

ELECTRICIAN

Definition

Under direction, to perform skilled installation and maintenance work in the repair, alteration and construction of electrical systems and mechanical equipment; and to do related work as required.

Examples of Duties

Duties may include, but are not limited to, the following: Makes electrical installations in City facilities; maintain electrical and electronic controls for the operation of pumps, sewage treatment machinery and incinerator; maintains and modifies lift station buildings including heating, ventilation and lighting; maintains the City street lighting system including reinstallation of damaged street lights; inspects new installation of street lighting systems; maintains and sometime installs electrical circuitry in City buildings and facilities; services and repairs electric motors and switches; revises electrical systems, equipment and related mechanical units in City facilities; operates equipment and machinery used in assigned tasks; reads blueprints and estimates needed materials; advises on design of pump stations, street lighting, parking lots, and related structures and estimates the cost of such projects; supervises and trains an apprentice electrician or an assistant.

Is on mandatory stand-by every other week to respond to emergency calls.

Employment Standards

Experience and Education

Any combination equivalent to experience and education that likely provides the required knowledge and abilities would be qualifying. A typical way to obtain the knowledge and abilities would be:

Education

Any combination equivalent to completion of an approved apprenticeship for electrician.

Experience

One (1) year of experience as a journeyman electrician.

Knowledge and Abilities

Knowledge of: Electrical theory, practices, procedures, equipment, tools and materials; National Electric Code and the electric safety orders; maintenance and repair of street lighting systems.

Ability to: Make electrical connections and splices; wire and rewire electrical circuits, motors, and panels; make repairs on electrical motors, pumps, and other electrical units; ability to read and correctly interpret wiring diagrams and other electrical plans and specifications; supervise the work of others.