



Electrical Engineer

Position Profile:

RESCo Energy is a full service solar engineering, procurement, construction and operation company. The role of Electrical Engineer requires a detail-oriented individual with strong technical and investigative skills. The Electrical Engineer is responsible for the electrical design of rooftop and ground mount solar energy plants, as well as for the coordination of structural engineering and utility connection requirements.

Responsibilities:

- Perform feasibility analyses for the development of rooftop or ground mount solar using tools such as Helioscope and PVSyst
- Perform detailed solar PV design including equipment selection and sizing, and system optimization
- Perform protection engineering, specifically related to line protection, bus protection, power equipment protection, protection co-ordination studies, and relay settings;
- Prepare construction and as-built design packages with the assistance of the team
- Respond to field changes to design during construction as required and perform quality control checks
- Prepare building permit submission packages and coordinate responses to plans examiners as required
- Coordinate design packages with racking suppliers and structural engineers
- Coordinate SCADA design and installation as per utility requirements
- Coordinate high voltage design contractors as required
- Analyze performance data such as IV curve trace reports and make recommendations for system optimization
- Issue, review and approve commissioning documents for all systems
- Provide technical direction or support to installation teams during installation, start-up, testing, system commissioning, or performance monitoring
- Work with Sales, Estimating and Project Management team members through the project life-cycle to support as required

Qualifications:

- Registered with the PEO as a P.Eng
- Interest in renewable energy design is required
- Sound knowledge of the design, functioning and operation of solar facilities an asset
- Knowledge of utility standards, CIA processes, and the integration of renewable energy projects on utility networks
- Knowledge of ESA and OESC requirements as they relate to solar PV facilities
- Advanced skills in AutoCAD, Helioscope, and PVSyst, Microsoft Excel and Outlook required
- Demonstrated skills in BASIC programming an asset
- Strong analytical and problem solving skills are required
- Valid Ontario Class G drivers licence

This is a full time position with benefits available after 3 months of employment.

Please visit RESCo Energy's website to apply:

<https://www.rescoenergy.com/careers/>

Questions regarding this position can be directed to:

Michelle Bird, Operations Manager

416.882.1085