



## City of Maryville

**Position Title:** Electric Engineer

**Position Type:** Full-time; Exempt

**What we offer:** The anticipated hiring salary range for this position is \$54,764 - \$65,097. Excellent benefit package includes health, dental and vision insurance, life insurance, retirement pension with Tennessee Consolidated Retirement System, Section 457 plan, Roth IRA, and 24 hour access to onsite fully equipped fitness center.

**Closing Date:** Open until filled.

### About This Opportunity:

The Electric Engineer manages the distribution of electrical services to over 20,000 customers in the city of Maryville and surrounding areas. The City of Maryville operates and maintains seven substations that are served by TVA and provide power to the electric distribution system.

### Essential Functions:

- Reviews site and road project plans for conflicts and electrical requirements; communicates orally and in writing with customers, consultants, developers, engineers, and planners.
- Develops and assigns plans to modify or extend electric distribution system for project or customer needs.
- Inspects, analyzes, develops, and assigns plans to modify, maintain, and upgrade the electric distribution system; calculates loads on distribution system; maintains proper wire size and engineering practices per codes.
- Assists with coordination of fieldwork with electric crews, job contractors, engineers and developers; assists with system analysis and dispatching during widespread outages or other emergencies.
- Manages outdoor lighting including security and streetlights.
- Assists with substation maintenance.
- Procures distribution transformers, tracks upcoming requirements, and maintains transformer inventory.
- Utilizes, updates, and corrects data within various utility-related software in conjunction with system changes.
- Serves customers and other City departments by addressing questions regarding facilities, service availability, job status, and power quality issues; provides cost estimates for provision of electric service or for facility relocation.

### Knowledge, Skills, and Abilities:

- Thorough knowledge of the principles and practices of electrical engineering and of electric distribution systems.
- General knowledge of GIS/ESRI maps with land base features and utilities.
- General knowledge of Microsoft utility/engineering software and Tantalus.
- Skilled in the use of various electrical engineering instruments; in reading and interpreting charts with historical data related to distribution and substation loading and balancing; in reading and interpreting one-line and schematic diagrams.

- Ability to read blueprints, maps, and operation and service manuals and prepare technical reports.
- Ability to create cost estimates and bill of materials.
- Ability to prepare, review and interpret engineering plans and specifications.
- Ability to make arithmetic computations using whole numbers, fractions, and decimals; ability to compute rates, ratios, and percentages; ability to use trigonometry for electrical and mechanical calculations.
- Ability to schedule, manage, and prioritize numerous functions and simultaneous projects.
- Ability to calculate stresses and deflections in structures.
- Ability to establish and maintain effective working relationships with staff, consultants, contractors, customers, developers, engineers, crew supervisors and workers, inspectors, and the general public.
- Ability to communicate effectively in oral and written form.
- Ability to research, collect and organize data.
- Ability to perform and organize work independently and to coordinate with others when needed.

### **Education and Experience**

Bachelor's degree in electrical engineering or related field and minimal experience in electrical engineering work, preferably in an electric utility, or equivalent combination of education and experience.

Must meet and maintain all training and education requirements for position.

Must possess a valid driver's license to operate a motor vehicle in the State of Tennessee.

### **How to Apply:**

A City of Maryville employment application is required for consideration. An electronic application is available on our website, [www.maryvillegov.com/jobs](http://www.maryvillegov.com/jobs). Paper applications are available in the front lobby of the Maryville Municipal Building, 400 W. Broadway Ave., Maryville, TN 37801. Please submit your application, resume and cover letter by email to [humanresources@maryville-tn.gov](mailto:humanresources@maryville-tn.gov), by fax to 865-273-3434 or in person in Human Resources.

***City of Maryville is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status or any other characteristic protected by law.***