Funded in part by the Government of Canada's Union Training and Innovation Program

Electrical Safety
Arc Flash & Shock Based on (Z-462)

Topic:

Electrical Safety Arc Flash & Shock Based on (Z-462)

Background:

Arc flash and Shock Safety is designed to educate electricians on proper safety measures and procedures to prevent accident or injury caused by arc flash and electrical shock. Participants will learn about the dangers and causes of arc flash and electrical shock, the types of personal protective equipment (PPE) required, and how to properly use and maintain PPE. This course will cover Canadian regulations and standards related to arc flash and shock safety, as well as best practices for working safely on electrical equipment. Following course completion, participants will have the knowledge to keep themselves and their colleagues safe, while working with electrical equipment.

Outline:

- Arc Flash Statistics
- Introduction
- Standards
- Labels
- OH&S Regulations, Liabilities, and the Criminal Code of Canada
- Qualified and Unqualified Workers
- Electrical Hazards
- Determining safe approach boundaries
- Electricity in The Workplace – Risk and Risk Assessment
- Establishing an Electrically Safe Work Condition
- Personal Protective Equipment (PPE) and ASTM Guidelines
- Temporary and Portable Grounds
- Job Briefing and Work Permits
- Hazardous Energy Control Lockout/Tagout
- Switching Procedures
- Clearance Procedures for Overhead Power Lines
- Live-Line Tools and Testing Requirements
- Working On or Near Exposed Lines
- Substation Safety

Seating Distribution:

The ARC Flash (Z-462) seat distribution will remain as 12 seats per year until the end of the project. This will total to an amount of 36 seats over the course of the next 3 years.