

**Title:** Troubleman  
**PG:** 048  
**Status:** Civil Service  
**Position Reports to:** Supervisor of Troubleman  
**Department:** Lakeland Electric / Delivery

**Class Code:** 7109  
**Date:** 10/09

### **GENERAL DESCRIPTION OF CLASS:**

This is a skilled master level work position in the diagnosis and repair of electrical transmission and distribution system trouble. The position serves as a highly mobile and capable first responder to issues throughout the service territory. Work is frequently performed alone in close proximity to high-voltage wires and under unfavorable weather conditions, requiring skill and safe work practices and procedures. Work is normally performed independently but, is subject to inspection and review for conformance to standards and procedures by the supervisor.

### **ESSENTIAL FUNCTIONS:**

1. Maintains, operates, and repairs electrical distribution system.
2. Inspects and determines problems in transformers and electrical apparatus, replacing fuses and other defective parts.
3. Repairs and replaces transformers, cutouts, lightning arresters, insulators, switches, and conductors overhead or underground.
4. Adjusts tension on primary or secondary conductors.
5. Locates trouble in primary and secondary lines, replacing fuses and clearing short circuits.
6. Repairs and troubleshoots transformer banks and three-phase pad mount transformers.
7. Connects, disconnects, and replaces service cables.
8. Cleans and services tools, equipment, and vehicles.
9. Maintains and repairs private area and city street lightning.
10. Repairs and performs system restoration functions with extensive additional OSHA requirements identified for jobs conducted by personnel working alone.
11. Follows established safety procedures and uses required protective devices and equipment.

### **ADDITIONAL RESPONSIBILITIES:**

1. May serve as Lead Lineman when assigned.
2. Performs high-risk electric cut ons and cut offs as required.
3. Perform after hour water cut ons and cut offs.
4. Ability to work alone, plan, prioritize work and have responsibility for their own safety and well-being.
5. Performs related work as required.

### **KNOWLEDGE, SKILLS & ABILITIES:**

1. Extensive knowledge of approved practices, procedures, tools, and materials used in electrical line construction and maintenance work.
2. Extensive knowledge of the principles of electrical theory as applied to electrical circuits and wiring systems and the ability to apply this knowledge as related to electrical line work.
3. Knowledge of first aid, safety practices, procedures, and occupational hazards of the trade.
4. Skill in the use of tools, equipment, and vehicles common in the trade.
5. Ability to understand and follow complex oral or written instruction.
6. Ability to work in confined space on underground electrical system or equipment that may or may not be energized.
7. Ability to perform heavy manual tasks under varying unfavorable weather conditions.
8. Ability to establish and maintain effective working relationships with supervisor, co-workers, other city employees, and the general public.
9. Ability to use computer system for work orders, GIS locator information, CDL vehicle inspection data and access to other electronically maintained information.

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10. Skill in communicating effectively using various telecommunication devices, such as radio, cell phone, etc.
11. Ability to diagnose and recommend solutions related to electrical outages and reliability. Works in conjunction with Account Managers on solving issues with key account customers.

**WORKING ENVIRONMENT/CONDITIONS:**

Job requires heavy manual work that involves walking or standing most of the time and exerting up to 100 pounds of force on a recurring basis. The job risks exposure to electrical shock, adverse weather conditions, extreme hot/cold temperatures, confined areas, dust pollen, traffic, toxic/noxious fumes, extreme noise levels, and bright/dim light.

The job requires working alone and maintaining a safe approach distance to energize conductors. The job requires normal visual acuity, and field of vision, hearing, speaking, color perception, sense of smell, depth perception, and texture perception.

**QUALIFICATIONS (EDUCATION, TRAINING, AND EXPERIENCE):**

1. High school diploma or GED that has been supplemented by vocational course work in electrical systems.
2. Seven (7) years of experience in the construction, maintenance, and repair of electrical Transmission and Distribution systems with a minimum of three (3) years at the 1<sup>st</sup> Class or Journeyman level.
3. An equivalent combination of education and experience, which is determined to be directly related to the foregoing specific requirements, may be substituted.

**SPECIAL REQUIREMENTS:**

1. Must maintain City driving privileges and a valid Florida Class B Commercial Drivers License
2. Must be able to keep the trouble truck at your home for response from home.
3. Must provide and maintain a valid telephone number.
4. Must be able to work various shifts and overtime as required to cover 24 hour/7-day shifts including weekends and holidays.
5. Must respond to 50% of call outs offered.
6. May be required to work overtime, or alternate hours, as necessary for the efficient operation of the department. Position may be designated as Mission Critical by Department Director.