Engineering Field Tech

Department: ***Engineering***

Reports to: ***Distribution Engineering Manager***

PURPOSE: The Engineering Field Tech is responsible for the design, staking, coordination, and documentation of new electric services, distribution line extensions, system improvements, relocations, and customer construction projects. The Engineering Field Tech works directly with customers, contractors, developers, consultants, and internal departments to provide safe, reliable, and cost-effective electric service while ensuring compliance with Dickson Electric Service (DES) construction standards, TVA requirements, the National Electrical Safety Code (NESC), and applicable utility policies.

ESSENTIAL FUNCTIONS:

1. Design overhead and underground electric distribution facilities.
2. Prepare staking packages for new services, service upgrades, relocations, temporary services, and line extensions.
3. Evaluate customer electrical load requirements.
4. Determine service size, conductor size, transformer capacity, and protective equipment requirements.
5. Apply DES engineering standards and construction specifications to all designs.
6. Escalates projects or issues to the Staking Engineer Lead when they exceed established technical, cost, schedule, customer, safety, or policy thresholds.
7. Conduct site visits and field investigations.
8. Verify existing facilities and field conditions.
9. Determine routing for new distribution facilities.
10. Identify potential construction conflicts.
11. Obtain field measurements and engineering data.
12. Coordinate utility easement requirements and right-of-way needs.
13. Meet with residential, commercial, industrial, and governmental customers.
14. Coordinate with developers, contractors, consulting engineers, and architects.
15. Explain utility service requirements and construction standards.
16. Resolve engineering-related customer concerns.
17. Maintain effective communication throughout project development.
18. Prepare staking sheets, construction drawings, and material lists.
19. Develop labor and material estimates.
20. Calculate customer contributions in aid of construction (CIAC).
21. Prepare project documentation for construction crews.
22. Ensure construction packages are complete and accurate.
23. Provide engineering support during construction.
24. Respond to field questions from Operations personnel and contractors.
25. Review field changes and document approved revisions.
26. Conduct post-construction inspections as needed.
27. Verify completed work matches approved engineering designs.
28. Maintain complete engineering project files.
29. Prepare and update construction drawings.
30. Document field changes.
31. Ensure as-built information is submitted for GIS updates.
32. Maintain accurate engineering records.
33. Ensure compliance with:
    a. DES construction standards
    b. TVA requirements
    c. National Electrical Safety Code (NESC)
    d. OSHA requirements
    e. Utility policies and procedures
34. Perform technical projects and other duties as assigned.

Minimum Qualifications:

High School Diploma or GED required. Associate Degree in Electrical Engineering Technology preferred or related field with two years of electric utility experience preferred. Any equivalent combination of education and experience sufficient to successfully perform the essential duties.

Anyone interested should clicking on this link.

https://20210722115002_h9lqqekzfjv5z6f6.applytojob.com/apply/cDYisoJ6HC/Staking-Engineer

Posted 11/12/2026