

Title: Energy Production Engineering Manager
PG: 78
Status: Non-Civil Service
Position Reports to: BUD Energy Supply
Department: Lakeland Electric

Class Code: 2164
Date: 09/09

GENERAL DESCRIPTION OF CLASS:

The Manager of Applications Engineering is responsible for overseeing and directing all functions relating to the applications engineering needs of the Energy Supply Business Unit. The basic function is to provide the leadership and direction needed for the effective planning, organization and deployment of resources used in the engineering of power plant facilities and related fuel systems.

PRINCIPAL DUTIES:

Planning

1. Participates in Energy Supply Business Unit planning to assist in the establishment of engineering standards, goals, and performance measures relating to the transmission and distribution system.
2. Oversees the planning and scheduling of work and assignment of personnel to improve the efficiency and effectiveness of applications engineering operations.

Operations

1. Supervises the applications engineers responsible for the design and effective operation and maintenance of Lakeland Electric's generation units and related fuel systems and facilities and the Supervisor of Power Plant Construction.
2. Manages and participates in the design of additions and modifications to the energy supply system.
3. Directs ongoing programs to improve the efficiency of facilities through operational modifications and original equipment design.
4. Provides for the requisitioning of the materials needed to complete projects under the management of design engineers.
5. May serve as Construction Manager on major construction projects for the business unit as well as engineer of record for work impacting public safety.
6. Prepares and recommends budgets needed for energy supply applications engineering and participates in meetings to determine the utility's capital and operating budget requirements.
7. Maintains a current knowledge of construction standards, work methods, and technology available to improve the efficiency of construction and maintenance operations. Ensures that engineering design adequately addresses issues relating to public and employee safety.
8. Assists in establishing work force management systems and reviews reports to support changes in work methods, and changes in crew size, make-up, and personnel needed to maintain worker productivity, including engineering personnel productivity.

Organization and Personnel

1. Recommends annual budgets, manpower plans, and staffing levels needed to carry out operating responsibilities to the Business Unit Director for approval.
2. Recommends personnel and compensation actions for subordinates to the Business Unit Director for approval.
3. Establishes standards for employee productivity and performance and monitors results.
4. Develops and implements appropriate employee training programs and monitors the professional development of employees in the work unit.

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Outside Relationships

1. As directed by the Business Unit Director, 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 engineering practices of the utility.

Reporting Relationships

1. Reports to the Business Unit Director.
2. Directly supervises various applications engineering and technical support personnel, and the production construction group.

KNOWLEDGE, SKILLS AND ABILITIES:

1. Extensive knowledge of engineering principles used in the design, construction, operation and maintenance of power production facilities and systems.
2. Theoretical and practical knowledge of power production facilities construction and maintenance practices.
3. Thorough knowledge of economic evaluation of engineering alternatives. Considerable knowledge of interconnected power system theory.
4. Theoretical and practical knowledge of work force management systems and their application in the construction, maintenance, and engineering, of power systems.
5. Thorough knowledge of public safety concerns and occupational hazards associated with electric utility maintenance and operations.
6. Ability to communicate effectively both verbally and in writing.
7. 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 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 AND EXPERIENCE:

1. Graduation from an accredited four (4) year college or university with a degree in engineering or closely related field.
2. Ten (10) years experience in power system design, analysis and operations with appropriate time spent in supervisory positions.
3. An equivalent combination of directly related education and experience may be substituted.
4. Completion of City University Level two (2) or completion within twelve (12) months

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SPECIAL REQUIREMENTS:

1. Must be a registered Professional Engineer currently licensed to practice in Florida.
2. Must possess and maintain a home telephone.
3. Must possess and maintain a valid state of Florida driver's license.
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.