

Protecting your most valuable resource - your people.

EnSafe offers National Fire Protection Association (NFPA) 70E (Electrical Safety in the Workplace) professional services to assist our clients in complying with Occupational Safety and Health Administration's (OSHA) rules 29 CFR 1910 Subpart I, Sections 132—139 and in implementing an effective electrical Arc Flash Hazard program. Rely on our expertise to conduct Arc Flash Hazard Assessments, develop/maintain Electrical Safety Programs, and conduct applicable NFPA 70E onsite employee training.

creative thinking. custom solutions.

STEPS TO COMPLIANCE

1. Become familiar with the current NFPA 70E 2021 Edition "Electrical Safety in the Workplace" standards
2. Conduct an Arc Flash Hazard Assessment
3. Print and install Arc Flash Hazard labeling for electrical equipment
4. Generate and implement an Electrical Safety Program
5. Provide the proper personal protective equipment (PPE) for employees
6. Perform NFPA 70E training for Qualified and Non-Qualified employees

FOCUS ON ARC FLASH HAZARDS

Arc Flash Hazards should be a focus since at least a third of the more than 7,000 electrical shock injuries each year are the result of an arc flash. An arc flash event usually occurs as a result of inadvertent contact between an energized conductor and another energized conductor, a grounded conductor, or an earthed surface. The resulting electrical fault can cause considerable damage to property and severe injury or death to an employee.

THOROUGH ASSESSMENT

A proper Arc Flash Hazard Assessment confirms whether exposure to an arc flash hazard exists, the degree of exposure, the specific control process needed, and the need for and type of PPE that will provide the necessary protection.

SPECIFIC ELECTRICAL SAFETY PROGRAM ELEMENTS

An Electrical Safety Program is a necessary element of the overall safety program for any company or organization. Since exposure to electrical hazards differ from other energy sources, specific safety requirements are also different.

OSHA REQUIREMENTS

OSHA requires employers to perform Arc Flash Hazard Assessments for their facilities, provide PPE for each hazard identified in an assessment, and train employees so they can select and wear the PPE that will afford protection from each hazard identified in the Arc Flash Hazard Assessment.

- Earth ground and equipment ground testing of electrical systems
- Thermal imaging of electrical systems (circuit parts, conductors, devices, etc.)
- Voltage/amperage logging of electrical systems
- Retrofitting integral devices for industrial control panels, switchgear, panelboards, etc. to achieve NFPA 70E compliance
- Constructing NFPA 70E and National Electrical Code-compliant industrial control panels
- Altering or repairing NFPA 70E and National Electrical Code non-compliant electrical system components

Technical Expertise

- Certified Safety Professionals
- Master Electricians
- Electrical Engineers

Clients

- Sanford North America
- ConAgra
- Robert Bosch
- Confidential Aerospace Manufacturer
- Pratt & Whitney
- General Shale Brick

Contact Us

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