

## **COMMUNICATIONS ARCHITECTURE AND ENGINEERING MANAGER**

### **PURPOSE AND NATURE OF WORK**

Position is responsible for the management of divisions of the Communications Systems Department (LUS Fiber) engaged in: a) engineering planning, design and project administration, b) implementing, troubleshooting, and maintaining fiber networks and services, and c) construction, installation and repair of the fiber network. Incumbent works under the general direction of the Director of LUS Fiber, has supervisory responsibilities for a large staff, and bears responsibility for the output of the divisions managed.

**ILLUSTRATIVE EXAMPLES OF WORK** (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

- Manages and provides subject matter expert leadership to the team(s) in engineering, design, system planning, specification, diagramming, mapping, construction administration and inspection of a communications system providing telephone, television and data communications to homes, government, and businesses
- Manages and provides subject matter expert leadership to the team(s) that provide installation and service of fiber-based voice, video and data products along with fixed wireless broadband service to subscribers such that LUS Fiber's quality and customer service standards are maintained
- Manages and provides subject matter expert leadership to the team(s) that are responsible for network design, implementation and maintenance
- Keeps abreast of latest developments and industry standards in telecommunications industries. Ensures plans include adequate system reliability and demand criteria. Oversees and performs analyses of telecommunications and control systems
- Explores emerging technologies in electrical engineering and assesses their applicability to improve service offerings and operational efficiency
- Manages project budgets for standard O&M projects as well as state and federal grant opportunities, allocates resources efficiently, and tracks expenditures to ensure projects are completed within financial constraints
- Identifies potential risks in engineering projects and develops mitigation strategies to ensure project success and safety. Ensures safety of sensitive customer data
- Participates in all work of subordinate employees as required for business operations
- Performs related work as required

### **NECESSARY KNOWLEDGE, ABILITIES AND SKILLS**

Knowledge of and ability to apply subject matter expertise in the following areas of a communications system providing telephone, television and data communications to homes, government, and businesses:

- Engineering and design
- Planning, specification, diagramming, and mapping
- Construction project management and administration
- Component installation, implementation, and maintenance
- Budget administration

- Risk assessment and customer data security
- Research and development
- Ability to form and maintain effective working relationships with other LUS Fiber personnel, customers, elected officials, and general public
- Ability to communicate clearly, verbally and in writing

### **NECESSARY QUALIFICATIONS**

Baccalaureate degree in Electrical Engineering and registration as a professional engineer in the State of Louisiana or a state granted reciprocal recognition of registration. Substantial working experience in design, construction and operations of data, video and voice communications systems using fiber optics to consumers' locations, or an equivalent combination of education and experience.