

## Job Description

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| <b>Job Title:</b> | <i>Renewable Energy Electrician, Construction and Maintenance</i> |
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### Job Purpose

Lead the installation of solar electric systems.

### Duties and Responsibilities

Under supervision of the staff Master Electrician:

- Lead the Installation of renewable energy systems
  - Install solar collectors on racks, roofs, poles, etc including the mechanical assembly of racking systems and mechanical installation in a wide variety of situations
  - Run wiring to/from collectors and associated equipment
  - Place and wire equipment such as batteries, inverters, etc
  - Run wire and conduit (all types); pull wire; dress wires and make connections; install grounding systems; install electrical services; etc.
  - Communicate with team members about challenges and successes
  - Set and maintain high quality standards, both for the work performed and for the conduct of the installation team
- Collaborate in the planning and preparation of installations
  - Create/manage shopping lists
  - Get supplies and pick up orders from vendors
  - Accurately track/label purchases and receipts by job
  - Keep standard stock supplies refreshed; identify and implement general maintenance on tools and equipment
- Troubleshoot renewable energy systems; perform routine maintenance and inspections; diagnose and solve problems
- Supervise one or more Registered Apprentices and/or Installation Assistants
- Other related duties as required

### Qualifications

- Secondary education
- Valid G driver's license and clean driving record
- Registered in Ontario as a Construction and Maintenance Electrician (Trade code 309A)
- Other technical certificates or training an asset
- Post secondary education an asset

### Skills

- Organizational: job site, work plan, tools, lists
- Interpersonal skills: demonstrated ability to work constructively with others, both in subordinate and supervisory roles; sensitivity to needs and concerns of clients; good communication skills, both written and spoken

- Proactive worker
- Analytical and problem solving: troubleshooting, idea creation
- Technical aptitude including mathematics, physics, mechanical systems, tools, etc.; Ability to work at heights; knowledge of the OESC and its application
- Ability to read and interpret drawings and communicate through sketches
- Renewable energy skills and experience an asset

### **Working Conditions**

- Indoors/Outdoors, most weather conditions
- Constrained spaces such as attics and crawlspaces
- Roofs: flat and sloped, shallow and steep, variety of construction methods – use of fall arrest equipment required.
- In client's homes and other private spaces; residential and commercial applications
- Flexible hours of work
- Frequent travel; jobs may span multiple days out of town, staying on site or in motels, etc.

### **Physical Requirements**

- Heavy lifting
- Agility and manual dexterity
- Good eye sight and hearing, colour vision
- Work at heights

### **Direct Reports**

None, however supervisory responsibility over one or more apprentices/assistants.