



NON-BARGAINING UNIT JOB POSTING

POST: Internal/External

DIVISION: Electric Delivery

DEPARTMENT: Electric System Integrity

OF OPENINGS: 3

JOB TITLE: Electrical Engineer

MARKET RATE: Engineering & Scientific, Grade 1-5

GENERAL SUMMARY OF DUTIES:

Responsible for performing a variety of engineering duties involving the performance, design, construction, project management and maintenance of the electrical transmission and distribution system. Work will be performed under the direction of the System Integrity Principal Engineer, and focused on meeting the Board of Water & Light's objectives and vision statement.

ESSENTIAL FUNCTIONS:

Develops technical design for new and modified electrical distribution and transmission systems. Develops, implements and monitors programmed electrical transmission and distribution system maintenance. Performs engineering, design and the construction of distribution system projects. Checks for accuracy in electric distribution reports. Responsible for customer contact for transmission and distribution system. Assists in the development of procedures and improvement design standards. Allocates materials; prepares work orders, sketches, estimates and proposals; and releases packages to construction. Utilizes approved methods for tracking and managing work, such as BWL Request Management System. Manages own projects including schedule projections, planning of projects, engineering, estimating, monitoring, reconciliation, deadlines/timeframes and other duties related to project management. Prepares specifications, contracts, evaluation of bids and makes recommendations. Provides technical support to construction personnel and performs field checking of work in progress and completed work. Develops and enhances technical skills to keep abreast of current technologies and engineering practices. Utilizes standard office and engineering software (i.e., spreadsheet, word-processing, database, Aspen, Power World, Synergee, PLS and CADD). Writes documents and reports and makes oral presentations. Required to follow BWL Safety Manual and wear personal protective equipment for all field work. Must attend training for safety awareness and skills improvement as required by supervisor, BWL or governmental agency such as MIOSHA.

JOB SPECIFICATIONS:

- **KNOWLEDGE**
- **SKILLS**
- **ABILITIES**

Bachelor's degree in Electrical Engineering is required. Salary grade commensurate with experience in design, construction and project management of electric transmission and distribution systems. Must have valid Michigan driver's license with acceptable driving record. Previous experience in design, construction and project management of electrical systems protection preferred. Professional Engineering License is preferred. Thorough knowledge of principles, practices and methods used in the construction of electrical transmission and distribution systems; thorough appreciation, understanding and experience of economics and project management. Must be credible to the BWL's customers, with demonstrated ability to act as a customer advocate, as well as confident in dealing with external agencies. Position requires skills and abilities in leadership, initiative, decision making, negotiations, analysis, problem solving, conflict resolution, public speaking, acting with integrity, and clear and concise communication. Possesses the ability to promote and maintain an atmosphere of teamwork.

PHYSICAL REQUIREMENTS:

Ability to retrieve data from computerized, typed and written sources. Ability to effectively communicate in writing and orally while presenting project recommendations or in contact with internal teams or external agencies. Occasional walking, climbing and traversing over various terrains to inspect construction sites, existing facilities, etc. Moderate stooping, crouching and kneeling to stake or survey construction sites. The ability to lift up to 30 lbs. of field equipment and tools. Must be able to transport oneself to off-site locations for meetings at customers' offices, homes and construction sites on demand. Occasionally required to enter confined spaces. If entering confined spaces, must be respirator certified.

WORKING CONDITIONS:

Normal office environment with periodic field exposure including dirt and dust. Possible exposure to high noise, coal dust, flyash, and asbestos.

THE BOARD OF WATER AND LIGHT IS AN EQUAL OPPORTUNITY EMPLOYER