

Electrical Safety Awareness Seminar for Managers, Safety Professionals and other Non-Electrical Personnel



Are workers properly trained and protected?

Are you prepared to comply with industry safety regulations, mandates and standards?

- Five to Ten Arc Flash Explosions occur in electrical equipment every day in the US (Source CapSchell, Inc.)
- Approximately 1,000 fatalities occur each year due to electrocution, over half of them while servicing energized systems <600 volts
- When employees are required to work where there is a potential electrical hazard, OSHA Subpart S 1910.335 calls for the employer to provide electrical protective equipment that is appropriate for the specific parts of the body to be protected and for the work to be performed
- Employers are responsible for performing a hazard assessment
- Following NFPA 70E® can help bring you into compliance with Hazard Assessment and PPE Selection requirements with OSHA 1910
- Proper planning and implementation of an arc flash and electrical safety program can help improve worker safety, and save you time and money

OSHA 1910.332 Provides Training Requirements and Typical Occupational Categories of Employees Facing a Higher Than Normal Risk of Electrical Accidents (Table S-4). Examples include Blue Collar Supervisors, Equipment Technicians and Assemblers, Industrial Machine Operators, Painters, Welders, Electricians, etc.

APS PowerSafetyPRO™ professionals provide the information you need to help you provide for a safe workplace. We help you understand, obtain and maintain compliance with industry standards, regulations and mandates. Your instructor, Gary P. Larkins, has extensive field and classroom instruction experience. Visit our website or contact us for details or references.

APS
Advanced Power Solutions

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Course Description - This half-day electrical safety awareness seminar provides the participant with a basic understanding of electrical hazards, industry standards, regulations and mandates, including an overview of NFPA 70E® and State/Fed OSHA legal requirements. The industry experienced instructor led class includes: workbooks, video clips, case studies, examples, and PPE demonstration.

Objectives:

- Understand the hazards of working with and around electricity including Arc Flash, Arc Blast and Electrical Shock
- Learn how to comply with key elements of NFPA 70E® Standards & OSHA Requirements
- Understand the difference between “qualified” & “non-qualified” personnel and how personnel can achieve “qualified” status
- Learn how an effective electrical safety program can reduce costs, improve worker safety and provide regulatory compliance
- Review important considerations Personal Protective Equipment (PPE) selection, application and maintenance
- Learn about key requirements for Energized Work Permits, Job Hazard Assessment and Job Briefings
- Learn about contractor and facility responsibilities for personnel safety
- Developing a strategy for evaluating Arc Flash & Shock Hazards
- Walk away with a “hit list” of items to help improve worker safety



Who Should Attend the Awareness Seminar:

- Safety Personnel
- Management Personnel
- Operations Personnel
- Emergency Response Team Members
- Engineers
- Maintenance Personnel

APS recommends 8 hour and 16 hour electrical safety classes for personnel performing energized electrical work. Contact us for

Contact us for consultation or a proposal for:

- 8 or 16 hr. Electrical Safety Training Courses (*ask about CEU's*)
- Safety Program Development and Consulting
- Safety Program Templates
- Arc Flash Assessment
- Risk Assessment Training
- Electrical Safety Audits
- Personal Protective Equipment

Seminar Outline

- Electrical Arc Flash, Blast, and Shock Hazards
- Injury Causes/Consequences
- Financial Impact of Injuries
- Key OSHA 1910 & NFPA 70E® Requirements
- Key Elements of an Effective Electrical Safety Program
- Electrical Lockout-Tagout
- Requirements for Resetting Circuit Breakers
- Personal Protective Equipment (PPE) Selection & Application

- Safety Tools and Equipment
- Arc Flash and Electric Shock Boundaries
- Energized Work Permits
- Job Briefings
- Justification for Energized Work
- Owners Responsibility for Contractors and Service Providers
- Training Requirements
- Emergency Response Team Considerations
- Planning for Arc Flash Hazard Assessments

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