

Title: Maintenance Electrician
PG: 49
Status: Civil Service
Position Reports to: Designated Supervisor
Department: Various

Class Code: 7095
Date: 09/08

GENERAL DESCRIPTION OF CLASS:

This is skilled work in electrical construction and maintenance activities. Work involves responsibility for the performance of skilled electrical tasks in the maintenance of electrical systems, a large variety of electrical equipment and fixtures, including electrical facilities. Supervision may be exercised over subordinates. Assignments are usually given orally but may be received in writing and may be accompanied by sketches or blueprints. Work is performed independently, with considerable latitude for determining materials and work methods used. Work is subject to inspection by a superior during progress and upon completion.

ESSENTIAL FUNCTIONS:

1. Plans layout and installation of electrical wiring and conduit runs in City buildings in accordance with City building codes.
2. Installs electrical panels, switches, motors, electronic and monitoring control systems for building air-conditioning and heating.
3. Repairs and installs conduit and wiring in and about a municipal power plant, tests and installs supervisory control equipment.
4. Participates in installing, checking and inspecting for proper operation of automatic switchboards, electronic control systems, electric storage batteries, meters, instruments and related electrical apparatus and equipment.

ADDITIONAL RESPONSIBILITIES:

1. Performs related work as required.

KNOWLEDGE, SKILLS & ABILITIES:

1. Considerable knowledge of the practices, methods, tools and materials used in the electrical trade.
2. Knowledge of the construction and functions of a wide variety of electrical equipment such as transformers, motors, pumps, air-conditioners and related equipment.
3. Knowledge in the use of a wide variety of electrical testing devices including volt meters, ammeters, ohm meters, watt meters and other related devices.
4. Knowledge of the occupational hazards and necessary safety precautions of the electrical trade.
5. Knowledge of the repair and maintenance of air-conditioning equipment.
6. Skill in locating and adjusting defects in electrical systems and equipment.
7. Ability to understand and follow oral or written instructions, to read and interpret sketches, diagrams and blueprints.

WORKING ENVIRONMENT/CONDITIONS:

Medium work that involves walking, standing, stooping, jumping, stretching, or lifting all of the time and also involves exerting between 20 to 50 pounds of force on a recurring basis or exceptional skill, adeptness, and speed in the use of fingers, hands, limbs in tasks involving very close tolerances or limits of accuracy.

The job risks exposure to bright/dim light, dusts and pollen, extreme heat and/or cold, wet or humid conditions, extreme noise levels, animals/wildlife, vibration, fumes and/or noxious odors, traffic, moving machinery, electrical shock, and heights.

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

QUALIFICATIONS (EDUCATION, TRAINING, AND EXPERIENCE):

1. High school diploma or its equivalent including training in electrical work.
2. Two (2) years of experience as an electrician apprentice.
3. An equivalent combination of education and experience that is determined to be 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. Must possess and maintain an electrician's license issued by Polk County and the City of Lakeland.
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.