

Title: Power Quality & Technology Specialist
PG: 56
Status: Civil Service
Position Reports to: Designated Supervisor
Department: Electric

Class Code: 6354
Date: 09/08

GENERAL DESCRIPTION OF CLASS:

This is a highly technical position in the planning, engineering, installation and support areas of the Lakeland Electric's Power Quality & Energy Management Services. Responsibilities include the installation, maintenance and support of the monitoring and analysis network servers and network communications hardware. Network performance and availability dictate work assignments. The position is also responsible for providing technical support in the area of power quality analysis and diagnostics.

ESSENTIAL FUNCTIONS:

1. Responsible for the maintenance, upgrade and monitoring of the network servers, including the repair and replacement of all hardware and software components.
2. Responsible for the planning, design and implementation of network additions and upgrades, including all hardware components and cabling.
3. Responsible for the installation, configuration, and repair of all network communications hardware including hubs, switches, and routers.
4. Monitors the wide area and local area networks to ensure optimal performance and reliability.
5. Works with other department personnel to provide network connectivity.
6. Evaluates performance reports on the wide area and local area networks, and makes recommendations for network improvements and upgrades.
7. Reviews network connectivity requests and makes recommendations regarding the feasibility and acceptability of implementation.
8. Responsible for the design and implementation of local and wide area networks.
9. Responsible for providing technical support in power quality and energy use management services.
10. Responsible for supervising all installations (local and field) connected with the monitoring and analysis network.
11. Conducts project management to include budget analysis, scheduling, specification writing, contract negotiation, report preparation and giving presentations.
12. Supervises and evaluates the field electricians.

ADDITIONAL RESPONSIBILITIES:

1. Works closely with Telecommunications to insure consistency and reliability of network communications.
2. Works closely with other groups and individuals to investigate and recommend solutions to system and customer's power quality problems.
3. Performs related work as required.

KNOWLEDGE, SKILLS & ABILITIES:

1. Thorough knowledge of routine planning and methodology as they apply to wide area and local area networks.
2. Thorough knowledge of all network hardware components including servers, switches, hubs, and routers.
3. Thorough knowledge of data wiring.
4. Thorough knowledge of network communications including protocols, switching and routing.
5. Thorough knowledge of the Microsoft NT and Novell operating systems.
6. Knowledge of computer applications as they apply to city wide business practices.
7. Ability to prepare technical reports.
8. Ability to demonstrate good interpersonal skills.

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9. Ability to communicate effectively with supervisor, subordinates, other City employees, and the general public both verbally and in writing.

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, and field of vision, hearing, speaking, color perception, sense of smell, depth perception, and texture perception.

QUALIFICATIONS (EDUCATION, TRAINING, AND EXPERIENCE):

1. Graduation from a four (4) year accredited college/technical school or a two (2) year college/technical school with six (6) years of experience.
2. Three (3) years experience as a technician in a PC support and network support function.
3. An equivalent combination of education and experience determined to be directly related to the foregoing specific requirements may be substituted.

SPECIAL REQUIREMENTS:

1. Must possess and maintain a valid State of Florida's driver's license.
2. Must be able to attend meetings at locations other than primary work area.
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.