

Title: Manager of System Planning

PG: 78

Status: Non-Civil Service

Position Reports to: Associate General Manager--Technical Support

Department: Lakeland Electric

Class Code: 2225

Date: 05/09

GENERAL DESCRIPTION OF CLASS:

The Manager of System Planning is responsible for overseeing and directing all functions involved in long and short range system forecasting and planning for generation, transmission and distribution infrastructure. This position provides the leadership and direction needed for the planning and operation of the electric system to meet service quality and reliability criteria established for Lakeland Electric.

ESSENTIAL FUNCTIONS:

1. Directs and coordinates the planning and development of facilities needed to meet forecast electric demand and energy requirements.
2. Provides for system growth and power quality and reliability enhancements.
3. Accountable for assuring a well planned and reliable transmission and distribution system.
4. Reviews and evaluates both short and long-range forecasts and modeling which may include generation loads, energy consumption, fuel consumption and costs, revenues and expenses, customer growth, anticipated rate adjustments and weather effects on energy consumption and peak loads.
5. Reviews and evaluates generation and T&D expansion studies.
6. Directs the planning for anticipated demands on system components and facilities to meet current and future demand and energy requirements.
7. Ensures the System Planning personnel, policies and procedures comply with the North American Electric Reliability Corporation (NERC) and Florida Reliability Coordinating Council (FRCC) training, standards and readiness requirements.
8. Directs the development of new concepts and methods of providing energy to serve customer load, provides oversight to ensure the overall cost effectiveness and reliability of system design.
9. Recommends annual budgets, manpower plans, and staffing levels needed to carry out duties of the System Planning Section
10. Represents the utility in meetings with other utilities and keeps the utility informed on state and national issues, which could affect the current and future operating and planning practices of the utility.

ADDITIONAL RESPONSIBILITIES:

1. Performs related work as required.

KNOWLEDGE, SKILLS & ABILITIES:

1. Extensive knowledge of electric transmission, distribution and generation systems planning and operations, including knowledge of engineering principles, techniques, and practices used in the design construction, operation and maintenance of electric utility facilities.
2. Extensive knowledge and understanding of economic evaluation of engineering alternatives as applied in electric T&D and generation planning functions and responsibilities.
3. Extensive knowledge and understanding of power quality and reliability theory and applications.
4. Extensive knowledge of the NERC Standards related to the System Planning function.
5. Thorough knowledge of the occupational hazards associated with the operation of an electric system and the ability to understand system electric power delivery and load characteristics impacting the reliability and quality of customer service.
6. Thorough knowledge of forecasting and modeling.
7. Ability to establish and maintain effective customer relations and address customer related

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issues in a positive manner.

8. Ability to communicate effectively and convincingly on the need for new infrastructure to serve the growing load to customers, City officials and the general public.
9. Ability to establish and maintain effective working relationships with co-workers, other City employees and the general public and to provide leadership to contribute to a working environment that will instill employee pride, morale and commitment to service excellence.

WORKING ENVIRONMENT/CONDITIONS:

Requires sedentary work that involves walking or standing some of the time, exerting up to 10 lbs. 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, and field of vision, hearing, speaking, color perception, sense of taste, smell depth perception, and texture perception.

QUALIFICATIONS (EDUCATION, TRAINING, AND EXPERIENCE):

1. Four (4) year degree in engineering from an accredited college or university. Appropriate Professional Engineer certification and/or master's degree preferred.
2. Ten (10) years of combined experience in electric system operations, evaluation and analysis of power adequacy, and planning and design of an electric power delivery system. Three (3) years supervisory experience.
3. Completion of City University Level three (3) or completion within twelve (12) months.
4. An equivalent combination of directly related education and experience may be substituted.

SPECIAL REQUIREMENTS:

1. Must possess a valid state of Florida driver's license.
2. Must maintain a valid contact phone number.
3. 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.