

1. Will the PLS BAK file include the right of way limits for the 2 new 115kV lines?
 - No, the PLS .bak file does not provide the right of way limits. The PLS .bak file only provides LIDAR survey data for the entire route of Phase 1 of the project. There is not a .bak file for phase 2. A survey will need to be completed for Phase 2.
2. Will soil borings or existing geotechnical reports be provided?
 - No, soil borings have not been conducted for either phase.
3. Is MFAD an approved software for foundation calculations/design by GUC?
 - Yes.
4. 3.2.4 says design to include fiber attachments. How many levels of fiber should the poles be designed to accommodate?
 - All pole should be designed to accommodate one fiber attachment 12" below system neutral and two through vang attachment levels (four attachment points) in the communications space (40" below neutral).
5. With Railroad crossings involved in the project, will we be required to provide the template for railroad permitting? Who will railroad permitting responsibilities fall under?
 - GUC will provide the railroad crossing agreement for phase 1. This agreement is for the railroad crossing at the intersection of Hwy 11 and NC-903. All other crossing permits will be the responsibility of the design firm.
6. Does GUC have a construction manual or will the designer need to provide these specifications?
 - Design firm will provide these specifications.
7. Will we have a typical assembly detail to work by for the pole line construction or is that up to the designer?
 - GUC will provide our typical transmission and distribution assembly details.
8. Is there a hole drilling standard detail for the poles available or will that need to be developed based upon the design?
 - GUC will provide our typical hole drilling standard.
9. Do you stock certain class and pole heights that the designer will need to try to design around or will these be custom poles?
 - Pole height and class should be determined by the design firm, pre-engineered wood pole equivalents are acceptable. All angle and tap poles should be self-supporting. Guyed structures are not acceptable.
10. Does GUC have stock assemblies that we will use on transmission and distribution? Will this information be provided to the designer upon kick off of the project?
 - Yes
11. Under Classifications of services you ask us to "provide a listing of all the group classifications that will be involved with this project." Can you please clarify? Do you want a list of the 330 codes or the list of services we provide?
 - This should be a list of all groups at your firm that will be involved with this project.
12. How many hard copies should we submit?
 - Three (3) copies of your proposal should be submitted. See page 14 of RFP.
13. The proposed design calls for fiber attachments. Will these be OPGW, ADSS, or strand and lash? Does GUC have standard construction unit drawings for these?
 - ADSS. GUC does not have standard construction unit drawings.
14. Will GUC provide their standard design criteria and transmission and distribution assembly drawings preferred for the design and removals?
 - The current NESC should be used for design criteria. Any additional requirements will be provided by GUC. GUC's common Transmission, distribution, and assembly drawings will be provided. Design firm is responsible for creating and updating drawings as needed.

15. Does GUC have DEP transmission crossing information, or will the engineer acquire and coordinate the crossing permit with DEP. Will GUC pay for all costs associated with DEP crossing permit if required?
 - GUC will be responsible for all permits and fees associated with DEP Transmission crossing.
16. Will GUC coordinate and pay for soil borings required for the project or will the engineer be responsible for those costs?
 - Design firm will be responsible for coordination and fees related to soil borings.
17. Does GUC have an anticipated R/W acquisition schedule or construction schedule for the phases?
 - Right of way acquisition is complete for both phases. Phase 1 construction should begin FY 21/22 and end FY 22/23. Phase 2 construction should begin FY 23/24 and end FY 24/25. Design firm will be responsible for providing detailed project schedules.
18. Do we assume all poles will be installed on private R/W and not inside NCDOT R/W's, or a combination of the two?
 - All installs should be on GUC's easement.
19. Do all distribution facilities on the project belong to GUC, and is there any 35kV involved?
 - All distribution facilities belong to GUC. All distribution circuits along both routes are 12.47 kV, there is no 35 kV involved.
20. The scope does not mention any environmental or railroad permitting. If either is required, will this be handled by GUC or by the bidder?
 - Environmental permitting will be the design firm's responsibility. See question 5 for railroad details.
21. Does GUC have any proposed site plans for the future substation at Fox Pen and Blackjack-Simpson Road?
 - GUC can provide site plans of a current substation as a reference.
22. Does this new substation tap involve site development and fencing in addition to the deadend structures?
 - The scope of the substation tap at the corner of Fox Pen and Blackjack Simpson Rd only includes attachment to the H-frames inside the substation. Design firm will be responsible for providing design tensions and wire loads to substation design firm.
23. Will GUC seek RUS funding for these projects?
 - No
24. Does GUC have target in-service dates for each 115 kV segment?
 - See question 18.
25. Is a geo-referenced file available showing the centerline of the 115kV transmission (dwg, dxf, shp, etc)?
 - No
26. Have the two (2) routes included in the RFP been finalized or are the 115kV transmission alignments subject to change pending real-estate and/or easement negotiations?
 - Routes have been finalized and all easements have been acquired.
27. Are the proposed 115kV alignments in the RFP intended to follow the centerline of the existing distribution circuits?
 - When parallel to existing distribution, the new line will be constructed behind the existing distribution.
28. If existing easements will be utilized, does GUC have a defined right-of-way width?

- Typical easement width is 15 feet. However, easement widths vary throughout the routes. A map detailing the easements will be provided to the design firm.
29. Will GUC be providing all boundary survey data for design? Will GUC surveyor be preparing legal descriptions and easement exhibits (as required) for transmission right-of-way, guy wires, construction access, wire pulling.
- Design firm will be responsible for all survey data. GUC will provide the required legal descriptions and easement exhibits as needed.
30. Can GUC please confirm that the transmission line will be designed for a single circuit with (1) 1272 AAC wire per phase?
- Please see section 3.2 and Appendix A and Appendix B for design details.
31. Will substation engineering for the 115kV substation expansion be designed by GUC or others?
- Substation engineering is not in the scope of these projects, except for the transmission connection to bus at Simpson Substation. See question 32.
32. Does "design of the deadend structure to substation bus" at Simpson Substation require complete design of this structure by transmission engineering or providing design tensions/wire loads so that this structure may be designed and procured by others?
- The H frames and transmission connection to the substation bus at Simpson substation is the transmission designer's responsibility.
33. Will the proposed future substation be located north or south of Fox Pen Road? Does GUC know approximately how far east of Blackjack Simpson road the station may be?
- GUC owns parcel 84677. The substation will be on the North corner lot of Fox Pen Rd and Blackjack Simpson Rd.
34. Can an outage be taken on the existing distribution during construction of the 115kV transmission line or will the transmission line construction be required to take place with distribution energized?
- Contractors should plan for distribution to be energized. However, GUC will de-energize distribution when possible. Contractors will be responsible for performing work/switching to de-energize lines.
35. Will RUS standards/materials be utilized for the design and framing of mid-span distribution structures?
- GUC typically does not design transmission lines with mid-span distribution poles. However, GUC may determine some areas are acceptable to value engineer with mid-span poles.
36. Does GUC require any load study or voltage drop calculations for the distribution design?
- No
37. Does distribution design require any special considerations for avian and other animal protection?
- No
38. Will the distribution construction and transmission construction take place concurrently?
- Yes. After the new line is constructed GUC crews will perform all distribution transfers.
39. For the proposed distribution construction, will existing equipment such as transformers, reclosers, capacitor banks, fuses, switches, etc be transferred for the new structures or will existing equipment be replaced in-kind and installed on new transmission structures? Reclosers and capacitor banks will be transferred, all other equipment will be replaced. GUC crews will complete all service and equipment transfers.

40. If existing distribution equipment will not be transferred to the new transmission structures, will existing distribution poles supporting equipment, taps, or crossings remain in place and spanned over?
- Distribution poles should be removed and replaced.
41. Is the elevation of distribution underbuild for the proposed 115kV transmission to match the existing distribution wire attachment heights or will distribution wires be reconfigured with increased heights?
- The elevation of distribution underbuild should meet existing distribution heights or NESC requirements, whichever is greater.
42. Will existing third-party attachments (cable, telephone, etc) be transferred to the new transmission structures and will coordination with third-party Owners be facilitated by GUC?
- Coordination with third-party owners should be facilitated by the design firm.
43. The RFP requires a notarized Affidavit (page 6 of the RFP) to be submitted with the proposal. Please clarify if a scanned copy of the affidavit is acceptable or if you require the wet signature.
- Scanned copy is acceptable.
44. Please provide the names and contact info for any GUC approved geotech/surveyor firms. Are any existing geotechnical reports, in the area of the new lines, available to assist with bidding?
- GUC typically uses Terracon for Geotech surveys. However, the design firm can choose to use other Geotech/survey firms.
45. Is there any existing distribution that is going to be transferred to the new lines as underbuild?
- New conductor will be installed for distribution. After construction of new line is complete, GUC crews will complete all service transfers.
46. Section 3.2.4 refer to appendices for 12.47kV distribution underbuild details but were not included in the RFP. Are these details available?
- Section 3.2.4 refers you to Appendix A and B. These maps provide distribution underbuild conductor details.
47. Section 3.2.5 states "Foundation Design and Plans for all foundation structures and poles. Typical designs for GUC have been steel pole, self-supported with vibratory installed foundations either slip fit, concrete poured anchor bolt-flange, or vibratory installed flange-flange". Please confirm the types of foundations allowed; concrete (auger drilled, cast-in-place), direct embedded poles, driven or vibratory piles, etc. Can example drawings or go-by's from past, similar projects be provided to assist with bidding?
- Concrete foundations, driven piles, and vibratory piles are acceptable. Design firm is responsible for selecting which foundation is optimal. Previous designs can be found on GUC's website under previous bids.