

**Greenville Energy Authority fiber optic cable bid**

Greenville Energy Authority (GEA) is requesting bids for the following footages and fiber counts for ADSS (All Dielectric Self Supporting) cable:

<b>Count Fiber</b>	<b>Footage (Feet)</b>
48	560,000
96	300,000
144	500,000
288	660,000

GEA intends upon starting construction **July 1<sup>st</sup>**. 288 count fiber will be needed starting on July 1<sup>st</sup> of 2024 with an estimated total footage needed of 240,000 ft for the month of July. Perspective manufacturer may send partials, but GEA anticipates the installation of upwards of 60,000ft of fiber per week at the start of construction.

GEA prefers that the perspective manufacturer fiber optic cable is in compliance with the Build America, Buy America (BABA) Act.

The following are specifications for the fiber optic cable that GEA prefers that the perspective manufacturer meets. Alternates to below specifications may be accepted. **Manufacturer must provide spec sheets for any cable submitted for bid.**

- **Cable length marking:** Feet
- **Additional Print on cable:** GEA Connect (if available in standard cost).
- **Single Mode Fiber type:** G.657.A1 is preferred, but G652.D will be accepted.
- **Jacketing:** Single Jacket is preferred, but Double Jacket will be accepted.
- **Reel Size:** 20,000ft reels are preferred, but smaller may be accepted.
- **Installation Sag:** 1.5%
- **NESC Loading Conditions:** NESC Medium
- **Maximum Span lengths for project:** 450ft
- **Gel-Filled cable:** Dry type is preferred, but Gel type will be accepted.
- **Fibers per buffer tube:** 12 fibers per buffer tube is preferred, but 24 fibers per buffer tube will be accepted

GEA is currently using the following PLP pole attachment hardware with specified Outside Diameters (OD). GEA prefers to use the following hardware, but will accept other diameters of cable:

<b>Count Fiber</b>	<b>PLP Tangent Hardware</b>	<b>PLP Deadend Hardware</b>	<b>Outside Diameter (inches)</b>
48ct	4450100A	2872004C1E1	0.482
96ct	4450100A	2872004C1E1	0.482
144ct	4450103A	2872009C1E1	0.665
288ct	4450104A	2872011C1E1	0.746

Greeneville Energy Authority requests that bids be emailed to the following: [purchasing@mygea.net](mailto:purchasing@mygea.net)

**Bids are to be encrypted with password protection.** A representative from GEA will ask for the passwords after the bid closes.

**Bids are due no later than Friday, May 10<sup>th</sup>, at 3PM EST to be accepted.**

If you have any questions, please contact Chris Gass:

[cgass@mygea.net](mailto:cgass@mygea.net)