

Title: System Operations Engineer
PG: 71
Status: Civil Service
Position Reports to: Designated Supervisor
Department: Lakeland Electric

Class Code: 2155
Date: 09/08

GENERAL DESCRIPTION OF CLASS:

The System Operations Engineer is a position that is of neither pure engineering duties nor pure operating duties. It is a position that takes an individual's engineering background and experience and mixes it with that individual's operating background and experience. This is a highly responsible position. The opportunity for independent judgment in planning the work and making technical decisions is required. Work is performed under general supervision of an administrative supervisor and is evaluated upon completion. Direction will be exercised over lower level engineers, technicians, and trades personnel.

ESSENTIAL FUNCTIONS:

1. Monitor all system operating practices for adherence to engineering principles.
2. Monitor all system operations for adherence to operating practices.
3. Investigate and assist in investigations of system disturbances and events as requested by operating divisional managers and directors.
4. Assist the Electric System Operator's (ESO) in an advisory capacity at any time.
5. Responds to a preemptive storm call from the ESO's.
6. Required to attend meetings, discussions, etc. that fall outside of the normal working hours, as needed.
7. Respond as needed or requested to other divisions to assist and advise in any operations engineering matter.
8. Respond as needed or requested to customers of Lakeland Electric
9. Respond as requested to other utilities requiring any type of assistance.
10. Support system and customer reliability enhancement projects.
11. In the interest of system reliability and system operation the System Operations Engineer may respond to system emergencies and disturbances without notification.
12. Provide other operational engineering duties as assigned or approved by management.
13. Monitor the operation of all Distribution Automation (DA) systems.
14. Responsible for the operating assurance and the coordination of maintenance activities involving all T&D equipment.
15. Responsible for quality control on coordination of the T&D System.

ADDITIONAL RESPONSIBILITIES:

1. Assists other divisions and City departments on multi-disciplinary projects and studies.
2. Acts as a representative/liaison to other utility and industry organizations involved in the projects or studies.
3. May temporarily assume the responsibilities of a supervisor.
4. Performs related work as required

KNOWLEDGE, SKILLS & ABILITIES:

1. Extensive knowledge of fundamental and applied engineering science, engineering principles and practices applied in planning, location and design and as required for carrying out details of standardized design or assigned research.
2. Extensive knowledge of specific systems related to engineering areas of responsibility.
3. Extensive knowledge of statistical principles, applications and sampling techniques for use in data collection, interpolation and evaluation for planning and reporting.
4. Extensive skill in the use of drafting instruments and in the use of mathematical table required in professional engineering work.

Title: System Operations Engineer
PG: 71
Status: Civil Service
Position Reports to: Designated Supervisor
Department: Lakeland Electric

Class Code: 2155
Date: 09/08

5. Skill in making complex engineering commutations and in designing difficult engineering projects.
6. Ability to prepare, interpret and review for acceptance engineering plans, specifications and reports.
7. Ability to conduct engineering research, write technical reports and give reliable advice on complex engineering problems.
8. Ability to establish and maintain effective working relationships with co-workers, other City employees the general public.
9. Ability to plan and direct the work of subordinate engineers and technicians.
10. Ability to direct project development and installation of equipment.

WORKING ENVIRONMENT/CONDITIONS:

Requires sedentary work that involves walking or standing some of the time, exerting up to 10 pounds of force on a recurring basis, and routine keyboard operations.

The job risks exposure to no significant environmental hazards.

The job requires normal visual acuity, field of vision, hearing, speaking, color perception, sense of smell, depth perception, and texture perception.

QUALIFICATIONS (EDUCATION, TRAINING, AND EXPERIENCE):

1. Graduation from an accredited four (4) year college or university with a degree in Civil Engineering, Electrical Engineering, or closely related field and five (5) years of experience in related engineering work.
2. An equivalent combination of education and experience that is determined to be directly related to the foregoing specific requirements may be substituted. An equivalent combination of education and experience which is directly related to the foregoing specific requirements may be substituted.

SPECIAL REQUIREMENTS:

1. Must possess a valid state of Florida driver's license.
2. Must maintain a valid home telephone number.
3. May be required to pass and maintain qualification for:
 - a. Respiratory Protection Physical
 - b. Pulmonary Function
 - c. Qualitative and Quantitative Fit Test(s)
4. 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.