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**Electrical Safety / Arc Flash Training**  
**Satisfies NFPA 70E**

**Applicability:**

All personnel who are responsible for the maintenance, installation, and troubleshooting of low and medium voltage electrical control and distribution equipment. Supervisors and safety managers of electrical maintenance employees.

**Prerequisites:**

A working understanding of electrical power distribution and control equipment.

**Frequency and Duration:**

This training program requires 8 hours to complete and certification lasts 3 years.

**Purpose and Overview:**

Safety Training Services, Inc. will conduct an instructor led training program that satisfies the OSHA & NFPA 70E standard. Upon completion of this course, participants will be able to:

- Identify electrical hazards in the workplace,
- Determine the personal protective equipment required based on the task to be performed,
- Identify safer alternatives to existing procedures,
- Establish an electrically safe work environment.

**The training topics will include the following:**

- Hazard assessment and prevention techniques.
- Equipment labeling per the national electrical code.
- Safety procedures, hazard assessment, lockout/tagout and protective grounding based on OSHA and NFPA standards.
- Selection and use of the proper test equipment.
- The effects of arc flash and blast.
- PPE selection, limitations, and maintenance.
- Electrical shock and shock prevention.
- Alternatives to unsafe procedures.
- Minimizing electrical safety hazards.
- New electrical system maintenance technologies.
- Breaker/fuse coordination and its impact on employee safety.
- Safe system restoration procedures.
- The relationship between electrical system maintenance and arc flash.
- Energized work permits.
- The dangers of improperly grounded electrical equipment.
- How to read your facility one line diagram.
- Electrical safety and chemicals.

**Training Materials: Each participant will receive copies of the presentation materials, and a certificate of completion will be awarded at the conclusion of the session.**

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