

SNOHOMISH COUNTY JOB DESCRIPTION

ELECTRICIAN I

Spec No. 7028

BASIC FUNCTION

To support the Solid Waste Division in performing electronic and electrical work at all Solid Waste facilities.

STATEMENT OF ESSENTIAL JOB DUTIES

1. Performs preventative maintenance on electrical systems, including low and high voltage systems, and communication systems.
2. Completes and maintains electrical records, including permits, work orders, as-builts, and a preventative maintenance tracking system.
3. Assists in the design, installation, maintenance, troubleshooting, and repair of various programmable logical controller (PLC) hardware systems including chassis, processors, remote input/output (I/O) adapters, I/O devices, and local area networks (LANs) communication systems.
4. Assists in the review of electrical and electronic systems designed by consultants for technical adequacy; makes periodic-inspection of contractor's work to ensure installations are constructed according to plans and specifications.
5. Interprets blueprints, sketches, and other instructions; may draw or sketch work to be performed.
6. Performs other electrical preventative maintenance, installation and repair duties as required.

STATEMENT OF OTHER JOB DUTIES

7. Performs other duties as required.

MINIMUM QUALIFICATIONS

Technical training in electrical systems; and, two (2) years of experience as a journey level electrician. Must pass job related tests.

SPECIAL REQUIREMENTS

A valid Washington State Department of Labor Journey Level Electrician License (EL01) is required.

A valid Washington State Driver's License is required.

A job offer will be conditioned on satisfactory results of a driver's license abstract.

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SPECIAL REQUIREMENTS (Continued)

Possession or ability to obtain a valid First Aid/CPR Card is required within six (6) months of employment.

Employment will be conditioned on satisfactory results of a post-offer drug screen test, a medical examination, and a Physical Capacities Evaluation performed by a qualified healthcare professional selected by Snohomish County.

KNOWLEDGE AND ABILITIES

Knowledge of:

- tools, materials, methods and techniques associated with the electrical trade
- relevant electrical codes
- safety rules and regulations
- defensive driving principles
- hazards associated with the work
- personal computer techniques and procedures
- basic first aid methods and procedures

Ability to:

- perform all phases of electrical work
- diagnose and troubleshoot defects in all electrical systems and equipment and perform needed repairs
- read, understand, and follow safety rules and regulations
- perform strenuous physical work
- use a wide variety of hand and power tools skillfully and safely under a variety of working conditions
- read, interpret and apply relevant codes
- understand and follow oral and written instructions
- maintain accurate and complete written records and prepare reports as required
- communicate effectively and professionally both orally and in writing
- read, interpret and work from a variety of blueprints, drawings, one line diagrams, sketches, and work orders
- establish and maintain effective working relationships with superiors, subordinates, and co-workers
- deal courteously and tactfully with the general public
- make independent decision under pressure

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PHYSICAL REQUIREMENTS

Lifts up to fifty (50) pounds on a daily basis. Must be able to work at heights up to forty five (45) feet when climbing ladders and working in aerial lift buckets. Required to crawl, twist, bend, squat when working on electrical systems and getting in and out of aerial lift buckets. Must be able to see when reading plans and specifications. Must be able to hear industrial and vehicle audible alarms. Physical dexterity is required to handle small electronic components and to splice wire.

SUPERVISION

The work is performed under the supervision of a Solid Waste Operations Supervisor or Electrician – Lead as assigned and requires independent judgment by the employee. Work is reviewed through status reports, staff meetings, and results obtained which may be spot checked for technical adequacy, and conformance with work orders, plans and specifications.

WORKING CONDITIONS

The work is performed indoors and outdoors in all types of weather at work sites throughout Snohomish County. Walking over rough terrain and working in confined spaces with hazardous gases and obnoxious odors present is required. Employees will wear County-supplied safety gear as required. Operation of a motor vehicle on public roads is required.

Work in this class involves rotating shift assignments and requires employees to work evenings, weekends, holidays, and overtime as required.

Snohomish County is an Equal Employment Opportunity (EEO) employer.
Accommodations for individuals with disabilities are provided upon request.

[EEO policy and ADA notice](#)

Class Established: April 2017
EEO Category: 7 – Skilled Craft Workers
Pay Grade: 239 - Classified Pay Plan
Workers Comp: 1501 – Hazardous