



Licensed Electrician Wanted!

Permanent Full-time

Salary: \$33.77

The City of Elliot Lake is seeking a licensed electrician to perform scheduled preventive maintenance, troubleshooting, and repairs on electrical and process control systems across municipal facilities. This position plays a critical role in maintaining safe, reliable, and efficient operations within the Plants Department and other City departments, while ensuring all work aligns with the Ontario Electrical Safety Code and supports the overall continuity of municipal infrastructure.

What You Will Be Doing:

- Troubleshoot, repair, and maintain electrical, instrumentation, and hydraulic systems across facilities
- Install new equipment and upgrade electrical services, power circuits, and control circuits as needed
- Perform preventive maintenance on motor control panels, soft starters, and other critical equipment
- Test, calibrate, and maintain instrumentation and electrical devices, including PLCs and control systems
- Draw or update electrical diagrams and documentation for all changes made
- Coordinate Hydro inspections, parts ordering, and record-keeping for all maintenance activities
- Support plant operations and respond to after-hours emergencies when required

What You Bring to the Table:

- Licensed Maintenance/Construction or Industrial Electrician in Ontario with 5+ years' experience in electrical and instrumentation work
- Strong troubleshooting skills for electrical, hydraulic, and instrumentation systems, including PLCs and telemetry alarms
- Ability to read and interpret blueprints, schematics, manuals, and preventive maintenance schedules
- Proficiency with electrical testing, calibration, and repair tools (multimeter, amp probe, megger meter, etc.)
- Knowledge of water/wastewater plant operations, power distribution, and substation procedures
- Commitment to safety, including OHSA compliance, Ontario Electrical Safety Code, and emergency response readiness
- Excellent organizational skills for logs, reports, and parts/procurement management

Why Join Us? At the **City of Elliot Lake**, you're not just taking a job—you're becoming part of a team that shapes the culture and community spirit of our city. You'll enjoy a supportive work environment, opportunities to grow, and the satisfaction of making a real impact on public life in Elliot Lake.

This posting will remain active until filled.

Ready to Make a Difference? To apply and view the full job posting please go to our website at <https://www.elliottlake.ca/en/city-hall/jobs.aspx>

In accordance with the Ontario Human Rights Code and the Accessibility for Ontarians with Disabilities Act, a request for accommodation will be accepted as part of the City of Elliot hiring process. If you require accommodation, please contact Human Resources.

The City of Elliot Lake thanks all applicants. Only those selected for interviews will be contacted.

**THE CORPORATION OF THE CITY OF ELLIOT LAKE
JOB DESCRIPTION**

JOB TITLE: ELECTRICIAN - LICENCED	DEPARTMENT: PLANTS
DATE: January 21, 2026	SUPERVISOR: Manager of Environmental Services
PRIMARY PURPOSE OF JOB:	Performs scheduled preventive electrical maintenance on plants equipment. Repairs electrical problems both within Plants Department and other departments of the City, as coordinated by the Working Foreman Plants – Maintenance & Infrastructure and/or Manager of Environmental Services. Maintains and/or upgrades current and new technology in process control systems to Ontario Code.

BASIC JOB DUTIES:

1. Troubleshoot electrical and basic instrumentation problems.
2. Repair or replace equipment that has failed in service. For example, magnetic starters, contacts, coils, relays, transformers, solenoids, motors, printed circuit boards, power supplies, soft starters, etc.
3. Basic adjustment and maintenance of instrumentation equipment. For example, pressure transmitters, level transmitters, isolators, rotork valves, chemical pump controllers, sonic level controllers, chart recorders, etc.
4. Troubleshoot telemetry alarm and control system.
5. Installation of any new instrumentation equipment that may be required for process control.
6. Upgrading of electrical services, power circuits and control circuits.
7. Draw electrical diagrams when changes are made or diagrams are not available.
8. Troubleshoot hydraulic system for valve control.
9. Preventive maintenance on motor control panels and other electrical distribution panels.
10. Test, calibrate and repair electrical equipment and circuits by using the following equipment: Multimeter, distance simulator, amp probe, meger meter, etc.

11. Basic knowledge of PLC's.
12. Maintain daily log, CSS log, time sheets and preventive maintenance reports.
13. Place orders for restocking and ordering of repair and replacement parts in accordance to procurement and departmental policies.
14. Understand basic operation of the Water Plant, Sewage Plant, the distribution system and collection system.
15. Back-up diesel generators – troubleshoot automatic transfer switching and electronic sensing devices at multiple locations.
16. Knowledge of communication system between Water Treatment Plant and Lift Stations.
17. General knowledge of electrical sub-stations and procedures of isolating Water Plant from source power. Responsible for scheduling regular sub station inspections.
18. Troubleshoot electrics of methane/natural gas boiler systems and troubleshoot explosion proof wiring systems.
19. Knowledge of reduced voltage motor starting systems – installation and maintenance of soft starters, auto transformers, etc.
20. General knowledge of air exchange systems at Water and Wastewater Treatment Plants.
21. Arrange Hydro inspections of work performed.
22. Other related duties as may be assigned.

QUALIFICATIONS:

- Minimum High School Diploma
- Must be licenced in the Province of Ontario as a Maintenance / Construction Electrician or as an Industrial Electrician.
- Minimum of five (5) years experience repairing and/or installing electrical equipment
- Valid Class G driver's licence and clear driving record
- Knowledge of electronics, PLC's, flow metering devices, pump controllers, 4-20 milliamp input systems
- Knowledge and experience in the maintenance and repair of equipment of different voltages up to and including 44 Kv.
- Ability to read, understand, interpret and use blueprints and drawings, follow manuals and preventive maintenance schedules
- Must be familiar with and follow the Occupational Health & Safety Act and its regulations
- Perform work within the Ontario Electrical Safety Code and be able to communicate issues
- Ability to respond to after-hours emergency calls
- Instrumentation experience would be an asset