

**COLUMBIA POWER AND WATER SYSTEMS
JOB DESCRIPTION**

Job Title:

Power Engineering Technician

Effective Date:

Reports To:

Engineering Manager

Supervises Directly:

N/A

Supervises Through Subordinates:

N/A

Purpose for the Position:

A non-exempt position to provide plans and specifications to extend and upgrade power system facilities for new and existing customers.

Essential Responsibilities:

1. Understand, develop, and apply basic knowledge and application of power system distribution design
2. Design and layout of new power line extensions
3. Design and layout for upgrading existing power lines
4. Design and layout of street light installations and replacements
5. Design and layout the relocation of existing lines and facilities to clear area for new construction by county, city, or state
6. Draft construction jobs including an itemized list of materials
7. Post and update Engineering Department records, maps, and files from pending and completed construction jobs
8. Perform energy evaluations on existing residential structures
9. Other work as assigned

To do this kind of work, you must be able to

- use mathematics with ease
- understand principles of geometry and related sciences
- solve problems using facts and existing NEC, NESC, and local codes
- work on various projects and adjust to changing situations
- deal with people in courteous manner
- use drafting tools and computer models

Essential Functions of the Job:

1. Acknowledge and adhere to all CPWS policies
2. Regular attendance at work
3. Perform duties safely without endangering self, others, and the public
4. Maintain valid Tennessee driver's license
5. Subject to emergency call-out
6. Abide by residency requirement as determined by the Board (CPWS personnel subject to stand-by or after-hours call-out must reside within a CPWS service territory or Maury County)
7. Ability to use eyes, hands, and fingers to operate computer and/or calculator quickly and accurately
8. Ability to safely drive a vehicle
9. Ability to sit at a desk or table up to 8 hours per day
10. Ability to reach, handle, feel, talk, hear, see, read, and write
11. Ability to communicate and exchange information with the public on the telephone
12. Ability to easily walk across undeveloped hilly, overgrown, and rocky areas
13. Environmental Conditions: Ability to work 50% inside and 50% outside. While inside, protected from weather, but outside job requires exposure to severe weather conditions such as storms, rain, extreme cold, and extreme heat.

Math Skills:

Requires mathematic skills sufficient to easily and effectively add, subtract, multiply, divide, and work with exponents and electrical equations.

Language Skills:

Must have developed language skills to the point to be able to read and comprehend electrical codes and to effectively explain requirements for interconnection to Power System facilities.

Relationships to Data, People, and Things:

Data: Coordinating: Determines time, place, and sequence of operation(s) or action(s) to be taken on the basis of analysis of data; executing determination of and/or reporting on events.

People: Speaking/Signaling/Writing: Talking with and/or signaling people to convey or exchange information, including giving assignments and/or directions to assistants.

Things: Handling: Using body members, handtools, and/or special devices to work, move, or carry objects or materials. Involves little or no latitude for judgment with regard to attainment of standards or in selecting appropriate tool, object, or material.

To do this job, you must have the following minimum amount of total education and/or experience:

1. High School Diploma or equivalent
2. Associate Degree in engineering preferred
3. Experience in public or private utility work preferred

GENERAL REQUIREMENTS:

This is not necessarily an exhaustive list of all responsibilities, skills, duties, requirements, efforts, or working conditions associated with the job. While this is intended to be an accurate reflection of the current job, management reserves the right to revise the job or to require that additional and/or different tasks be performed when circumstances change (i.e., emergencies, changes in personnel, workload, rush jobs, or technological developments). This job description does not constitute a written or implied contract of employment.