

Date:

Name:

Company:

Email Address:

Phone Number:

In accordance with GKE and your company's Joint Use Agreement, this application is hereby made for
to make attachments to distribution poles (no more than 20
per application) located in or near , in the County of
and the State of .

The following information is required and attached as part of this application. Please check each box to ensure application is complete: Licensee Garkane

Construction plans and drawings detailing Licensee's build out plan

Maps indicating specific distribution poles of Licensor that Licensee proposes to use

Spatial data with pole locations and numbers (kmz or shp)

The number and character of the attachments to be placed on each pole

All equipment to be included in Licensee's attachments, including overlash & expectation of midspan installation

Drop/Lift Poles that Licensee intends to install

The total tension, weight, and transverse loading data for the wires, including multiplication by the applicable overload factors of the NESC

The size and type of messenger wire including weight/feet and design tension

The size and type of cable including weight/feet, design tension, and diameter

A drawing showing the type and manner of bolted attachments

A drawing showing installation specifications, rating, and guy and anchor requirements proposed to be used by Licensee

Any pedestal attachments

Any other information necessary, in Licensor's sole judgment, for Licensor to determine if the requirements of Section 4.4 (in *Joint Use License Agreement*) are met

Fees. Refer to Fee Schedule in Joint Use License Agreement (Exhibit 1.5).

Application Processing Fee. \$ 200.00 per Application or \$35.00 per Attachment whichever is greater.

Pole Attachment Rental Fee. \$15.00 per Attachment per year.

Safety Violation Fee. \$500.00 per safety violation.

Unauthorized Attachment Fee. \$1000.00 per Unauthorized Attachment.

PROJECT DETAILS

Number of Poles in this application x \$35 per attachment =

Associated Licensee Project Number (optional):

Location Description:

Include required information below, attaching additional pages or documents as needed.

Attach KMZ or SHP file with pole locations and pole numbers associated with this application. **Application WILL NOT BE REVIEWED until spatial data are received.**

LICENSOR RULES AND PRACTICES FOR ATTACHMENTS

- 1) Licensee shall install and maintain its Attachments at its own expense. Bucket trucks are preferred for installation and maintenance where access is available.
- 2) Any unbalanced loading of Licensor's Distribution Poles caused by the placement of Licensee's facilities shall be properly guyed and anchored by Licensee with a guy and anchor provided by Licensee, at no expense to Licensor. Licensee may not place new guy attachments on Licensor's anchors without Licensor's prior consent.
- 3) A preliminary "ride through" of the proposed route of Licensee's facilities shall be made by representatives of Licensor and Licensee upon request by Licensor.
- 4) Licensee shall check and verify the condition of any pole prior to climbing or performing work on it. If a pole is deemed unsafe, Licensee must immediately notify Licensor by telephone and in writing as soon as practicable.
- 5) All Attachments shall be located on the same side of each pole as any existing telephone or communications cable, or as otherwise designated by Licensor.
- 6) On Attached Poles where Licensor has secondary conductors, all Attachments shall be located on the same side of the pole as the secondary conductors, or as otherwise designated by Licensor.
- 7) Licensee shall cause all cabinets, enclosures, and messengers to be grounded by bonding to the existing pole ground with #6 solid, bare, soft drawn copper wire.
- 8) Licensee shall install no power supply on any of Licensor's poles on which underground electric services, capacitor banks, sectionalizing equipment or voltage regulators are already installed.
- 9) No electrical service connection to a communications power supply shall be made or installed by Licensee until after Licensor shall have completed inspection of an approved fused service disconnect switch or circuit breaker.
- 10) No bolt used by Licensee to attach its facilities shall extend or project more than one (1) inch beyond its nut.
- 11) All Attachments of Licensee shall have at least two inches clearance from unbonded hardware such as pedestals and any other enclosures containing equipment.
- 12) All of Licensee's Attachments shall comply with NESC clearance requirements and shall be located a minimum of forty (40) inches below Licensor's lowest attached facilities. All mid-span clearances between Licensee's facilities and Licensor's lowest conductors shall comply with NESC clearance requirements.
- 13) Licensee may, with prior approval of Licensor, install cross arms, alley arms, or cable extension arms for the support of any of its facilities. However, Licensee shall not use any cross arm or alley arm brace above the arm that it supports. **No new midspan taps or new cable TV risers are permitted.**
- 14) Licensee shall install and maintain any and all of its facilities in a neat and workmanlike manner consistent with the maintenance of the overall appearance of the jointly used pole, subject to the approval of Licensor in its sole discretion.
- 15) If any of Licensee's proposed attachments are to be installed upon poles already jointly used by Licensor and another party(ies), Licensee shall negotiate with such other party(ies) to determine clearances between its facilities and those of Licensor and such other party(ies), except that Licensee may not in any way modify the clearance requirements set forth in this Agreement.
- 16) Licensee shall provide to Licensor a statement summarizing the standards used by Licensee for its standard pole attachment installations. Such standards shall be signed and approved by a Professional Engineer representing Licensee, confirming that Licensee's standard installations conform with the NESC and good engineering design. With respect to non-standard Attachments, and submit such plans to Licensor with a statement that such non-standard Attachments comply with the NESC and good engineering design.
- 17) Attachment removal must be mapped and reported to Garkane in order to be removed from Licensee's tally. Removal shall be reported using the GKE Joint Use Removal form which shall be submitted with an accompanying KMZ or SHP file as well as a PDF map.
- 18) Licensee shall ensure that all employees, agents and contractors of Licensee used to install or maintain the Attachments have been certified and/or trained to work in the vicinity of electric distribution poles.
- 19) Annual bills for attachments will be sent each December/January for the upcoming year.

Minimum Design Criteria for Attached Poles

**all references to tables and codes refer to the National Electrical Safety Code (NESC)*

- 1) Where conductors or equipment are added, altered, or replaced on an existing structure, the structure or the facilities on the structure need not be modified or replaced if the resulting installation will be in compliance with either (a) the rules that we in effect at the time of original installation, or (b) the rules in effect in a subsequent edition to which the installation has been previously brought into compliance, or (c) the rules of the current edition. If a structure must be changed out to meet the prior code requirements the new structure must meet the current code. (013B)
- 2) Maximum Design Conductor Temperature: 167dF for Distribution, 212dF for Transmission. Power Conductors shall be at Design Temperature, Non Power Conductors shall be at 60dF.
- 3) Zone Loading. Zone 1 – ½” ice, 4 lb wind, 0dF. Zone 2 – ¼” ice, 4 lb Wind, 15dF.
- 4) Extreme Wind – 90mph 3 second gust
- 5) Minimum Ground Clearance shall be at the maximum of 1, 2 or 3 above plus 2ft for construction tolerance and Table 232-1. Line 5 - subject to pedestrian traffic only must be physical restriction (no rider on horseback)
- 6) Structure strength must exceed Grade B strength requirements. (Table 242-1)
- 7) Design loads for additions for structures over 10 years old are limited to 80% of new structure. The NESC is not a design guide. It is minimum requirements.
- 8) Minimum Vertical Clearance between lowest Power conductor or equipment and highest Communications cable or equipment at the support shall be 40”. May be greater per Table 235-5 at higher voltages.
- 9) Minimum Vertical Clearance between Power and Communication in the span shall be 75% of value at Support. Upper conductor shall be at maximum loaded sag, lower conductor shall be at same ambient temperature per rule 235C2b(1). Or straight line test of 235C2b(3).
- 10) Power conduits running thru communications space must extend above highest point of attachment or communications equipment at least 4 feet.
- 11) All communications risers shall be on standoff brackets.
- 12) All conductor imbalances must be guyed. All guys must be bonded to pole ground with at least #6 Stranded Copper. All guys must be ‘conspicuously’ marked at ground line. (217C) Garkane does not charge a separate attachment fee for guys.
- 13) All structures shall be evaluated using O Calc Pro or PLS CADD for NESC loading, strength, and clearance compliance. Copies of data files that demonstrate compliance shall be provided with application.

* *

Acceptance of Rules, Practices, and Design Criteria

The above rules, practices, and design criteria are accepted by Licensee.

Licensors will respond to this application within 90 days of receipt.

LICENSEE

Print Name:

Title:

Signature:

Date:

PLEASE SUBMIT COMPLETED APPLICATION AND SPATIAL DATA TO: fsr@garkane.com

Questions? Call Taleana Virostko at (435) 414-9610

Garkane Joint Use webpage: <https://garkaneenergy.com/content/joint-use>