

ELECTRICIAN

BASIC FUNCTION:

Under the direction of the Director of Facilities and Operations, perform skilled electrical work in the repair, maintenance, alteration and construction of District buildings and facilities; install, repair, service and maintain electrical systems and equipment.

REPRESENTATIVE DUTIES:

- Inspect, repair, install, service and maintain electrical systems including conduit and duct systems, lighting and power circuits, transformers, control equipment, switches, fire alarms and others. **E**
- Install or replace necessary interior and exterior wiring for equipment, appliances, lighting, and computer equipment. **E**
- Install and perform repair of electrical systems for, lighting, heating, ventilation and air conditioning; replace fuses. **E**
- Install, repair, and maintain intrusion alarm systems and video surveillance system, which may include programming the systems and maintaining user rights. **E**
- Install, repair, and maintain electronic control devices; perform retrofitting of equipment with updated technological controls and equipment to improve performance and efficiency. **E**
- Prepare cost estimates for repair; plan electrical work; order materials in accordance with established procedures. **E**
- Operate a variety of tools and power equipment including saws, mechanical pipe benders, electrical and electronic testing equipment, hydraulic lifts, and other maintenance tools and equipment. **E**
- Drive a vehicle to various District work sites. **E**
- Assure compliance with federal, State and local electrical codes, as well as health and safety codes and standards. **E**
- Participate in other maintenance work as assigned.
- Work from sketches, plans, drawings, blueprints and specifications.
- Perform related duties as assigned.

KNOWLEDGE OF:

Trade tools, equipment, materials, methods and techniques used in skilled electrical and in general maintenance and repair.

National Electric Code, Fire Code, Uniform Building Code requirements, and other regulations pertaining to electrical work.

Appropriate health and safety precautions and procedures.

Technical aspects of field of specialty.

ABILITY TO:

Provide a DMV printout dated within 2 months.

Perform skilled electrical work in the repair, maintenance, alteration and construction of District buildings and facilities.

Install, repair, service and maintain electrical systems and equipment.

Prioritize and schedule work.

Apply codes, rules and regulations involved in assigned maintenance activities.
Effectively and safely operate a variety of tools and equipment used in the skilled trade.
Understand and follow oral and written directions.
Communicate effectively both orally and in writing.
Work from sketches, diagrams, blueprints, plans and specifications.
Make arithmetic calculations quickly and accurately.
Work independently with little direction.
Meet schedules and time lines.
Maintain routine records.
Establish and maintain cooperative and effective working relationships with others.
Operate a computer as assigned for the position.

EDUCATION AND EXPERIENCE:

Any combination equivalent to: graduation from high school and three years journey-level electrical experience.

LICENSES AND OTHER REQUIREMENTS:

Valid California driver's license.

WORKING CONDITIONS:

ENVIRONMENT:

Indoor and outdoor environment.
Fumes, dust and odors.
Adverse weather conditions.
Driving a vehicle to conduct work.

PHYSICAL ABILITIES:

Heavy physical labor.
Climbing ladders and scaffolding.
Seeing to perform electrical work.
Lifting, carrying, pushing and pulling heavy objects.
Walking.
Reaching overhead, above the shoulders and horizontally.
Dexterity of hands and fingers to operate a variety of tools and equipment used in the trade.
Bending at the waist, kneeling or crouching.

HAZARDS:

Electrical power supply and high voltage.
Working on ladders or scaffolding at heights.
Working around and with power saws and other machinery having moving parts.
Working in cramped or confined chambers.

07/01/17
SMJUHSD
Range 31