



Engineer Job Posting

Lawrenceburg Utility Systems (LUS) is seeking to fill a full-time, non-exempt Engineer position to plan, design, monitor, and operate LUS' electric system, including electric transmission and distribution lines, substations, and services in a safe, efficient, and reliable manner.

Interested applicants can view the complete job description and apply online by visiting our website at www.lburgus.com. Applications will be accepted until the position is filled. Salary commensurate with experience and will only be discussed in interview. Excellent benefit package. Drug-Free Workplace. Drug testing is a condition of employment. EOE.



Job Description

Position Title:	Department:	Reports To:
Engineer	Engineering	Engineering Supervisor
Employment Status:	FLSA Status:	Effective Date:
Full-time	Non-exempt	

Job Summary:

Plan, design, monitor, and operate LUS' electric system, including electric transmission and distribution lines, substations, and services in a safe, efficient, and reliable manner.

Duties and Responsibilities:

- Assist in the development of computer studies, such as system protection, short circuit, load flow, arc flash, voltage drop, power factor correction, and power quality.
- Analyze distribution system for proper loading and coordination of protective devices.
- Assist in performing load growth studies.
- Assist in power switching procedures by operating switches in substations and gang operated switches on the line up to 27kv with gloves and insulated stick.
- Assist with substation maintenance and work orders.
- Participates in the quality control and inspection of new substations.
- Assist in the monthly inspections of maintenance of capacitor banks, substations, reclosers, regulators, and station relaying and controls.
- Meet with new and existing customers to determine necessary electric facilities to establish or enhance service(s) in accordance with the National Electrical Code (NEC), National Electrical Safety Code (NESC), and the American Public Power Association (APPA) safety manual.
- Assist in SCADA administration and design.

- Prepare estimates on labor, material, construction, and equipment costs to establish or enhance service(s).
- Conduct field surveys and layout assignments.
- Review complaints and reports of load requirements for problem areas to determine corrective measures.
- Investigate low voltage complaints and make recommendations for corrective action.
- Coordinate operation and maintenance activities.
- Utilize GPS equipment and mapping software to aid in staking jobs and keeping maps up to date.
- Request utility locates to Tennessee 811, documenting and recording each request.
- Prepare drawings, cost estimates, material lists, field sketches, staking sheets, and other documents for overhead and underground power lines.
- Utilize computer software and equipment to perform required engineering calculations, produce reports, research, and maintain current power distribution and customer information.
- Operate the SCADA system to assist power crews in hot line and hold tags, substation breakers, switching operations, and monitor system conditions.
- Utilize the Advanced Metering Infrastructure (AMI) software to diagnose power quality issues and solar system commissioning.
- Assist power service crews in identifying and resolving power outages by using the Outage Management System (OMS), AMI, and SCADA.
- Monitor and operate the transmission and distribution systems automation equipment and smart grid technology.
- Complete other duties as assigned.

Required Skills and/or Abilities:

- Acknowledge and adhere to all of LUS' policies and procedures.
- Perform duties safely without endangering self, others, and the public.
- Ability to read, write, understand, and follow instructions and job-related materials.

- Ability to use mathematical skills to be able to add, subtract, multiply, and divide all units of measure.
- Ability to be organized, detail oriented, and handle multiple tasks.
- Ability to take responsibility for your own actions and treat others with respect.
- Attend work regularly and on time.
- Ability to work scheduled and non-scheduled overtime.
- Ability to follow all safety guidelines required by OSHA.
- Attend safety training and other meetings as scheduled.
- Ability to work inside and outside.
- Ability to be exposed to weather conditions that are cold, hot, rainy, and windy.

Physical Requirements:

- Ability to occasionally lift and/or move up to 50 pounds.
- Ability to use eyes, hands, and fingers to use technology devices accurately.
- Ability to sit and stand or sit at a desk for extended periods of time.
- Ability to stoop, kneel, and crouch for long periods of time.
- Ability to talk, see, hear, reach, handle, and feel.
- Ability to easily walk across undeveloped land that may be overgrown and contain rocky areas.

Education, Experience, and Qualifications:

- Bachelor's degree in electrical engineering required.
- Valid State of Tennessee Driver's License required.
- Tennessee Valley Public Power Association's (TVPPA) Power Distribution Engineer Certificate required within 48 months of hire.
- State of Tennessee Engineering in Training (EIT) Certificate preferred.
- Minimum of 2 years relevant experience preferred. Previous internship experience with LUS to be considered as relevant work experience.