



Office of Human Resources
Electrician - CJ2513
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General Statement of Duties

Performs full performance skilled level electrical work in the maintenance, repair, and installation of electrical systems and equipment in City facilities.

Distinguishing Characteristics

This class performs full performance skilled level electrical work. This class is distinguished from an Electrical Maintenance Worker that performs standard level semi-skilled trades work in maintaining, repairing, and constructing electrical systems and equipment. The Electrician is distinguished from an Electrical Supervisor that performs supervisory duties over skilled and semi-skilled electrical trade workers in the maintenance, alteration, repair, and installation of electrical systems and equipment in City facilities.

Essential Duties

Performs maintenance, alteration, repair, and installation of electrical systems, equipment, and fixtures in accordance with standard practices of the electrical trade.

Installs new or upgraded electrical equipment and/or systems for the purpose of construction, tenant finishing, or remodeling and completes circuits according to diagram specifications and code requirements.

Responds to electrical service or trouble calls, troubleshoots various problems/issues, and provides problem resolution.

Prepares working sketches and works from blueprints, schematics, and written or verbal instructions.

Estimates materials, labor, and equipment costs.

Maintains records and prepares daily activity reports.

Assists in the maintenance and repair work in a variety of skilled trades areas.

By position, may be required to be on-call to address emergent needs.

Performs other related duties as assigned.

Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

Competencies

Attention of Detail – Is thorough when performing work and conscientious about attending to detail.

Customer Service – Works with customers to assess needs, provide assistance, resolves problems, and satisfy expectations, knows products and services, and is committed to providing quality products and services.

Oral Communication - Expresses information to individuals or groups effectively; taking into account the audience and nature of the information; makes clear and convincing oral presentations; listens to others, attends to nonverbal cues and responds appropriately.

Reading - Understands and interprets written material, including technical material, rules, regulations, instructions, reports, charts, graphs or tables; applies what is learned from written material to specific situations.

Technical Competence – Uses knowledge that is acquired through formal training and extensive on-the-job experience to perform one's job, works with, understands, and evaluates technical information related to the job, and advises others on technical issues.

Technical Problem Solving – Troubleshoots, diagnoses, analyzes, and identifies system malfunctions to determine the source and cause of problems.

Knowledge & Skills

Knowledge of safety hazards and necessary safety precautions sufficient to be able to establish a safe work environment for self and others.

Knowledge of electrical equipment, components, instruments, and burglar and fire alarm systems including installation, testing, uses, repair, and maintenance.

Knowledge of machines and tools including their designs, installation, uses, repair, and maintenance.

Knowledge of electronic theory, circuits, components, and material properties (excluding computers).

Level of Supervision Exercised

By position, perform lead work.

Education Requirement

Graduation from high school or the possession of a GED, HiSET or TASC Certificate.

Experience Requirement

Completion of a state recognized apprenticeship program for electricians.

Education & Experience Equivalency

No substitution of the apprentice program is permitted.

Licensure & Certification

By position, requires a valid Driver's License at the time of application.

By position, requires a valid Commercial Driver's License (CDL "B") with appropriate endorsements by the end of probation.

Requires a Journey Electrician's License issued by the State of Colorado or state issued equivalent at the time of application.

By position, must obtain a Denver Fire Department Fire Alarm Installers License within six months of probation.

Licenses and certifications must be kept current as a condition of employment.

Working Environment

Potential exposure to cold temperature, cold enough to cause bodily discomfort

Potential exposure to cold weather conditions (indoor/outdoor)

Potential exposure to conditions that affect the skin or respiratory system.

Potential exposure to extreme temperature changes
 Potential exposure to hazardous conditions where there is a danger to life, body, and/or health
 Potential exposure to hazards from electro/mechanical/power equipment.
 Potential exposure to hazards of steam and heat
 Potential exposure to heat temperatures, hot enough to cause bodily discomfort
 Potential exposure to hot and humid work environment
 Potential exposure to odorous chemicals
 Potential exposure to the risk of blood borne diseases.
 Potential exposure to temperature changes: variations in temperature from hot too cold
 Handles emergency or crisis situations
 Personal Safety: aware of surroundings, people, and events
 Pressure due to multiple calls and inquiries
 Subject to electrical and radiant energy hazards
 Subject to precarious or high locations
 Subject to pressure for multiple calls, inquiries, and interruptions
 Subject to varying and unpredictable situations
 Temperature Changes: variations in temperature from hot too cold.
 Temperature Changes: variations in temperatures from hot too cold when works in field
 Works in confined, uncomfortable or awkward locations
 Works in precarious or high locations.

Level of Physical Demand

3-Medium (20-50 lbs.)

Physical Demands

(Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs.):

Agility: Ability to move quickly and easily.
 Balancing: Maintaining equilibrium.
 Carrying: Transporting or moving an object.
 Climbing: Ascending or descending an object or ladder.
 Color vision: Ability to distinguish and identify different colors.
 Crawling: Moving about in a low or crouched position.
 Crouching: Positioning body downward and forward.
 Depth Perception: Ability to judge distances and space relationships.
 Eye/Hand/Foot Coordination: Performing work through using two or more body parts or other devices.
 Feeling: Perceiving attributes of objects by means of skin receptors, communication, or otherwise.
 Field of Vision: Ability to sharply detect or perceive objects peripherally.
 Fine Dexterity: Sufficient coordination to operate a vehicle and manipulate objects.
 Fingering: Picking and pinching, through use of fingers or otherwise.
 Handling: Seizing, holding, grasping, through use of hands, fingers, or other means.
 Hearing/Talking: Perceiving and comprehending the nature and direction of sounds/ability to communicate ideas.
 Hearing: Perceiving and comprehending the nature and direction of sounds.
 Kneeling: Assuming a lowered position.
 Lifting: Moving objects weighing no more than 50 pounds from one level to another.
 Neck Flexion: Perceiving objects located above or below.
 Oral Comprehension: Ability to discern the meaning of oral speech.
 Physical Strength: Exerts force to transport objects of 50 pounds or more.
 Pulling: Exerting force upon an object so that it is moving to the person.
 Pushing/Pulling: Transport and control traps and cages, animal foods, equipment.
 Pushing: Exerting force upon on object so that it moves away from the person.

Reaching: Extending the hands and arms or other device in any direction.

Repetitive motions: Making frequent or continuous movements.

Sitting: Remaining in a stationary position.

Standing: Remaining in a stationary position.

Stooping: Positioning oneself low to the ground.

Talking: Communicating ideas or exchanging information.

Vision Far Acuity: Ability to perceive or detect objects clearly at 20 feet or more.

Vision Near Acuity: Ability to perceive or detect objects at 20 inches or less.

Vision: Ability to perceive animal behavior, comprehend signs, and detect color.

Walking: Ability to move or traverse from one location to another.

Written Comprehension: Ability to discern the meaning of written words.

Background Check Requirement

Criminal Check

By position, Motor Vehicle Record

Licenses/Certification

Assessment Requirement

None

Probation Period

Six (6) months.

Class Detail

Pay Grade: J-621

FLSA Code: N

Established Date: 9/21/2018

Established By: LS

Revised Date:

Revised By:

Class History: