

## SPECIFICATION FOR ATTACHMENTS TO AUSTIN ENERGY (AE) DISTRIBUTION POLES

1. Request approval of the attachments and routes for cables or additional cables on AE poles via the AE Infrastructure application process.
2. After receiving approval from AE, the attaching entity must notify AE 24 to 48 hours prior to the placing of strands or cables on poles, for new or old routes. **THIS INCLUDES ANY OVERLASHING.**
3. Attach at the assigned place on pole. The first entity attaching to the pole will place their cable on the same side of the pole as AE's neutral wire. Other cables will attach on the same side of the pole as the first entity. If cables are attached on both sides of the pole (boxed in), the new cable will be placed on the same side of the pole as the majority of existing attachments. A 40" vertical clearance must be maintained between electrical conductors and any attaching entity's cable and/or attachments, in accordance with Rule 235C of the National Electric Safety Code (NESC). In addition, a 12" clearance from other cables/attachments already in place must be maintained. The bottom surface of the communications space shall conform to NESC Rule 232B1, Table 232-1. If any rules and/or standards violations are found on any poles with existing attachments, the violation will have to be corrected at the time or before the new work commences.
4. Install separate anchor rods for guying of poles, excluding sidewalk guys and guy rods. Attaching entities must set an anchor rod and attach guy wire every time there is a turn or angle equal to or greater than 5 degrees and on all stress dead ends of utility infrastructure. Guys will be installed on each side of road crossings. A three (3) foot separation from all AE utility guy rods is needed. AE may require the setting of screw type anchors to minimize soil disturbance in the vicinity of existing anchors. Sidewalk guys will need a pipe separation attachment for guy wire. Anchor rod eyes to be no more than 6" above ground. **No cable or strand shall be placed on a pole until down guys and anchor rods are installed.**
5. Install standoff brackets for cable on all air switch poles. Also, install standoff brackets for cable on all riser poles if strand or cable will interfere with riser. No brackets will be installed within the 40" supply space/area. The installation of brackets by attaching entities will be reviewed and approved/disapproved by AE staff.
6. Proper bonding or grounding of strand on all poles shall use #6 copper wire.
7. Proper stress factors shall be addressed, by the contractor as assigned by AE, due to trees and tree limbs on cable and other stress occurrences. Be responsible for all tree trimming necessary for safe and reliable installation, use, and maintenance of its attachments, and to avoid stress on poles caused by contact between tree limbs and licensee's attachments. All tree trimming shall be performed in accordance with then

current AE tree-trimming policies, including without limitation those relating to owner notification and consent.

8. If problems arise that are not addressed in this specification, AE should be contacted to address the problem before continuing with project work.

## **DEFINITIONS:**

ATTACHMENT – As follows:

- (a) Each cable owned, controlled, or used by licensee, together with its associated messenger strand, guy wires, anchors, and other appurtenant and incidental facilities (other than those covered by parts (a) and (b) of this definition), affixed to a pole regardless of the means by which affixed (a cable lashed to another cable and each cable lashed to a common messenger is a separate attachment);
- (b) Each amplifier, repeater, controller, box, cabinet, appliance, device, or piece of equipment owned, controlled, or used by licensee and affixed to a pole, regardless of the means by which it is affixed, except that an attachment shall not be an antennae, wireless transceiver, or other similar device used for or associated with wireless communication or wireless data transmission; and
- (c) Each amplifier, repeater, controller, box, cabinet, appliance, device, or piece of equipment owned, controlled, or used by licensee that is resting on the ground but is connected to a pole, attachment, or AE line by a conductor, except that an attachment shall not be an antennae, wireless transceiver, or other similar device used for or associated with wireless communication or wireless data transmission.

CABLE – a conductor, wire, or fiber or a bound or sheathed assembly of conductors, wires, or fibers used as a wire communications or transmission medium (a bare messenger is also a cable).

UTILITY INFRASTRUCTURE – Utility Infrastructure includes distribution poles and street light standards, including such easements and Rights of Way as may be owned or assigned to AE.

Note: This document is only provided as an operational guideline. Please consult your pole attachment contract for more specific details and/or limitations regarding access to Austin Energy's pole infrastructure.

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