

GREENEVILLE ENERGY AUTHORITY

INVITATION TO BID BEAD FIBER OPTIC CABINETS - 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 288-port fiber distribution hub (FDH) cabinets and 1x32 optical splitters for GEA's Broadband Equity, Access, and Deployment (BEAD) projects, including Greene PAU 1. Combined estimated 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 29, 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 WAREHOUSE
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 manufacture, furnish, and deliver new 288-port outdoor hub cabinets and 1x32 optical splitters meeting all requirements of this Invitation to Bid. Cabinets shall be suitable for installation on GEA's electric distribution system and shall comply with the mandatory requirements below.

GEA is currently deploying the Charles OHC3-288-PL-CG cabinet, which is the basis of design. Estimated quantities are shown in the Bid Schedule.

3. Mandatory Technical Requirements

288-Port Outdoor Hub (FDH) Cabinet

- **Cabinet Type:** Cabinet shall be a 288-port outdoor hub cabinet suitable for pole or wall mounting on GEA's electric distribution system.
- **Feed Side:** Twenty-four (24) SC/APC adapters with shutters.
- **Feed Stub:** One (1) 24-fiber preconnectorized OSP all-dielectric loose-tube fiber cable, SC/APC to stub, with a 100-foot tail.
- **Distribution Side:** Two hundred eighty-eight (288) SC/APC adapters.
- **Splitter Holder:** One (1) splitter holder accommodating a minimum of twenty-two (22) splitters.
- **Bend Control Management:** Integral bend radius control and routing management for all feed, splitter, and distribution fibers.
- **Lifting Provisions:** Two (2) lift hooks.
- **Mounting Hardware:** One (1) wall mount bracket and one (1) pole mount bracket furnished with each cabinet.

1x32 Optical Splitters

- **Split Ratio:** 1x32 PLC splitters.
- **Optical Fiber:** All single-mode optical fiber must comply with ITU-T G.657.A1.
- **Connectors:** SC/APC.
- **Input Pigtail:** 2 mm, blue.
- **Output Pigtail:** 2 mm, yellow.
- **Compliance:** Splitters shall comply with Telcordia GR-1221-CORE and GR-1209-CORE.
- **Form Factor:** Splitters shall be dimensionally compatible with the splitter holder furnished in the proposed cabinet.

Submittals and Material

- **Technical Submittals:** Manufacturer technical data sheets for the proposed cabinet, splitters, and preconnectorized stub cable must be submitted with the bid.
- **New Material:** All equipment must be new, current-production material and free from defects.

4. Basis-of-Design Requirements

GEA's existing cabinet designs 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 cabinet meets all mandatory requirements and provides mechanical performance acceptable to GEA for the intended installation.

Item	Reference Product / Requirement
288-port outdoor hub cabinet	Charles OHC3-288-PL-CG
Feed adapters	24 x SC/APC with shutters
Feed stub	24-fiber preconnectorized OSP dielectric loose tube, 100 ft tail
Distribution adapters	288 x SC/APC
Splitter holder capacity	Minimum 22 splitters
Splitters	1x32 PLC, SC/APC, ITU-T G.657.A1

Item	Reference Product / Requirement
Mounting	Pole and wall mount brackets; two lift hooks

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 production lead times, earliest available delivery date, and anticipated delivery schedule. Partial deliveries may be accepted when coordinated with GEA.

Bidders shall state packaging, palletizing, and freight terms. Delivery shall be to the location identified in Section 1 unless otherwise coordinated with GEA.

7. Greene PAU 1-3 Combined Bid Schedule

Item	Est. Qty	Manufacturer	Part No.	Unit Price	Extended Price	Lead Time
288-port FDH cabinet	103					
1x32 splitters	206					
Freight / Delivery						
TOTAL BID						

8. Bid Submission Requirements

- Completed bid schedule with unit price for each item offered.
- Manufacturer name and exact product/part number for each item offered.
- Manufacturer technical data sheets for the cabinet, splitters, and preconnectorized stub cable.

- 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 item, by group of items, 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 Optic Cabinets – CM61-BEAD-TN-0062

The undersigned manufacturer or authorized supplier certifies that the fiber optic cabinet and splitter 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
288-port FDH cabinet				
Preconnectorized feed stub cable				
Mounting hardware (pole / wall)				
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	