



King County

Claimant:  
Body Part Injured:

Claim No.:

Job Title: Journeyman Electrician  
DOT Code: 824.261-010

## Job Analysis

Vocational Firm:	Strategic Consulting Services, Inc.	Worker:	
Address:	33600 6 <sup>th</sup> Ave. S. Ste 109 Federal Way, WA. 98003	Claim No.:	
		Job Title:	Electrician II
		DOT #:	824.261-010
Phone:	253-952-0347 (phone) 206-203-3926 (fax)	Involved body parts:	
<input checked="" type="checkbox"/> Job of Injury <input type="checkbox"/> Light Duty Position <input type="checkbox"/> Direct/Transferable Skills Position <input type="checkbox"/> Training Goal			

Job Title:	Electrician II	DOT Title:	Electrician
SVP:	7	DOT #:	824.261-010
Wage:		Type of Industry:	271-Construction

Analyst:	Jennifer Kabacy, CDMS	Employer: King County
Assigned VRC:	Jennifer Kabacy, CDMS	Source: Mark Monteiro, Solid Waste Operations Supervisor; Wade Kennedy, Electrician
Date:	5/18/17	Phone: 206-491-4084

Type of Analysis:    On-Site                       Interview                       Representative

### Brief Job Summary:

Responsible for installing, repairing, and maintaining electrical equipment in buildings and other structures (transfer stations, closed landfills, shop facilities, etc.).

### Essential Job Functions:

Obtains work instruction and job layout instructions from supervisor. May review blueprints and/or sketches that show the location of wiring and equipment. Installs and maintains electrical equipment including lighting, heating, power and electronic equipment; receives and handles all electrical material and equipment; may install wiring and apparatus service conductors, transfer stations, conductors, switchgear and panels; may install raceways, conductors, and terminal boxes. Pulls wire through conduit, splicing wires, and connecting wires, fixtures, devices or equipment. Installs control and distribution apparatus, connecting power cables to equipment and installing grounding leads. Tests continuity of circuits to insure electrical compatibility and safety of components. Adjusts, relocates, or replaces electrical components that present a hazard or do not meet standards.

### Training/Preparation Required:

Must be a Journeyman licensed by the State of Washington. Must have knowledge of the electrical construction industry. Must have a Washington State driver's license. Some positions may require security clearance. Additional licenses, certifications, and other requirements determined to be necessary to meet the business needs of the employing unit may be required.

### Machine, Tools, Special Equipment, Personal Protective Equipment Used:

Hand tools (screwdrivers, hammers, wrenches, utility knives, pliers, etc.); Power tools (drills, saws, roto-hammers, etc.); Ladders, scaffolding, scissor lifts, conduit benders, shovel and a multi-meter. Long pants and work boots are

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required. Eye protection, gloves and hard hat as needed. Electronic components and apparatuses including conductors, ballasts, wiring, switchgear, terminal boxes, etc.



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Physical Requirements			
Frequency Scale	Strength	Work Pattern	
<b>N</b> = Never	<input type="checkbox"/> Sedentary	<input checked="" type="checkbox"/> Full-time	
<b>S</b> = Seldom (1-10 %, up to 48 min.)	<input type="checkbox"/> Light	<input type="checkbox"/> Part-time	
<b>O</b> = Occasional (11-33%, 48 min. – 2 hrs. 25 min.)	<input type="checkbox"/> Medium	<input type="checkbox"/> Seasonal	
<b>F</b> = Frequent (34-66%, 2 hrs. 26 min. – 5 hrs. 35 min.)	<input checked="" type="checkbox"/> Heavy	8	Hours Per Day
<b>C</b> = Constant (67-100%, more than 5 hrs. 35 min.)	<input type="checkbox"/> Very Heavy	5	Days Per Week

Job Demand	% Time	Frequency					Activity Description
		N	S	O	F	C	
Sitting	20%			X			When driving company vehicle to work sites around King County, up to maximum of 4 hours/day (more typically up to 2 hours/day). Also sits while performing clerical duties (looking up parts, engineering support) up to 20-30 minutes at a time.
Standing	80%				X		Intermittent with walking, to perform variety of electrician duties. Standing is occasionally performed on ladder or in lift truck for sustained periods of 30-60 minutes at a time, and for up to 6 hours per day.
Walking	80%			X			Intermittent with standing, to perform variety of electrician duties.

Job Demand	Frequency & Weight					Activity Description
	N	S	O	F	C	
<b>Lifting</b>		100	30	10		lbs. Frequent up to 10 pounds and Occasional up to 30 pounds for tool bag, power tools, wires, conduits, and ballasts. Seldom up to 100 pounds for motors (approximately 1x/week). Unilateral and bilateral lifting required.
<b>Carry</b> (Dist.) 30 ft.		100	30	10		
<b>Pushing/ Pulling</b> (Dist.) ft.			50	15		lbs. of force Occasional up to 50 pounds of force and Frequent up to 15 pounds of force when pulling cable/wires, and manipulating components into place.



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Job Demand	Frequency					Activity Description
	N	S	O	F	C	
Perform Work on Ladders				X		When on ladders, lift truck for sustained periods of up to 30-60 minutes at a time, and maximum of up to 6 hours per day.
Climb Stairs			X			When on stairs, step stools, and to get in/out of truck (2 foot step into cab and into back of truck). Also must climb up and over into lift several times per day.
Twisting				X		When performing essential functions, to maneuver into place to perform work (including from ladder or lift position), and at neck level when driving. Sustained extension of neck to look up when performing overhead repairs for sustained periods of up to 30 minutes at a time.
Stooping / Bending			X			When picking up tools, reaching electrical boxes and wires, picking up materials from lower levels, performing repairs at lower levels for sustained periods of up to 30-60 minutes at a time, and maximum of 3 hours per day. Can squat/kneel to reduce bending/stooping.
Squatting / Kneeling				X		When picking up tools, reaching electrical boxes and wires, picking up materials from lower levels, performing repairs at lower levels for sustained periods of up to 30-60 minutes at a time, and maximum of several hours per day. Can squat/kneel to reduce bending/stooping.
Crawling		X				When accessing small spaces, low levels.
Balancing				X		When climbing/working on ladders, lift, stairs.

Job Demand (Left/Right/Both)	Frequency					Activity Description
	N	S	O	F	C	
Reach Waist to Shoulder				X		Reaching occurs bilaterally, 1/2 to full extension to operate hand tools, check and splice wires, run test equipment and install light fixtures.
Work Above Shoulders				X		When installing light fixtures and pulling wire. Unilateral and bilateral.
Below Waist Level			X			When performing electrical repairs at low levels. Unilateral and bilateral.
Keyboarding		X				Seldom, to look up parts/inventory, and to respond to Engineers to provide support.
Wrist Flexion/Extension				X		Bilaterally, when performing essential functions throughout the workday.
Handle/Grasp					X	When handling and grasping tools and materials, and when pulling wire. Grasping occurs bilaterally throughout the workday.
Forceful Grasp			X			Bilaterally, when using power tools, pulling cable/wire, handling heavy components.

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Job Demand	Frequency					Activity Description
Fine Finger Manipulation				X		When installing wires into boxes, lights, light fixtures with fingertips. Unilateral and bilateral.
Hand Controls			X			When driving and operating power tools.
Foot Controls			X			When driving.
Repetitive Motion				X		Body part: Hands/Arms   When performing essential functions.
Vibratory Tasks - Low				X		When using low impact power tools, drills, and when driving truck.
Vibratory Tasks - High	X					Not required.

Job Demand	Frequency					Activity Description
	N	S	O	F	C	
Talking			X			When communicating with co-workers.
Hearing					X	When communicating with co-workers. Also required for safety purposes.
Tasting/Smelling		X				To smell burning or damaged equipment/materials.
Visual - Near Acuity				X		
Visual - Far Acuity			X			
Visual - Depth Perception			X			
Visual - Color Discrimination				X		
Visual - Accommodation				X		
Visual - Field Of Vision				X		

Environmental Conditions	Frequency					Activity Description
	N	S	O	F	C	
Exposure to Weather				X		Working in all types of weather.
Extreme Cold		X				In extreme weather conditions.
Extreme Hot		X				In extreme weather conditions.
Wet and / or Humidity			X			In weather conditions.
Proximity to Moving Mechanical Parts				X		Power Tools, lift, while commuting to job site.
Exposure to Explosives	X					
Atmospheric Conditions				X		Dust, outdoor elements, weather conditions.
Exposed Heights				X		Ladders, lift (enclosed).
Exposure to Electricity				X		Performing duties of the job.
Exposure to Toxic / Caustic Chemicals	X					
Exposure to Radiation	X					
Other:	X					

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Environmental Conditions	Frequency	Activity Description
Noise Intensity 1 = Very Quiet, 2 = Quiet, 3 = Moderate, 4 = Loud, 5 = Very Loud	3	Moderate to Loud

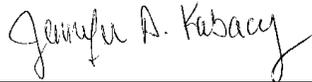
**Analyst's Comments:** N/A

**Possible Employer Modifications:** N/A

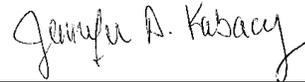
**Note:** The information for this job analysis was gathered by on-site observation, and interview with the employer and worker. Job analysis was verified by both parties to ensure accuracy. Additional data may have been obtained from standardized industry resources such as the DOT, GOE, COJ, OOH, WOIS and O-NET. On occasion, practicality and feasibility prevent the direct observation and/or gathering of objective, quantifiable data. For this reason, a "best estimate" may have been used.

**Analyst:**

**Presenting VRC:**



5/18/17



5/18/17

\_\_\_\_\_  
Jennifer Kabacy, CDMS

\_\_\_\_\_  
Date

\_\_\_\_\_  
Jennifer Kabacy, CDMS

\_\_\_\_\_  
Date

**Medical Provider**

- I agree that the above name injured worker can perform the physical activities described in this job analysis and can return to work.

State the date worker is released to return to work if different from today's date. \_\_\_\_\_

- I agree the injured worker can perform the described job but only with modifications as described below.

Comments:

Modifications are needed on a permanent  or temporary  basis.

- The above-named injured worker **temporarily** cannot perform this job based on the following physical limitations:

**Anticipated release date:** \_\_\_\_\_

**Treatment plan:** \_\_\_\_\_

- The above named injured worker is **permanently** restricted from performing the physical activities described in this job analysis based on the following physical limitations:

(State objective medical findings)

- Restriction based on accepted conditions on claim.
- Restriction based on unaccepted conditions on claim.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Name

- Attending Physician       Consulting Physician       Pain Program Physician
- IME Physician               FCE Therapist               OT / PT Therapist