

SUBSTATION TECHNICIAN

DUTIES & RESPONSIBILITIES

This position reports directly to the Manager, Planning & Maintenance and is responsible for:

- Planning and designing of proposed installations and upgrades to completion and producing as-built drawings and design work using AutoCAD.
- Installing new Protection and Control equipment (P&C) and remote terminal unit and wiring of Substations.
- Upgrading P&C relays and wiring within the breaker cubicles and replacing existing RTU and communication equipment as well as modifying existing wiring to adapt to the Supervisory Control and Data Acquisition System (SCADA)
- Installing or upgrading control and communication systems on pole or pad mounted distribution switches and installing and maintaining AC and DC Substation service systems.
- Programming, set up and testing of installed equipment to completion of projects and purchasing required hardware and wiring as required..
- Testing and inspecting Substation transformers, breakers, relays, switchgear, metering equipment and grounding and using test equipment associated with each component being tested such as, Transformer Capacitance and Dissipation Bridge, Micro Ohmmeter, Relay Tester, etc.
- Maintaining and repairing AC and DC service systems for the Substations as required and repairing or replacing defective items or equipment, purchasing items and gathering oil samples as required.
- Investigating and diagnosing faults, failures, breakdowns and improper operations of Substation transformers; Relays; Breakers; Pole mounted distribution switches and reclosers; Pad mounted switchgear; RTU and communication equipment
- Collecting scheduled and periodic Substation data and maintaining detailed substation loading and equipment information records.
- Ensuring Substation components and structures, including yard and enclosure, are in a secure, safe and clean condition and direct on-site work of contractors as necessary.
- Installing programs specific to equipment used, such as ABB, Cooper, GE, etc. and researching data and specs for equipment for upcoming jobs and sourcing parts and requesting quotations and purchase requisitions.

QUALIFICATIONS

- 2 year community college Diploma in Electrical Engineering.
- Journey person Substation Electrician Certificate or equivalent.
- Able to pass Electrical Theory Qualifying Test.
- 3-5 years relevant substation experience.
- Experience with electrical distribution systems and knowledge of protection and control systems.
- Strong computer software and hardware skills.
- Experience with various SCADA systems used in electric utilities and communication systems.

Interested and qualified applicants are encouraged to submit their resume to hr@veridian.on.ca ***PLEASE QUOTE POSITION TITLE THAT YOU ARE APPLYING FOR IN THE SUBJECT LINE OF YOUR EMAIL.*** Please note only candidates who meet the qualifications experience for the position will be contacted for an interview. We thank you for your interest in Veridian.