

Jurisdictional Class: Non-Competitive  
Adopted: May 2, 2006  
Revised: May 11, 2010  
June 30, 2023

**ELECTRICIAN**

**DISTINGUISHING FEATURES OF THE CLASS:** This work involves responsibility for performing skilled and difficult electrical operations and making important electrical installations and repairs. General instructions are received regarding tasks to be performed permitting considerable leeway for planning the details of each job. Supervision is exercised over the work of building maintenance personnel as assigned. The incumbent does related work as required.

**TYPICAL WORK ACTIVITIES:** (Illustrative only)

Maintains and repairs a variety of appliances, including washers, dryers, kitchen equipment, etc.;

Installs, maintains and repairs electric motors and generators and DC and AC drives;

Repairs and tests switchboards and switchboard devices;

Installs, repairs, and maintains electric lighting and heating systems;

Maintains and repairs signal equipment, such as remote control equipment, signal and alarm equipment, program clocks, program bells, fire alarm systems, and energy management systems;

Maintains and repairs storage battery systems, storage battery chargers, transfer switches, and emergency generators;

Maintains and repairs lighting circuits and lighting fixtures;

Maintains and repairs electrical portion of boilers and central heating systems;

Installs and maintains computer cabling;

Performs a variety of minor building maintenance work;

Installs and maintains the County's telephone system on a limited basis including running new lines, installing single line telephone sets, and replacing equipment;

Assists outside telephone repair service with troubleshooting;

May be cross-trained to address minor repairs to H.V.A.C. equipment during the absence of the HVAC Mechanic;

May supervise the work of subordinate building maintenance personnel as assigned.

**FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES & PERSONAL CHARACTERISTICS:**

Thorough knowledge of the common practices, tools, terminology, and accident precautions of the trade;

Thorough knowledge of the design, construction, installation, maintenance, and repair of electrical instruments, devices, and equipment;

Familiarity with the repair of heating, ventilation, and air conditioning systems;

Ability to work with low potential, high potential, and extra high potential circuits;

Ability to read and understand mechanical drawings;

Ability to work from plans and specifications;

Ability to follow oral instructions;

Ability to work well with others;

Basic computer skills.

**MINIMUM QUALIFICATIONS:** Graduation from high school or possession of a high school equivalency diploma and four (4) years of experience as an electrician installing and maintaining electrical equipment.