



## **Electrician II**

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### **DEFINITION**

This is leadhand work assisting a Foreman in the organizing and supervising, as well as participating in, the day-to-day activities of City of Edmonton, Electrician I and electrical apprentices engaged in the installation, renovation, maintenance and repair of electrical equipment, systems and apparatus.

Employees of this class will prepare and lay out work requirements and inspect work performed by City of Edmonton, electricians and electrical apprentices for adherence to contract specifications, government and department regulations/requirements.

Performs other related duties as required.

### **TYPE OF WORK**

- |                                       |  |
|---------------------------------------|--|
| <input type="checkbox"/> Unskilled    | <input type="checkbox"/> Journeyman                  |
| <input type="checkbox"/> Semi-skilled | <input checked="" type="checkbox"/> Above Journeyman |
| <input type="checkbox"/> Skilled      |  |

### **TYPICAL DUTIES \***

In accordance with the Canadian Electrical Code, applicable Federal, Provincial and City of Edmonton Bylaws and Standards are in conjunction with all rules and regulations of all authorities having jurisdiction:

Assists in the supervision of City of Edmonton electricians and electrical apprentices by planning and organizing, as well as participating in, the installation, renovation, maintenance repair and testing of electrical equipment and systems.

The coordinating of work of crews in accordance with predetermined plans.

Prepares electrical and wiring layout diagrams for new installations and renovation projects to be completed in-house.

Estimates quantity, type and cost of materials and labour required for specific projects to be completed in-house.

Meets with client department representative to discuss and assess work requirements of projects completed in-house.

Meets with client department representative to discuss proposed installations and renovations or repairs of projects to be completed in-house.

On a programmed basis, inspects and tests electrical equipment such as control systems.



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Communication systems (telephone, intercom and data), alarm systems (security, building and fire), heating controls (boilers, MUA, RTU and furnaces), high and low voltage supply and distribution systems, emergency power systems, Uninterrupted Power Supplies (UPS) and related electrical equipment.

Completes repairs on electrical equipment found as deficiencies while completing preventative maintenance.

Installs electrical materials and equipment, as required, to complete renovations and new installations in the City of Edmonton owned and leased facilities.

Installs electrical materials and equipment, as required, to provide temporary power supplies at or in City of Edmonton owned and leased facilities.

Recommends, to their foreman, modifications to, or replacement of faulty wiring and electrical equipment in City of Edmonton facilities.

Terminates and tests new equipment as required.

Completes non-scheduled service repairs on all electrical equipment on an as required basis.

Troubleshoots electrical equipment to locate the fault, repair/replace faulted components and place equipment back in service.

If fault is in the jurisdiction of another trade group, coordinate, through their foreman, repairs with that group.

Operates and is responsible for a vehicle and its stock including materials, tools and test equipment.

Performs other related duties as required.

### **SUPERVISORY/LEADHAND RESPONSIBILITIES**

Normally assigned leadhand supervision over journeyman and apprentices as required.

Is responsible for training and providing a safe work environment for City of Edmonton, electricians and electrical apprentices assigned to him.

Is responsible for communicating with their foreman, assigned electrical crews and other trade groups.

Other related duties as required.

### **ENVIRONMENTAL AND WORKING CONDITIONS**

Working conditions vary from work indoors in an office type environment to working in a high noise, temperature areas such as boiler, mechanical rooms, to working in all extremes of weather conditions, to work in close quarters such as confined spaces, working at heights on ladders and bucket trucks, etc.

Working conditions vary from working in multi-story office towers to underground LRT Stations to



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residential properties, to Police, Fire and Ambulance Stations to Repair/Fabrication Shops etc.

### TRAINING AND EXPERIENCE REQUIREMENTS

#### Job Level

Completion Grade 12

Possession of a First Class Journeyman Electrician Certificate

Possession of an Alberta Fire Alarm Maintenance Certificate

Minimum of 5 years related journeyman experience

Demonstrated supervisory ability

Strong decision making ability

Ability to; lead a team, work as a member of a team or to work independently on your own

Experience in the maintenance and repair of electrical equipment

Thorough knowledge of the electrical trade, troubleshooting and diagnostic skills

Thorough knowledge of relevant Occupational Health and Safety Standards

Ability to read and interpret blueprints

Computer skills an asset

#### On-the-Job Training

Ongoing training to keep abreast of advances in the electrical industry

Ongoing training to keep abreast of advances in the Health and Safety field

Ongoing training to develop interpersonal skills

\* *This is a class specification and not an individualized job description. A class specification represents and defines the general character, scope of duties and responsibilities of all positions within a specific job classification. It is not intended to describe nor does it necessarily list the essential job functions for a specific position in a classification. Positions may perform some of the duties listed above but this does not necessarily qualify for placement into this classification.*

Salary Plan	<u>62M</u>	<u>62D</u>
Job Code	1255	
Grade	030	
Last Updated:	2003-12	
Previous Updates:	1989-12	
Originated:	1980-07	