

GREENEVILLE ENERGY AUTHORITY

INVITATION TO BID BEAD FIBER HUT STANDBY GENERATORS - GREENE PAU 1-3

BEAD Project No. CM61-BEAD-TN-0062

1. Invitation to Bid

Greeneville Energy Authority (GEA) is requesting sealed electronic competitive bids for the furnishing and delivery of 100 kW diesel standby generator sets, with start-up and load bank testing, for seven (7) of GEA's Broadband Equity, Access, and Deployment (BEAD) fiber hut sites, including Greene PAU 1. Site quantities for Greene PAU 1, Greene PAU 2, and Greene PAU 3 are included in the Bid Schedule.

The procurement is expected to exceed \$100,000 and is therefore subject to GEA's competitive procurement procedures and Board approval. GEA intends to seek a minimum of three competitive bids and advertise the solicitation in appropriate media.

Bid Advertisement Date	September 24, 2026
Deadline for Questions	October 15, 2026
Bid Due Date and Time	October 21, 2026
Bid Opening	October 22, 2026
GEA Contact	Chris Gass, Senior Network Engineer – cgass@mygea.net
Delivery Location(s)	[GEA SITE LOCATION(S) - F.O.B. JOB SITE]
Bid Submission Email	purchasing@mygea.net

Electronic Sealed-Bid Procedure. SEALED ELECTRONIC BID SUBMISSION: Bids must be submitted by email as a password-encrypted electronic file to the email address identified in this solicitation no later than the stated bid deadline. The password must NOT be included in the bid-submission email. After the bid deadline, when GEA begins processing and opening the bids, GEA will contact the bidder and request the password. The bidder shall promptly provide the password only upon GEA's request. Bids that cannot be opened when requested may be deemed non-responsive. Bid contents must remain inaccessible to GEA until the formal bid-opening process.

2. Scope of Supply

The successful bidder shall furnish and deliver seven (7) new diesel-fueled engine generator sets rated 100 kW standby, 120/240 VAC single phase, complete with sound-attenuated enclosure, sub-base fuel tank, batteries and charger, jacket water heater, main line circuit breaker, and local annunciation, meeting all requirements of this Invitation to Bid.

The successful bidder shall also provide factory-authorized start-up and NFPA 110 load bank testing at each of the seven (7) sites, together with operation and maintenance documentation and GEA personnel orientation.

Scope boundary

- Equipment is to be furnished loose for installation by others. Concrete pad, anchoring, conduit, field wiring, lugs, fuel, fuel piping, and miscellaneous installation hardware are by others unless expressly included in the bid.
- Automatic transfer switches are not included in this RFP. Transfer switches are furnished with the fiber hut buildings under a separate GEA RFP. Bidders shall state any interface, control wiring, or compatibility requirement between the proposed generator control system and a 400 A, 240 VAC, single phase automatic transfer switch.
- Offloading and setting the units at each site are by others. The bidder shall state the rigging, access, and crane requirements for the proposed unit so that GEA can arrange offloading.

3. Mandatory Technical Requirements

Engine-generator set

- **Rating:** 100 kW standby, 120/240 VAC, single phase, 60 Hz.
- **Fuel:** Diesel.
- **Listing:** Generator set shall be UL 2200 listed.
- **Emissions:** Engine shall be certified by the manufacturer for stationary emergency standby service in accordance with 40 CFR 60 Subpart IIII. The bidder shall furnish the emissions certification with the bid.
- **Alternator and Regulation:** Permanent magnet excitation with automatic voltage regulation. The bidder shall state steady-state voltage regulation, transient response, and motor-starting capability.
- **Jacket Water Heater:** Thermostatically controlled jacket water heater sized for the site ambient conditions.
- **Starting System:** Starting batteries, battery rack, and cables, with a float-type battery charger.
- **Vibration Isolation:** Vibration isolation as required by the manufacturer for the proposed mounting arrangement.

Control system and annunciation

- **Controller:** Microprocessor-based generator set controller, Deep Sea or approved equal, providing automatic/off/manual operation, cranking control, engine protective shutdowns, and local display of voltage, current, frequency, engine hours, and active faults.
- **Local Annunciator:** Local annunciator meeting NFPA 110 requirements shall be included.
- **Remote Annunciator:** A remote annunciator shall be priced as a separate option in the Bid Schedule. The bidder shall state the wiring, cable type, and maximum distance supported.
- **Dry Contacts:** Form C dry contacts for generator running, common alarm, and not-in-auto, landed on an accessible terminal block for GEA monitoring.
- **Local Network Monitoring:** The bidder shall state what network or serial monitoring the proposed controller supports for integration with GEA's on-site monitoring (Ethernet, Modbus, SNMP, or equivalent) and shall price any required module as an option. This requirement is in addition to, and not satisfied by, the telematics platform below.
- **Telematics Platform:** Each generator set shall be furnished with the manufacturer's telematics and remote monitoring platform, made available to GEA. Caterpillar VisionLink with Product Link hardware is the basis of design. An equivalent manufacturer-supported platform providing the functions below is acceptable.
- **Telematics Hardware:** Telematics hardware shall be factory- or dealer-installed and shall be activated and reporting at the time of start-up. The bidder shall state the hardware model, the cellular or satellite connectivity used, expected coverage at rural sites, and any antenna, mounting, or GEA-provided network requirement.
- **Telematics Functions:** The platform shall provide, at minimum, remote visibility of generator run status and run hours, fault and alarm conditions, engine operating parameters, starting battery voltage, fuel level, exercise and start history, and maintenance interval tracking, with configurable alarm notification by email or text message.

- **Telematics Subscription:** The bidder shall include not less than five (5) years of platform subscription with each unit and shall price annual renewal beyond that term as a separate option in the Bid Schedule. The bidder shall state what access and historical data GEA retains if the subscription lapses.
- **Telematics Access and Data:** Platform access shall be provided to GEA-designated users at no additional per-user cost. Operating data generated by GEA-owned units shall remain the property of GEA. The bidder shall state available data export, API, or third-party integration options.

Enclosure and fuel system

- **Enclosure:** Sound-attenuated, weather-protective, corrosion-resistant enclosure with lockable access doors and lifting provisions. The bidder shall state the sound level in dB(A) at 23 feet at full standby load.
- **Fuel Tank:** Sub-base fuel tank sized for a minimum of 24 hours of runtime at 100 percent standby load, UL 142 listed, of double-wall or secondary-containment construction.
- **Tank Accessories:** Fuel level gauge, low-fuel alarm contact, overfill protection, leak detection, emergency vent, and lockable fill.
- **Weight and Dimensions:** The bidder shall furnish overall dimensions, dry and wet operating weight, and required service clearances with the bid.

Electrical

- **Main Breaker:** One (1) 600 A main line circuit breaker, sized for the full standby output of the set.
- **Load Connections:** Load lugs or terminal provisions suitable for the conductors serving a 400 A, 120/240 VAC single-phase service. The bidder shall state the lug range provided.
- **Grounding:** Grounding lug provisions at the set and at the enclosure.
- **Short Circuit:** The bidder shall state the available short circuit current contribution of the proposed set at the terminals.

Testing, start-up, and documentation

- **Factory Test:** Factory test report for each unit shall be furnished at delivery.
- **Field Start-up:** Start-up shall be performed by a factory-authorized technician and shall include NFPA 110 load bank testing at the site.
- **Documentation:** Operation and maintenance manuals, wiring diagrams, and as-shipped drawings shall be furnished for each unit.
- **Training:** The successful bidder shall provide on-site orientation for GEA personnel covering normal operation, exercise, alarm response, and routine maintenance.
- **Warranty:** Minimum two (2) year standard manufacturer warranty from the date of start-up. The bidder shall state the warranty term offered and what it covers.

Submittals and material

- **Technical Submittals:** Manufacturer specification sheets, dimensional and weight drawings, one-line and control wiring diagrams, sound data, emissions certification, and fuel consumption data must be submitted with the bid. The bidder shall state the submittal review period required before release to production.
- **New Material:** All equipment must be new, current-production material and free from defects.

4. Basis-of-Design Requirements

GEA's existing standby generator installations are the basis of design. Alternate manufacturers may be considered only when the bidder demonstrates, through manufacturer data submitted with the bid, that the proposed generator set meets all mandatory requirements and provides performance acceptable to GEA for the intended usage.

Parameter	Reference Requirement
Basis-of-design unit	Caterpillar C4.4GC
Rating	100 kW standby
Voltage	120/240 VAC, single phase, 60 Hz
Fuel	Diesel
Listing	UL 2200
Alternator / regulation	Permanent magnet, automatic voltage regulation
Control system	Deep Sea or approved equal
Annunciation	Local annunciator and remote annunciator furnished with each set
Enclosure	Sound attenuated
Fuel tank	Sub-base, 24-hour runtime at full standby load
Main breaker	One (1) 600 A
Telematics platform	Caterpillar VisionLink with Product Link, or approved equal, activated at start-up
Telematics subscription	Minimum five (5) years included with each unit
Accessories	Jacket water heater, starting batteries, battery charger
Warranty	Two (2) years minimum
Start-up	Factory-authorized start-up plus NFPA 110 load bank testing

Reference values above identify the basis of design and do not, by themselves, authorize a deviation from the mandatory requirements.

5. Build America, Buy America (BABA) / BEAD Compliance

All equipment furnished for incorporation into the BEAD-funded project must comply with all applicable Build America, Buy America requirements and applicable U.S. Department of Commerce BEAD requirements, unless a valid federal waiver applies.

- Bidder must identify the manufacturer and exact product/part number proposed for each item.
- The successful bidder must provide manufacturer documentation satisfactory to GEA demonstrating BABA compliance before material is accepted for the project.
- GEA may require documentation identifying the product, manufacturing location, quantity, applicable domestic manufacturing requirement, and certification by an authorized manufacturer representative.
- No substitution of an awarded product may be made without prior written approval from GEA and verification of continued BABA compliance.

6. Delivery Requirements

Bidders shall state proposed lead time from approved submittals, earliest available delivery date, and anticipated delivery schedule. Partial deliveries may be accepted when coordinated with GEA.

Delivery shall be f.o.b. the job site identified in Section 1. Offloading and setting are by others. Bidders shall state the rigging, access, and crane requirements for the proposed unit, including shipping weight and lifting point locations.

Bidders shall state the scheduling lead time required for start-up and load bank testing after the units are set and connected by others.

7. Greene PAU 1-3 Bid Schedule

Item	Est. Qty	Manufacturer	Model / Part No.	Unit Price	Extended Price	Lead Time
BASE BID						
100 kW standby generator set, as specified	7					
Factory-authorized start-up and NFPA 110 load bank testing	7					
Freight / delivery, f.o.b. job site	7					
Base bid subtotal						
OPTIONS - price each separately						
Network / serial monitoring module, if required	7					
Telematics subscription renewal, per unit per year after included term	7					
TOTAL BASE BID						

Options shall be priced separately and shall not be included in the total base bid. GEA reserves the right to accept or reject any option.

8. Bid Submission Requirements

- Completed bid schedule with unit price for each item and each option offered.
- Manufacturer name, model, and exact product/part number for the generator set and each major component offered.
- Manufacturer specification sheets, dimensional and weight drawings, one-line and control wiring diagrams, and required service clearances.
- EPA emissions certification for stationary emergency standby service, sound data in dB(A) at 23 feet, and fuel consumption data at 50, 75, and 100 percent load.
- Telematics platform documentation, including hardware model, connectivity method, included subscription term, renewal cost, available data points, user access model, and data export or API capability.
- Statement of the submittal review period required before release to production.
- Statement of interface and compatibility with a 400 A, 240 VAC, single phase automatic transfer switch furnished by others.
- Written identification of all exceptions or deviations from the bid specifications. If none are stated, the bid will be understood to comply with the specifications.
- Proposed lead times, delivery schedule, freight terms, and delivery costs.
- Completed and signed BABA Certification Letter (Exhibit A), together with supporting manufacturer compliance documentation, or a clear statement of the status and timing of manufacturer certification.
- Bidder contact information and authorized signature.
- Electronic sealed bid submitted as a password-encrypted file. The password shall not be included with the bid and shall be provided only after the bid deadline when requested by GEA.

9. Evaluation and Award

GEA intends to award to the lowest responsive and responsible bidder offering products that meet GEA's specifications, subject to GEA Board approval. GEA reserves the right to reject any or all bids, waive minor informalities when permitted, request clarification, and make an award in the best interest of GEA.

If GEA selects a bid other than the lowest competitive price meeting specifications, the basis for that selection will be documented in accordance with GEA procurement policy.

GEA may award by individual unit, by group of units, or as a total award if the final advertised solicitation and bid schedule expressly provide for that method of award.

10. Procurement and Records

This procurement is subject to GEA purchasing and procurement procedures and applicable BEAD grant requirements. Procurement, bid, evaluation, award, purchase, receiving, BABA, and supporting grant records must be maintained as required by applicable GEA policy and grant requirements.

11. Bidder Certification

By signing below, the bidder certifies that the information submitted is accurate, that the bidder has reviewed the specifications, and that the products offered comply with the requirements except for any deviations expressly identified in the bid.

Company	
Authorized Representative	
Title	
Signature	
Date	

EXHIBIT A

BUILD AMERICA, BUY AMERICA (BABA) CERTIFICATION LETTER

Greeneville Energy Authority

BEAD Fiber Hut Standby Generators – CM61-BEAD-TN-0062

The undersigned manufacturer or authorized supplier certifies that the standby generator products identified below and proposed for furnishing to Greeneville Energy Authority (GEA) comply with the applicable Build America, Buy America (BABA) requirements for the Broadband Equity, Access, and Deployment (BEAD) Program, including any applicable U.S. Department of Commerce requirements and waivers.

The certifying party further certifies that the information provided in this certification and supporting manufacturer documentation is true and accurate to the best of its knowledge and that GEA may rely upon this certification for BEAD compliance, procurement, receiving, audit, and grant closeout purposes.

Item	Manufacturer	Product / Part No.	Manufacturing Location	BABA Status / Applicable Waiver
Engine-generator set				
Alternator				
Sound-attenuated enclosure				
Sub-base fuel tank				
Generator set controller				
Local / remote annunciator				
Starting batteries and charger				
Main line circuit breaker				
Telematics hardware (Product Link or equivalent)				
Other (specify)				

Supporting documentation sufficient to demonstrate compliance shall be attached to this certification. No product substitution may be made after award without prior written approval from GEA and documentation establishing continued BABA compliance.

Company / Manufacturer	
Authorized Representative	
Title	
Signature	
Date	
Email / Phone	