

CITY OF HAMILTON

PUBLIC WORKS DEPARTMENT

(TRANSIT DIVISION – LOCATION – MOUNTAIN TRANSIT CENTRE, 2200 UPPER JAMES ST.)

PLANT ELECTRICIAN

SUMMARY OF DUTIES

Reporting to the Hamilton Street Railway Fleet Supervisor, the Plant Electrician maintains, adjusts, repairs, troubleshoots, and replaces electrical equipment and electrical components in building systems. Maintains all electrical services, supply systems, and equipment associated with Facilities, Grounds, Plant, Sub-stations and Shop equipment throughout various properties. Performs operational, predictive and preventative electrical maintenance duties. Repairs and installs fan systems, pumps, valves, piping, etc. Operates hand and power tools. Adjusts air handling system controls to maintain environmental conditions. Operates measuring instruments. Oversees contractors on site. Work within all applicable Health & safety legislation and City of Hamilton policies.

GENERAL DUTIES

Maintain and repair all electrical apparatus and components associated with plant services including motors, controls, lighting, time clocks, breakers, electrical panels, disconnects, also electrical maintenance and repair associated with heating equipment, ventilating equipment and various other systems and equipment; also perform wiring and installations as required.

Maintain and operate substation systems, apparatus, devices and controls, including rectifiers, transformers, switch-gear, relays, insulators and control equipment.

Perform high voltage switching in accordance with H.S.R. and Hydro Authority procedures.

Use all test equipment and drawings necessary in performance of duties.

Replace light fixtures, ballasts & bulbs, install GFCI circuits, trace circuits, investigate & troubleshoot electrical issues, run electrical conduit and wiring, replace fuses, replace motor starters and their components, replace disconnects and panels.

Troubleshoot wiring continuity and sensor integrity in Security & Fire Systems and suggest repairs.

Assist with scheduled and unscheduled maintenance and repairs of mechanical equipment such as furnaces, boilers, heat pumps, cooling towers, humidifiers, circulating pumps, exhaust fans and air handling units.

Perform inspections of building devices such as alarms, emergency lighting, generators, extinguishers, etc.

Adjust air handling system controls to maintain environmental conditions through the building system computer.

Perform electrical repairs and troubleshooting as it pertains to equipment.

Repair all building indoor and outdoor lighting.

Troubleshoots and assists with the repair of overhead doors.

Perform minor maintenance as required (handyman/multi trade items).

Repair fan systems, pumps, valves and piping.

Operate hand and power tools such as electric drill, hammer, wrenches, etc.

Operate measuring instruments such as multi-meter, **amp probe**, etc.

Perform housekeeping duties in mechanical rooms and workshop areas.

Oversee work of contractors and students during work term as required.

Work in accordance with the provisions of applicable Health and Safety legislation and all City of Hamilton corporate and departmental policies and procedures.

Work in accordance with requirements set out by the Electrical Safety Authority (ESA), in response to ESA reports and maintaining ESA logbooks.

Perform other duties as assigned which are directly related to the major responsibilities of the job.

QUALIFICATIONS

1. Shall have a valid Ontario Electrical Trade License. 309A, Construction and Maintenance, 442A Industrial Electrician (Preferred)
2. Experienced and qualified to work on control and power AC/DC electrical systems.
3. Responsible to know acceptable standards, installation methods and sizes including applicable government, authority and industry laws, codes and rules.
4. Must be able to work with minimum supervision.
5. Must possess a Class "G" licence.
6. Adequate supply of hand tools suitable for job.

THIS POSITION REQUIRES A VALID CLASS "G" DRIVER'S LICENCE AND PROOF THEREOF IS REQUIRED AFTER HIRE. THE HIRING PROCESS WILL CONSIST OF A PRACTICAL TEST, AND IF SUCCESSFUL, AN INTERVIEW.

THE INCUMBENT SHALL COMPLY WITH ALL HEALTH AND SAFETY POLICIES AND PRACTICES FOR THIS POSITION AND THE WORKPLACE