute copies of minutes of meeting to the Owner.

GENERAL RESPONSIBILITIES

- The successful contractor is responsible for providing all parts, labor, equipment, and materials required to provide a finished fully functional product as described in the objectives.
- The contractor is responsible for the cost and obtaining of all required permits.
- The contractor is responsible to ensure all work is in compliance with all Federal, State, Local Municipalities, State Fire Marshall and ATRP requirements.
- Contractor is responsible for all permits; the contractor shall obtain all required permits prior to initiation of any work. The contractor shall be responsible for the associated costs of permitting.
- Contractor is responsible for field verifying all distances and quantities of materials and components necessary for completion.
- The contractor is responsible for cleaning up the work site and repairing the site to original conditions once work is completed.
- Contractor responsible for keeping the work site clean daily, free from excess debris and safety hazards.
- Contractor responsible for providing waste disposal for the project; contractor is responsible for removing all construction waste debris off site at the contractor's expense.
- All materials shall be submitted and approved by the WVARNG prior to installation.
- The West Virginia Army National Guard reserves the right to claim removed equipment from the project. A list of equipment to be retained will be provided to the contractor prior to beginning work. Contractor to make every effort to remove these items without damage.
- The contractor will provide a schedule of values broken down per line item with material and labor.

- Owner has 7 business days to review and respond to Requests For Information (RFI)s.
- Owner has 14 business days to review and respond to contract submittals.
- Owner has 14 business days to review and respond to review drawings.

SITE ACCESS REQUIREMENTS

- Access and general protection/security policy and procedures. This standard language is for contractor employees with an area of performance within Army controlled installation, facility, or area. Contractor and all associated sub-contractors' employees shall provide all information required for background checks to meet installation access requirements.
- Contractor is responsible for coordinating with the Owner/Owner's Representative, for access and deliveries. The Owner requires two (2) business days' notice to approve access to the facility.

01400 Quality Requirements

- The successful contractor will be required to provide a one-year warranty on all parts, labor and materials on the entire project.

01500 Temporary Facilities and Controls

- The successful contractor will be required to provide their own temporary facilities. The West Virginia Army National Guard will provide an area for the contractor to have a lay down area, and a place for a job trailer.
- The West Virginia Army National Guard will make every effort to provide electric and water for the contractor's lay down and job trailer site; however, it is not guaranteed.

01700 Execution Requirements

- Within 30 days of the government Final Acceptance of the project; the contractor shall be responsible to provide any and all field notes, as-built drawings, or any other associated records to the Owner.

Division 2 - Site Construction

02073 PARTIAL DEMOLITION FOR REMODELING

GENERAL DEMOLITION

- Review, confirm and coordinate all demolition work and full extent of Owner's requirements prior to starting demolition work.
- Deliver salvageable materials requested by Owner.
- Perform all demolition in a manner acceptable to the Owner and regulatory agencies.
- Protect and maintain conduits, drains, sewers, pipes, and wires that are to remain on the property.

- Protect existing construction indicated to remain.
- Where existing construction is damaged by demolition operations, make repairs equal to or better than condition prior to start of demolition work.

CLEANING

- Promptly remove materials, rubbish, and debris from building and from property.

SALVAGEABLE MATERIALS

- Review with Owner at Preconstruction meeting about salvaged materials the Owner wishes to retain from building renovation project.
- Remove with care materials to be retained by Owner and store on site where directed for pickup by owner.

HANDLING

- Deliver materials and other components so they will not be damaged or deformed.
- Exercise care in unloading, storing, and erecting materials to prevent bending, warping, twisting, and surface damage.
- Stack materials on platforms/pallets, covered with suitable weathertight ventilated covering.

WARRANTY

- Furnish manufacturer's written warranty covering materials installed. This warranty shall be in addition to and not a limitation of other rights the Owner may have against the Contractor under the Contract Documents.

PRODUCTS

- Will be in accordance with attached specifications.

INSTALLATION

- General: Comply with manufacturers' instructions and recommendations for installation, as applicable to project.

MG1000 | 49.0L | 1,000 kW

INDUSTRIAL SPARK-IGNITED GENERATOR SET

EPA Certified Stationary Emergency and Non-Emergency

GENERAC | INDUSTRIAL
POWER

DEMAND RESPONSE READY

Standby Power Rating

1,000 kW, 1,250 kVA, 60 Hz

Demand Response Rating

1,000 kW, 1,250 kVA, 60 Hz



*Assembled in the USA using domestic and foreign parts

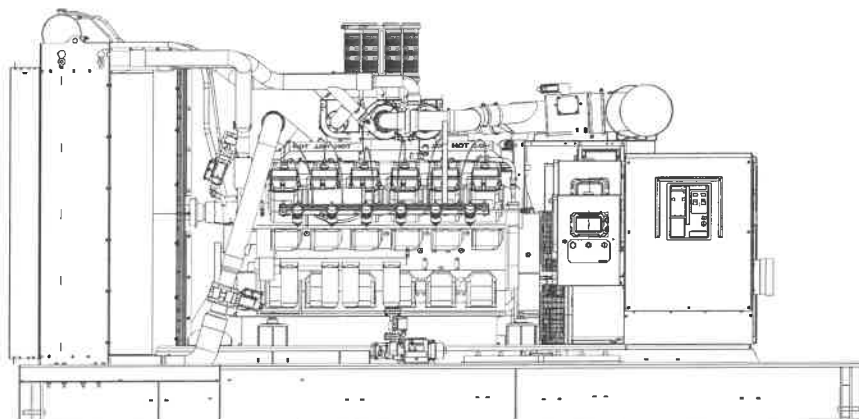


Image used for illustration purposes only

Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.



UL2200, UL6200, UL1236, UL489



CSA C22.2, B149



BS5514 and DIN 6271



SAE J1349



NFPA 37, 70, 99, 110



NEC700, 701, 702, 708



ISO 3046, 7637, 8528, 9001



NEMA ICS10, MG1, 250, ICS6, AB1



ANSI C62.41

Powering Ahead

Generac ensures superior quality by designing and manufacturing most of its generator components, such as alternators, enclosures, control systems and communications software. Generac also makes its own spark-ignited engines, and you'll find them on every Generac gaseous-fueled generator. We engineer and manufacture them from the block up — all at our facilities throughout Wisconsin. Applying natural gas and LP-fueled engines to generators requires advanced engineering expertise to ensure reliability, durability and necessary performance. By designing specifically for these dry, hotter-burning fuels, the engines last longer and require less maintenance. Building our own engines also means we control every step of the supply chain and delivery process, so you benefit from single-source responsibility.

Plus, Generac Industrial Power's distribution network provides all parts and service so you don't have to deal with third-party suppliers. It all leads to a positive owner experience and higher confidence level. Generac spark-ignited engines give you more options in commercial and industrial generator applications as well as extended run time from utility-supplied natural gas.

MG1000 | 49.0L | 1,000 kW

INDUSTRIAL SPARK-IGNITED GENERATOR SET

EPA Certified Stationary Emergency and Non-Emergency

GENERAC | INDUSTRIAL
POWER

STANDARD FEATURES

DEMAND RESPONSE READY

ENGINE SYSTEM

- Oil Drain System
- Heavy Duty Air Cleaner
- Level 1 Fan and Belt Guards (Open Set Only)
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Silencer/Catalyst
- Coolant Heater Ball Valves
- Oil Temperature Sender with Indication Alarm

FUEL SYSTEM

- NPT Fuel Connection on Frame
- Primary and Secondary Fuel Shutoff

COOLING SYSTEM

- Closed Coolant Recovery System
- Factory-Installed Radiator
- 50/50 Ethylene Glycol Antifreeze
- Radiator Drain Extension

ELECTRICAL SYSTEM

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

ALTERNATOR SYSTEM

- UL2200 GENprotect™
- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Permanent Magnet Excitation
- Sealed Bearing
- Amortisseur Winding
- Temperature Rise < (120 °C)
- Motorized Main Line Circuit Breaker

GENERATOR SET

- Spring Isolators Under Frame
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Standard Factory Testing
- 2 Year Limited Warranty (Standby or Demand Response Rated Units)
- Ready to Accept Full Load in <10 Seconds

ENCLOSURE (If Selected)

- Structural Steel Sub-Base
- Sub-Base Lifting Eyes
- Enamel Finish
- Zinc Plated Fasteners
- Zinc Plated Cast Aluminum Keylock Door Handles
- Heavy Duty Stainless Steel Hinges
- Modular Construction
- Rhino Coat™ - Textured Polyester Powder Coat Paint

CONTROL SYSTEM



Power Zone® Pro Sync Controller

- NFPA 110 Level 1 Compliant
- Engine Protective Functions
- Alternator Protective Functions
- Digital Engine Governor Control
- Digital Voltage Regulator
- Multiple Programmable Inputs and Outputs
- Remote Display Capability
- Remote Communication via Modbus® RTU, Modbus TCP/IP, and Ethernet 10/100
- Alarm and Event Logging with Real Time Stamping
- Expandable Analog and Digital Inputs and Outputs

- Remote Wireless Software Update Capable
- BMS and Remote Telemetry
- Built-In Programmable Logic Eliminates the Need for External Controllers Under Most Conditions
- Ethernet Based Communications Between Generators
- Programmable I/O Channel Properties
- Built-In Diagnostics
- Arc Flash Maintenance Mode (When Properly Equipped)

Alarms and Warnings

- Low Oil Pressure
- Low Coolant Level
- High/Low Coolant Temperature
- Sensor Failure
- Oil Temperature
- Over/Under Speed
- Over/Under Voltage
- Over/Under Frequency
- Over/Under Current
- Over Load
- High/Low Battery Voltage
- Battery Charger Current
- Phase to Phase and Phase to Neutral Short Circuits (I²T Algorithm)

7 Inch Color Touch Screen Display

- Resistive Color Touch Screen
- Sunlight Readable (1400 NITS)
- Easily Identifiable Icons
- Multi-Lingual
- On Screen Editable Parameters
- Key Function Monitoring
- Three Phase Voltage, Amperage, kW, kVA, and kVAr
- Selectable Line to Line or Line to Neutral Measurements
- Frequency
- Engine Speed
- Engine Coolant Temperature
- Engine Oil Pressure
- Engine Oil Temperature
- Battery Voltage
- Hourmeter
- Warning and Alarm Indication
- Diagnostics
- Maintenance Events/Information

CONTROLS

- Auto-Synchronization Process
- Isochronous Load Sharing
- Reverse Power Protection

- Maximum Power Protection
- Electrically Operated, Mechanically Held Paralleling Switch
- Sync Check System
- Independent On-Board Paralleling

- Optional Programmable Logic Full Auto Back-Up Controls (PLS)
- Shunt Trip and Auxiliary Contact

MG1000 | 49.0L | 1,000 kW

INDUSTRIAL SPARK-IGNITED GENERATOR SET

EPA Certified Stationary Emergency and Non-Emergency

GENERAC® | INDUSTRIAL
POWER

CONFIGURABLE OPTIONS

DEMAND RESPONSE READY

ENGINE SYSTEM

- Engine Coolant Heater
- Oil Heater
- Level 1 Fan and Belt Guards (Enclosed Units Only)
- Two Stage Air Cleaner
- Air Filter Restriction Indicator
- Radiator Stone Guard (Open Set Only)
- Baseframe Cover/Rodent Guard

ELECTRICAL SYSTEM

- 20A UL Listed Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM

- Alternator Upsizing
- Anti-Condensation Heater

FUEL SYSTEM

- NPT Flexible Fuel Line

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- Electronic Trip Breakers
- Shunt Trip and Auxiliary Contacts

GENERATOR SET

- Spring Vibration Isolator
- Extended Factory Testing
- 24 Position Load Center

ENCLOSURE

- Level 0 Sound Attenuated
- Level 1 Sound Attenuated
- Level 2 Sound Attenuated
- Level 2 Sound Attenuated with Motorized Dampers
- Steel Enclosure
- Aluminum Enclosure
- AC/DC Enclosure Lighting Kit
- Enclosure Heater (With Motorized Dampers Only)
- Up to 180 MPH Wind Load Rating (Contact Factory for Availability)

CONTROL SYSTEM

- NFPA 110 Level 1 Compliant 21-Light Remote Annunciator
- Remote Output Relays (8 or 16)
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- 10A Engine Run Relay
- Ground Fault Annunciator
- 100 dB Alarm Horn
- 120V GFCI and 240V Outlets
- Permissive/Load Shed Module
- Damper Alarm Contacts (With Motorized Dampers Only)

WARRANTY (Standby Gensets Only)

- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

ENGINEERED OPTIONS

CONTROL SYSTEM

- Battery Disconnect Switch
- Additional Spare Inputs/Outputs

GENERATOR SET

- Special Testing
- Battery Box

ALTERNATOR SYSTEM

- Unit Mounted Load Banks
- Medium Voltage Alternators

ENCLOSURE

- Door Open Alarm Horn

MG1000 | 49.0L | 1,000 kW
INDUSTRIAL SPARK-IGNITED GENERATOR SET
EPA Certified Stationary Emergency and Non-Emergency



APPLICATION AND ENGINEERING DATA

DEMAND RESPONSE READY

ENGINE SPECIFICATIONS

General

| | |
|------------------------------------|-----------------------------------|
| Make | Generac |
| Cylinder # | 12 |
| Type | V |
| Displacement - in ³ (L) | 2,992 (49.03) |
| Bore - in (mm) | 6.69 (170) |
| Stroke - in (mm) | 7.09 (180) |
| Compression Ratio | 10.0:1 |
| Intake Air Method | Turbocharged/Aftercooled |
| Number of Main Bearings | 7 |
| Number of Connecting Rods | 12 |
| Cylinder Head | 4 Valve |
| Cylinder Liners | Yes |
| Ignition | MotorTech |
| Piston Type | Cast Aluminum Alloy |
| Crankshaft Type | Chromium Molybdenum Steel SCM440H |
| Lifter Type | Solid |
| Intake Valve Material | Proprietary Alloy |
| Exhaust Valve Material | Proprietary Alloy |
| Hardened Valve Seats | Proprietary Alloy |

Engine Governing

| | |
|-------------------------------------|------------|
| Governor | Electronic |
| Frequency Regulation (Steady State) | ±0.25% |

Lubrication System

| | |
|---|-----------------------------|
| Oil Pump Type | Gear Driven |
| Oil Filter Type | Full Flow Spin-On Cartridge |
| Crankcase Capacity with Filter - qt (L) | 285 (270) |

Cooling System

| | |
|------------------------|--|
| Cooling System Type | Forced Circulation by Centrifugal Pump |
| Fan Type | Pusher |
| Fan Speed - RPM | 1,025 |
| Fan Diameter - in (mm) | 76 (1,930) |

Fuel System

| | |
|---|---------------------|
| Fuel Type | Natural Gas |
| Carburetor | Variable Venturi |
| Secondary Fuel Regulator | Standard |
| Fuel Shut Off Solenoid | Standard |
| Operating Fuel Pressure - in H ₂ O (kPa) | 14 - 28 (3.5 - 7.0) |

Engine Electrical System

| | |
|----------------------------|------------------------------|
| System Voltage | 24 VDC |
| Battery Charger Alternator | Standard |
| Battery Size | See Battery Index 0161970SBY |
| Battery Voltage | (4) - 12 VDC |
| Ground Polarity | Negative |

ALTERNATOR SPECIFICATIONS

| | |
|-------------------------------------|-------------|
| Standard Model | K1248064N22 |
| Poles | 4 |
| Field Type | Rotating |
| Insulation Class - Rotor | H |
| Insulation Class - Stator | H |
| Total Harmonic Distortion | <5% |
| Telephone Interference Factor (TIF) | <50 |

| | |
|------------------------------------|------------------|
| Standard Excitation | Permanent Magnet |
| Bearings | Single |
| Coupling | Flexible Plates |
| Prototype Short Circuit Test | Yes |
| Voltage Regulator Type | Full Digital |
| Number of Sensed Phases | All |
| Regulation Accuracy (Steady State) | ±0.5% |

MG1000 | 49.0L | 1,000 kW

INDUSTRIAL SPARK-IGNITED GENERATOR SET

EPA Certified Stationary Emergency and Non-Emergency



OPERATING DATA

DEMAND RESPONSE READY

POWER RATINGS

| | Standby/Demand Response | |
|--------------------------------|-------------------------|-------------|
| Three-Phase 277/480 VAC @0.8pf | 1,000 kW/1,250 kVA | Amps: 1,505 |
| Three-Phase 346/600 VAC @0.8pf | 1,000 kW/1,250 kVA | Amps: 1,204 |

MOTOR STARTING CAPABILITIES (skVA)

| skVA vs. Voltage Dip | |
|----------------------|-------|
| 277/480 VAC | 30% |
| K1248064N22 | 3,300 |
| K1344064N22 | 4,000 |
| K1500064N22 | 4,500 |

FUEL CONSUMPTION RATES*

Natural Gas – scfh (m³/hr) at Standard Conditions 68 °F (20 °C), 14.7 psi (101 kPa)

| Percent Load | Standby/Demand Response |
|--------------|-------------------------|
| 25% | 3,418 (96.8) |
| 50% | 6,021 (170.5) |
| 75% | 8,655 (245.1) |
| 100% | 11,243 (318.4) |

* Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

| | Standby/Demand Response | |
|---|-----------------------------|----------------|
| Air Flow (Fan Air Flow Across Radiator) - Open Set | cfm (m³/min) | 57,846 (1,638) |
| Coolant Flow | gpm (Lpm) | 489 (1,850) |
| Coolant System Capacity | gal (L) | 80 (303) |
| Maximum Operating Ambient Temperature | °F (°C) | 122 (50) |
| Maximum Operating Ambient Temperature (Before Derate) | See Bulletin No. 0199270SSD | |
| Maximum Additional Radiator Backpressure | in H ₂ O (kPa) | 0.5 (0.12) |

COMBUSTION AIR REQUIREMENTS

| | Standby/Demand Response |
|------------------------------------|-------------------------|
| Flow at Rated Power - cfm (m³/min) | 2,205 (62.4) |

ENGINE

EXHAUST

| Standby/Demand Response | | | Standby/Demand Response | | |
|--------------------------|----------------|-------------|--|--------------|-------------|
| Rated Engine Speed | RPM | 1,800 | Exhaust Flow (Rated Output) | cfm (m³/min) | 8,500 (241) |
| Horsepower at Rated kW** | hp | 1,467 | Maximum Allowable Backpressure (Post Silencer) | inHg (kPa) | 0.73 (2.49) |
| Piston Speed | ft/min (m/min) | 2,126 (648) | Exhaust Temperature (Rated Output) | °F (°C) | 1,458 (792) |
| BMEP | psi (kPa) | 216 (1,488) | | | |

** Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.

Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN6271 standards.

Standby - See Bulletin 0187500SSB

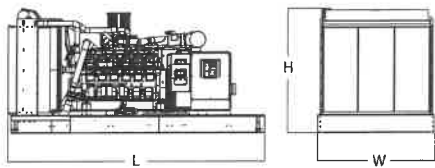
Demand Response - See Bulletin 10000018250

MG1000 | 49.0L | 1,000 kW
INDUSTRIAL SPARK-IGNITED GENERATOR SET
EPA Certified Stationary Emergency and Non-Emergency

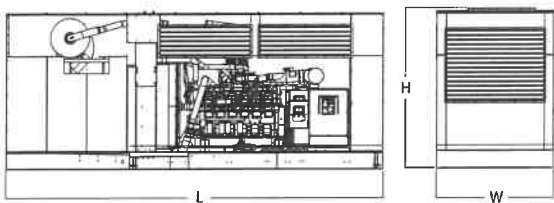


DIMENSIONS AND WEIGHTS*

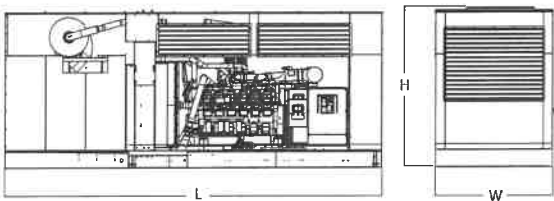
DEMAND RESPONSE READY



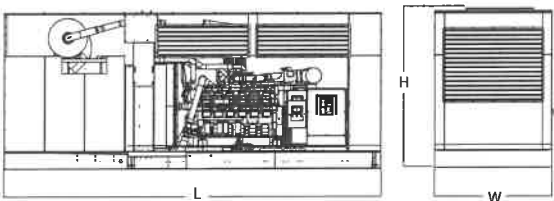
| | | |
|---------------------|---|--|
| OPEN SET | | |
| L x W x H - in (mm) | 220.3 (5,597) x 102.0 (2,590) x 108.1 (2,745) | |
| Weight - lbs (kg) | 22,798 - 24,495 (10,334 - 11,114) | |



| | | |
|---|---|--|
| LEVEL 0 SOUND ATTENUATED ENCLOSURE | | |
| L x W x H - in (mm) | 329.3 (8,356) x 105.8 (2,688) x 136.9 (3,477) | |
| Weight - lbs (kg) | Steel - 26,558 - 28,256 (12,050 - 12,820) | |
| | Aluminum - 24,092 - 25,789 (10,931 - 11,701) | |



| | | |
|---|---|--|
| LEVEL 1 SOUND ATTENUATED ENCLOSURE | | |
| L x W x H - in (mm) | 329.3 (8,356) x 105.8 (2,688) x 136.9 (3,477) | |
| Weight - lbs (kg) | Steel - 27,801 - 29,499 (12,614 - 13,384) | |
| | Aluminum - 25,337 - 27,034 (11,496 - 12,266) | |



| | | |
|---|---|--|
| LEVEL 2 SOUND ATTENUATED ENCLOSURE | | |
| L x W x H - in (mm) | 329.3 (8,356) x 105.8 (2,688) x 136.9 (3,477) | |
| Weight - lbs (kg) | Steel - 29,697 - 31,394 (13,474 - 14,244) | |
| | Aluminum - 26,279 - 27,976 (11,923 - 12,693) | |

* All measurements are approximate and for estimation purposes only.

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

TX301 Series Transfer Switch

800 - 1000 Amps

Service Entrance Rated · Contactor Type · Open and Delayed Transition

GENERAC | **INDUSTRIAL
POWER**

- Automatic Transfer Switch
- 800 – 1000A up to 600V VAC, 60 Hz, 100% current rated
- Single or Three Phase
- 2, 3 or 4 Poles
- NEMA 1 or 3R
- Open and Inphase or Open with Delayed Transition
- ETL Listed to UL 1008
- High Withstand and Closing Ratings



Image used for illustration purposes only

Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.



cETL Listed



NFPA 70, 99, 110



NEC 700, 701, 702, 708

Description

Generac's contactor type transfer switches are double-throw robust switch construction to ensure safe positive transfer between power sources. The contacts are silver composite for long life, resisting pitting or burning. The switches are rated for full load transfers in mission critical, emergency, legally required, and optional power systems.

The microprocessor based controller provides the customers with the flexibility to program a comprehensive group of set points to match the application needs. The controller has two programmable inputs and one programmable output as standard and is available with an optional expansion board for up to four programmable inputs and outputs. The LCD displays real time and historical information with time-stamped events. The integrated plant exerciser can be configured in off, daily, day of week, biweekly, and monthly intervals with user selectable run time. Standard features of the controller include three phase sensing on both sources, phase unbalance, phase reversal, load shed, emergency inhibit, and communications.

TX301 Series Transfer Switch

800 - 1000 Amps

Service Entrance Rated · Contactor Type · Open and Delayed Transition

GENERAC | **INDUSTRIAL
POWER**

STANDARD FEATURES

GENERAL

- Floor Mounted, Wall Secured
- Cable Entry is Top or Bottom
- Double-Throw, Stored Energy Transfer Mechanism
- Can be electrically isolated while energized
- Graphical LCD-Based Display for Programming, System Diagnostics, and Help Menu Display Mimic
- Diagram with Source Available and Connected LED Indicator
- Method of Transfer: Open with Inphase Transition
- Mechanically Interlocked to Prevent Connection of Both Sources
- Modbus® RTU Communications
- TXC 100 Controller
- Operating Temperature: -4° to 158°F (-20° to 70°C)
- Removable Top and Bottom Plates for Ease of Entry
- Voltage Agnostic*
- High Withstand and Closing Ratings
- Heater Kit Standard on all 3R Enclosures
- Auxiliary Output Includes: Two Wire Start, Signal Before Transfer, Fault, and a Programmable Relay Output
- Auxiliary Input Includes: Permissive Inputs (24VDC)
- General Alarm Indication
- 2 Year Standard Warranty

VOLTAGE AND FREQUENCY SENSING

- Three Phase Under and Over Voltage Sensing on Normal and Emergency Sources
- Under and Over Frequency Sensing on Normal and Emergency
- Selectable Settings: Single or Three Phase Voltage
- Sensing on Normal and Emergency 60 Hz
- Phase Sequence Sensing for Phase Sensitive Loads

START CIRCUIT

- 2-wire Start
- 3-wire Start from C Contact for Circuit Monitoring

DIGITAL OUTPUTS

- Switch Position Indication (4 Form C)
- Signal Before Transfer (Elevator)
- General Alarm
- Programmable Output

DIGITAL INPUTS

- Emergency Inhibit (Permissive & Load Shed)
- Go to Emergency
- Manual Generator Retransfer

CONTROLS

- Front Programmable Control Reduces PPE Needs and Arc Flash Hazard
- Built in Battery Backup – Increases Switch Reliability and Reduces Switch Transition Time to Alternate Source
- Battery Backup Able to Power the Controller for up to 60 Minutes in the Event of No Source Availability
- Generator Battery Backup for Controller
- Accessible USB Port for Easy Data Downloads, Firmware Updates without Requiring PPE, Reducing the Risk of Arc Flash
- All Amp Nodes Offered with Delayed Transition
- Heater Programmable through Control for Desired Temperature and Humidity Settings
- Front Accessible Customer Connections
- Time-Stamped Event History Log
- Programmable Exerciser – Daily, Weekly, Biweekly, Monthly

* 480 V 3-Wire Systems and all 600 V systems must be specified at time of ordering for Transformer Kit to be included

AVAILABLE OPTIONS

- Time Delay in Neutral Transition (TDN) or Inphase with a Default to Time Delay in Neutral Transfer
- Remote Annunciator
- Chicago Code Kit
- 3R Padlockable Cover for Controller (Standard on 3R Enclosure)
- CTs for Integrated Metering
- Heater Option for Temperature and Humidity Control (Standard on 3R Enclosure)
- Expandable Input/Output Board Module Includes: 4 Relay Outputs and 4 Optically Isolated Inputs
- 2 Year Extended Limited Warranty
- 5 Year Basic Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

Engineered Options

- Transient Voltage Surge Suppressor (TVSS)
- Manual Generator Retransfer Switch
- Go to Emergency Switch

Conversion Kits

- 480 V Transformer Kit for 3-Wire Systems
- 600 V Transformer Kit
- NEMA Type 1 to 3R Kit

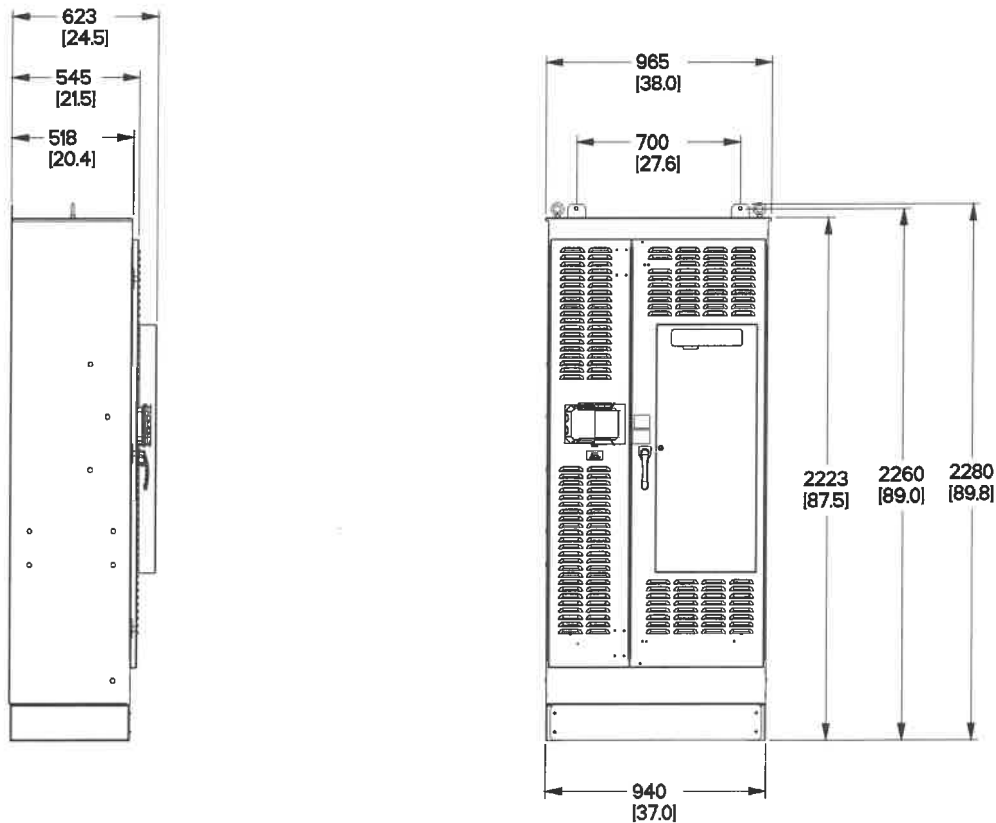
TX301 Series Transfer Switch

800 - 1000 Amps

Service Entrance Rated · Contactor Type · Open and Delayed Transition

GENERAC INDUSTRIAL
POWER

UNIT DIMENSIONS*



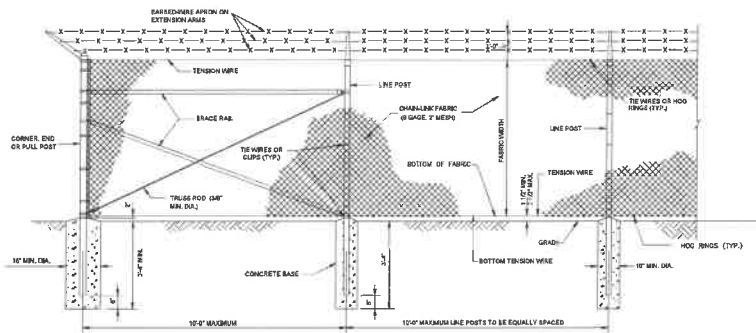
Service Entrance Rated, Contactor Type, Open and Delayed Transition, 800 - 1000 A

| Description | Cu/Al | | | | | | | | lbs (kg) |
|----------------------|----------------------|---|---------------------------------------|---|----------------------------------|--|---------------------------------|---|--------------|
| | Normal 75 °C Wire | Normal Wire Lug Torque lb/in (Nm) | Standby/ Load Source 75 °C Wire | Standby/Load Wire Lug Torque lb/in (Nm) | Neutral Connection | Neutral Wire Lug Torque lb/in (Nm) | Ground Connection | Ground Wire Lug Torque lb/in (Nm) | |
| 800A SER NEMA 1 | (4) 500 - 4/0 | 375 (42.4) | (4) 750 - 4 | 620 (70) | (9) 600 - 4 or (18) 250 - 1/0 | 375 (42.4) | (4) 600 - 4 or (8) 250 - 1/0 | 375 (42.4) | 990 (449) |
| 800A SER NEMA 3R | (4) 500 - 4/0 | 375 (42.4) | (4) 750 - 4 | 620 (70) | (9) 600 - 4 or (18) 250 - 1/0 | 375 (42.4) | (4) 600 - 4 or (8) 250 - 1/0 | 375 (42.4) | 992 (450) |
| 1000A SER NEMA 1 | (4) 500 - 4/0 | 375 (42.4) | (4) 750 - 4 | 620 (70) | (9) 600 - 4 or (18) 250 - 1/0 | 375 (42.4) | (4) 600 - 4 or (8) 250 - 1/0 | 375 (42.4) | 990 (449) |
| 1000A SER NEMA 3R | (4) 500 - 4/0 | 375 (42.4) | (4) 750 - 4 | 620 (70) | (9) 600 - 4 or (18) 250 - 1/0 | 375 (42.4) | (4) 600 - 4 or (8) 250 - 1/0 | 375 (42.4) | 992 (450) |

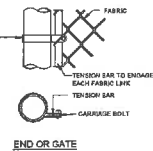
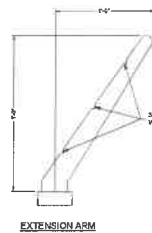
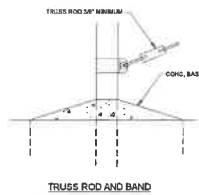
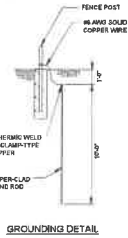
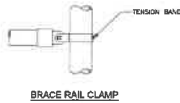
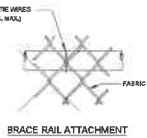
UL 1008 Withstand and Closing Ratings

| Ampere Rating | Service Entrance (kA) | Fuse Rating (kA, Max Fusing Rating, Class) |
|---------------|-----------------------|---|
| 800 | 100 | 200 kA, 4000A, L |
| 1000 | 100 | 200 kA, 4000A, L |

* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.



NOTE: GATE WILL BE MANUAL.
ELEVATION



STEEL POST SCHEDULE

| USE AND SECTION | MINIMUM OUTSIDE DIMENSIONS (NOMINAL) | | |
|---|--------------------------------------|----------------------------|--------------------------------|
| | FABRIC WIDTH 72" OR LESS | FABRIC WIDTH 84" TO 96" | FABRIC WIDTH 108" & OVER |
| CORNER, END & FULL POST TUBULAR - ROUNDS | 2.375" O.D. | 2.975" O.D. | 4.000" O.D. |
| LINE POST TUBULAR - ROUNDS | 1.900" O.D. | 2.375" O.D. | 2.875" O.D. |
| TOP, BOTTOM & BRACE RAILS TUBULAR - ROUNDS | 1.625" O.D. | | |

LINE AND TERMINAL POSTS

| FABRIC HEIGHT | TYPE POST | "A" DIA | "B" DEPTH | "C" POST EMBEDMENT |
|---------------|-----------|----------------|-----------|--------------------|
| | | 6'-0" TO 8'-0" | LINE | 12" |
| | TERMINAL | 12" | 38" | 36" |

NOTE: TERMINAL POSTS INCLUDE END, CORNER, AND FULL POSTS

NOTE: TENSION POSTS INCLUDE END, CORNER, AND FULL POSTS

- NOTES:
- UNLESS OTHERWISE SHOWN OR SPECIFIED THE FENCE SHALL BE THE STANDARD PRODUCT OF A CHAIN LINK MFG. & ALL SHALL PARTS & ACCESSORIES SHALL BE THE STANDARD OF THE MFG.
 - GATE CONSTRUCTION SHOWN OR INFORMATION AS TO TYPE AND DIMENSIONS USED ON THE LAYOUT PLANS IN SO FAR AS POSSIBLE GATES SHALL BE OF THE MANUFACTURER'S STANDARD AND DESIGN.
 - AT CONTRACTOR'S OPTION A WELDED HORIZONTAL BRACE MAY BE USED IN LIEU OF TENSION RODS TO BRACE ALL WELDED GATE FRAMES.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER RIGID CONSTRUCTION OF ALL GATES SUPPLIED.
 - WHERE GATE INSTALLATIONS ARE REQUIRED ON THE CONTRACT DRAWINGS, THE CONTRACTOR SHALL HAVE THE OPTION OF SUGGESTING VARIATIONS IN THESE GATES, PROVIDING THE VARIATION IS CLEARLY SHOWN ON DRAWINGS SUBMITTED FOR APPROVAL AND ACCOMPANIED BY AN EXPLANATION FOR THE VARIATION.
 - WHERE GATE POST BASES ARE CONCRETE WALKS, CURBS, OR CONTRACTOR SHALL COORDINATE INSTALLATION & PLACE A 1/2\"/>
 - DETAILS SHOWN ARE TO CLARIFY REQUIREMENTS AND ARE NOT INTENDED TO LIMIT OTHER TYPE OF FENCE SECTIONS AND METHODS OF INSTALLATION.
 - SPRING GATES SHALL BE CONSTRUCTED WITH DROP ROLLS, PROUDING LEVER ASSEMBLY AND GATE KEYPINS EXCEPT AS NOTED.
 - ALL GATE FRAMES SHALL BE A MINIMUM 1/2\"/>
 - CONSTRUCTION OF SHALL BE ASSEMBLED USING HEAVY FITTINGS AT CONTRACTOR'S OPTION.
 - GATE HARDWARE AND HINGE PINS SHALL BE WELDED OR OTHERWISE SECURED TO PREVENT REMOVAL.

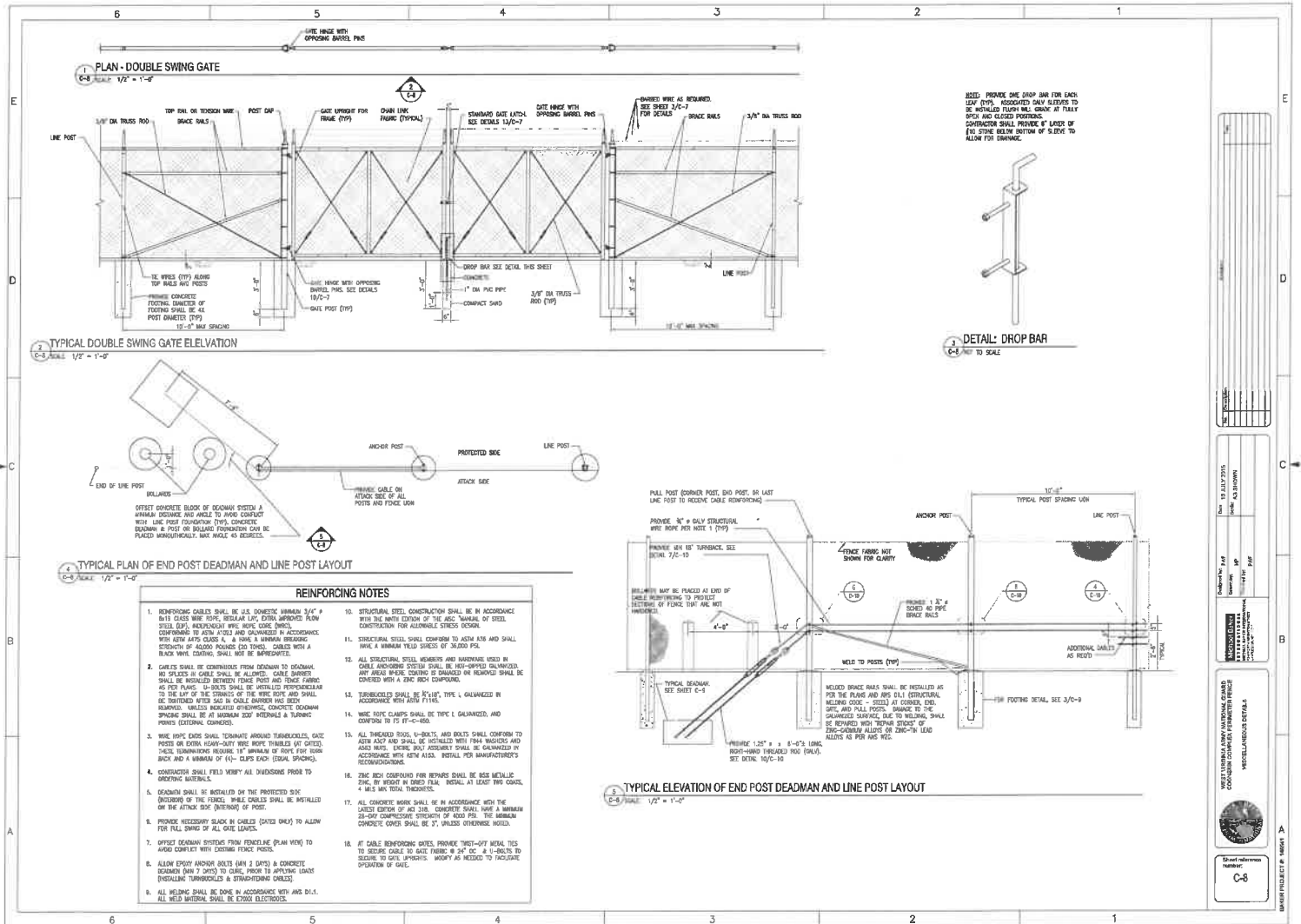


Exhibit A
CRFQ ADJ23*18
Pricing Page

ALL LABOR, MATERIALS, EQUIPMENT, AND SUPPLIES NECESSARY TO PROVIDE FOR THE
PURCHASE & INSTALLATION OF A NEW 1000Kw NATURAL GAS GENERATOR & 1000AMP
AUTOMATIC TRANSFER SWITCH:

MARSHALL COUNTY READINESS CENTER
1600 South Lafayette Avenue, Moundsville, WV 26041

The undersigned, hereafter called the Vendor, being familiar with and understanding the bidding documents;
and being familiar with the site and all local conditions affecting the Project, hereby proposes to furnish labor,
material, equipment, supplies, and transportation to perform the work as described in the bidding documents.

VENDOR COMPANY NAME: Universal Engineering & Contracting LLC

VENDOR ADDRESS: 400 Airport Road Ste 7

Elkins WV 26241

TELEPHONE: 304-636-0011

FAX NUMBER: 304-621-6030

E-MAIL ADDRESS: pat@uec.global

CONTRACT TOTAL BID AMOUNT: COST: PURCHASE & INSTALLATION OF A NEW 1000Kw
NATURAL GAS GENERATOR & 1000AMP AUTOMATIC TRANSFER SWITCH: **at the Marshall County
Readiness Center, in Moundsville, WV.**

Fourhundred eighty seven thousand nine hundred dollars

(\$ \$487,900.00)

(Contract bid to be written in words and numbers.)

Failure to use this bid form may result in bid disqualification.

SIGNATURE: 

DATE: 4/10/2023

NAME: Patrick Smith

(Please Print)

TITLE: President