Classification Specification for Unclassified Service

Title: Utility Engineer I

Pay Scale Group: 00

Essential Function

Under the supervision of a designated administrator, utilizes prescribed methods to perform specific procedures of dealing with energy efficiency, energy services, facilities management, plant engineering, environmental compliance and alternative energy technologies.

Characteristic Duties

- Produce, distribute, and transmit, reliable electricity, steam, and chilled water
- Evaluate cost effective modes of operation
- Direct the work of contractors or staff in the implementation of projects
- Ensure safe, reliable, environmentally compliant, and regulatory compliant operations
- Recommend technical design or process changes to improve efficiency, quality, or performance
- Monitor and analyze energy production and consumption data from numerous sources
- Produce technical reports for management and other groups such as the EPA, PUCO, PJM, Duke, and DOE
- Evaluate construction design information such as detail and assembly drawings, design calculations, system layouts and sketches, or specifications
- Develop procedures to ensure reliability and contingency plans for emergency operations
- Oversee, design, & manage large repair and replacement projects
- Identify energy savings opportunities and make recommendations to achieve more energy efficient operation

Minimum Qualifications

Bachelor’s degree in area related directly to Engineering with 0-3 years related experience. Equivalent combination of education and experience may be required.

Knowledge/Experience

Possesses a comprehensive knowledge of professional engineering concepts, principles, practices, and procedures, typically acquired through education and progressive experience; knows how to develop and write basic specifications; possesses computer knowledge. To progress to the next level: Demonstrates increasing independence and decreasing

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need for work direction to succeed in an ever widening range of project assignments; understands advanced engineering principles; successfully accomplishes assigned projects.

**Communication:**

Answers standard questions and knows when to direct others for further advice; gives and receives technical information; effectively communicates through written correspondence.

**Interaction with Others**

Responsible for the timeliness and quality of own work assignments and participates with work team; no formal supervisory or work guidance responsibility; leads by example.

**Work Complexity**

Works under guidance of a more experienced professional; meets assigned deadlines.

**Guidance & Supervision Received**

Performs work under direct supervision and from detailed and written instructions; preforms work as directed by supervisor or higher level engineers; turns to supervisor and higher level engineer for technical guidance.

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