

GREENEVILLE ENERGY AUTHORITY

INVITATION TO BID BEAD AERIAL POLE ATTACHMENT HARDWARE - 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 aerial pole attachment hardware, consisting of dielectric tangent supports and dielectric dead-end assemblies for all-dielectric self-supporting (ADSS) fiber optic cable, 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 30, 2026
Deadline for Questions	October 15, 2026
Bid Due Date and Time	October 21, 2026 2:00pm Eastern
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 furnish and deliver new dielectric tangent supports and dielectric dead-end assemblies, sized to GEA's ADSS fiber optic cable, for installation in the communication space on wood distribution poles. Hardware shall be supplied in the fiber counts and cable diameters identified in Section 4 and priced in the Bid Schedule.

GEA's ADSS cable is OFS (now Lightera) product, furnished under GEA's separate fiber optic cable solicitation, in 48, 96, 144, and 288 fiber counts. The bidder shall confirm that the hardware offered is rated for the specific cable diameter, jacket type, and cable system loading of each fiber count listed.

3. Mandatory Technical Requirements

General - all hardware

- **Cable Contact:** All components that bear on or grip the cable jacket shall be dielectric. Metallic fittings are acceptable only on the pole side of the attachment.
- **Application:** Hardware shall be suitable for installation in the communication space on round wood distribution poles.
- **Loading District:** Hardware shall be rated for the loading conditions applicable to GEA's service territory under the National Electrical Safety Code. Bidders shall state the NESC loading district on which published ratings are based. GEA territory is considered NESC Medium.
- **Environment:** Hardware shall be rated for continuous outdoor service and ultraviolet exposure over a minimum temperature range of -40°C to 65°C.
- **Identification:** Each assembly shall be color coded or marked to identify the cable diameter range for which it is intended, and shall carry an identification tag or marking stating the product description and application.
- **Packaging:** Hardware shall be furnished as complete kits, packaged per unit and clearly marked with the catalog number and cable diameter range.

Tangent supports (suspension)

- **Function:** Support ADSS cable at tangent locations without damaging the jacket or inducing fiber strain.
- **Span Rating:** Minimum 300 feet under NESC Heavy loading. Bidders shall state the maximum span rating of the product offered.
- **Line Angle:** Minimum 20 degrees for permanent installations and 10 degrees during stringing operations.
- **Construction:** Housing shall be a high-strength dielectric material. Cable inserts shall be a soft, pliable dielectric material that grips and cushions the cable within the housing. Inserts shall be sized and color coded to the cable diameter.
- **Insert Capacity:** Housing shall accept a second insert set so that two cables may be supported at a single attachment, and shall be stackable with additional housings to add cables within the same pole space.
- **Stringing Use:** Housing shall be of abrasion-resistant construction suitable for use as a stringing traveler at the structure, accepting a mechanical swivel of at least 1-1/4 inch diameter with the top insert removed.
- **Mounting:** Support shall mount with a 5/8 inch through bolt or with 3/4 inch wide high-strength steel banding. The bidder shall state which mounting hardware, if any, is included and shall price the balance separately in the Bid Schedule.

Dead-end assemblies

- **Function:** Terminate ADSS cable at dead-end and corner locations, transferring axial tensile load to the cable's internal strength members and distributing radial compressive force without damaging the jacket or the optical fibers.
- **Construction:** Two-component design consisting of dielectric structural reinforcing rods applied beneath a dielectric formed-wire dead-end, sized and length-matched to the cable diameter and tension class.
- **Rod Ends:** Rod ends shall be flared or otherwise treated to prevent damage to the cable sheath. Colored crossover marks shall identify where dead-end contact begins and shall identify the cable diameter range.
- **Tension Class:** Minimum limited-tension rating of 1,000 lb (4.4 kN) maximum installation tension and 2,500 lb (11.1 kN) maximum loaded tension, with a maximum span rating of not less than 600 feet. The bidder shall state the tension class, maximum installation tension, maximum loaded tension, and maximum span rating of each assembly offered.
- **Jacket Compatibility:** The bidder shall confirm in writing that the dead-end offered is approved by its manufacturer for the jacket type of the GEA cable identified in Section 4, and shall identify any fiber count for which a higher tension class or a track-resistant-compatible product is required.

- **Attachment Fittings:** Each dead-end shall be furnished complete with a thimble clevis and a 14 inch extension link of not less than 12,500 lb rated strength, to provide proper cable bend radius at the pole. Fittings shall be galvanized ductile iron, aluminum, or equivalent corrosion-resistant material.
- **Banding Bracket:** A banding bracket kit for attachment to non-wood structures shall be available and shall be priced separately in the Bid Schedule.

Submittals and material

- **Technical Submittals:** Manufacturer catalog data for each assembly offered, including cable diameter range, tension and span ratings, line angle limits, materials of construction, component content of each catalog number, and installation instructions, must be submitted with the bid.
- **Compatibility Statement:** A written statement confirming compatibility of each assembly with the corresponding GEA cable diameter and jacket type listed in Section 4.
- **New Material:** All hardware must be new, current-production material and free from defects.

4. Basis-of-Design Requirements

GEA's existing aerial hardware practice is the basis of design. The table below identifies GEA's cable by fiber count and nominal outer diameter, together with the reference tangent support and dead-end for each. Alternate manufacturers may be considered only when the bidder demonstrates, through manufacturer data submitted with the bid, that the proposed hardware meets all mandatory requirements and is rated for the cable diameter, jacket type, and cable system loading of the corresponding fiber count.

GEA Cable	Fiber Count	Nominal OD	Tangent Support	Dead-End Assembly
AT-XXX17NT-048-CLGA	48	0.459"	PLP FIBERLIGN Lite Support 4800305	PLP FIBERLIGN Limited Tension 2872003C1E1
AT-XXX17NT-096-CLGA	96	0.579"	PLP FIBERLIGN Lite Support 4800308	PLP FIBERLIGN Limited Tension 2872007C1E1
AT-XXX17NT-144-CLGA	144	0.729"	PLP FIBERLIGN Lite Support 4800310	PLP FIBERLIGN Limited Tension 2872010C1E1
AT-XXX27NT-288-CLCB	288	0.921"	PLP FIBERLIGN Lite Support 4800313	PLP FIBERLIGN Limited Tension 2872014C1E1

Reference catalog numbers above identify the basis of design and do not, by themselves, authorize a deviation from the mandatory requirements. Reference dead-end catalog numbers include a thimble clevis and a 14 inch extension link; they do not include a banding bracket kit. Reference tangent support catalog numbers include one insert set; they do not include through-bolt or banding hardware.

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
TANGENT SUPPORTS						
Tangent support, 48ct cable (0.459")	3900					
Tangent support, 96ct cable (0.579")	5600					
Tangent support, 144ct cable (0.729")	5800					
Tangent support, 288ct cable (0.921")	2000					
DEAD-END ASSEMBLIES						
Dead-end with thimble clevis and extension link, 48ct cable (0.459")	5400					
Dead-end with thimble clevis and extension link, 96ct cable (0.579")	4300					
Dead-end with thimble clevis and extension link, 144ct cable (0.729")	6500					
Dead-end with thimble clevis and extension link, 288ct cable (0.921")	650					
Freight / Delivery						
TOTAL BID						

8. Bid Submission Requirements

- Completed bid schedule with unit price for each item offered.
- Manufacturer name and exact catalog number for each tangent support, dead-end, and accessory offered, with a statement of what each catalog number includes.
- Manufacturer catalog data showing cable diameter range, tension and span ratings, line angle limits, and materials of construction.
- Written confirmation of compatibility with the cable diameter and jacket type of each fiber count listed in Section 4, and identification of any fiber count requiring a higher tension class.
- Installation instructions for each assembly offered.
- 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 hardware type, 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 Aerial Pole Attachment Hardware – CM61-BEAD-TN-0062

The undersigned manufacturer or authorized supplier certifies that the aerial pole attachment hardware 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
Tangent supports (all sizes)				
Tangent support insert sets				
Dead-end assemblies (all sizes)				
Structural reinforcing rods				
Thimble clevises				
Extension links				
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	