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OSHA Electrical Safety Training for Workplace Safety

Course details: <https://electricityforum.com/electrical-training/osha-electrical-safety-training>

COURSE DATES AND TIMES

OSHA Electrical Safety Training is crucial to ensuring workplace safety for employees exposed to electrical hazards. The Occupational Safety and Health Administration (OSHA) is a federal agency that regulates and enforces workplace safety standards in the United States. They have set guidelines for electrical safety training to help prevent accidents caused by electricity.

OSHA Electrical Safety Training is critical to ensure workplace safety. Employers must follow OSHA standards to protect their employees from electrical hazards. They must provide the necessary training, equipment, and PPE to comply with the regulations. By doing so, employers can help prevent accidents and injuries caused by electricity in the workplace.

The OSHA standard for electrical safety is the Electrical Standard (29 CFR 1910.302-308). It outlines the requirements for electrical installations, wiring methods, and equipment operating in the general industry. This standard also includes safety-related work practices for employees who work with electric equipment and establishes the minimum training requirements for employees exposed to electrical hazards.

OSHA electrical safety training includes electrical circuits, electric shock, and electrical equipment instruction. It also covers using personal protective equipment (PPE) and other safety measures. Successful completion of the training is necessary to ensure that employees are aware of electrical hazards and how to protect themselves from them.

To comply with OSHA regulations, employers must provide training to their employees who are exposed to electrical hazards. This training must be specific to the work they are performing and the electrical equipment they are using. Employers must also provide PPE to employees exposed to electrical hazards.

OSHA 29 CFR 1910 Training Course Description

This training course complies with the training mandates under OSHA 1910.269 and is targeted at Generation, Transmission and Distribution qualified electrical workers.

Students will learn the importance of creating a safe work environment by better assessing potential electrical hazards and proper personal work practices and PPE requirements.

Students will review the OSHA-specific requirements for working near high-voltage electrical systems, including:

- Personal protective grounding
- Equipment grounding
- Live line tools
- PPE selection
- Lockout/Tagout (LOTO)

Training will address power generation, overhead and underground lines and NESC applications.

You and your contractors must be updated with a seven-fold increase in OSHA's penalty structure for violations and proposed revisions to allow harsher criminal negligence citations.

LEARNING OBJECTIVES

- OSHA Regulations 1910.269, being qualified and working safely
- Types of arcs and what happens when you are exposed to an arc flash
- Arc flash PPE and how it works
- Public safety (limited approach) boundaries
- Minimum approach distance
- Testing and verifying equipment is de-energized
- Arc flash PPE requirements
- Personal clothing issues and how to avoid them
- Arc flash boundary concept
- Basic hazard assessment
- Difference between NESC, NFPA 70E and OSHA 1910.269 affecting utility workers

WHO SHOULD ATTEND

Students who will benefit from attending this course include:

- HV Electricians
- Linemen
- Utility safety directors
- RECC or IOU utility managers
- Meter service workers
- Underground network linemen/cablemen

Other people who are frequently impacted by this training:

- Electrical maintenance technicians

- Energy management personnel
- Fire Alarm Technicians
- Plant & facility maintenance technicians
- Building engineers
- Building managers & superintendents
- Plant & facility managers

STUDENTS RECEIVE

- **FREE** Electricity Forum 120-Page Arc Flash/Electrical Safety Handbook (Value \$20.00)
- **\$100 Coupon** Toward Any Future Electricity Forum Event (Restrictions Apply)
- 1.2 Continuing Education Unit (CEU) Credits (12 Professional Development Hours)
- **FREE** Magazine Subscription (Value \$20.00)
- Course Materials In PDF Format

COURSE OUTLINE

OSHA Electrical Training Course Outline

I. Introduction to OSHA Electrical Safety Training

- Course objectives
- Overview of OSHA and electrical safety regulations
- The importance of electrical safety in the workplace

II. Understanding Electrical Hazards

- Electrical hazards and their effects on the body
- Common electrical hazards in the workplace
- Electrical safety in industrial plants

III. OSHA Standards and Regulations

- Overview of OSHA electrical safety standards (29 CFR 1910.269, NFPA 70E, ANSI C2)
- OSHA standards development and compliance

IV. Electrical Equipment and Circuits

- Understanding electrical circuits and components
- Electrical equipment and machinery
- Personal protective equipment (PPE) for electrical work

V. Electrical Safety-Related Work Practices

- Qualified person requirements
- Training requirements (29 CFR 1910.332)
- Selection and use of work practices (29 CFR 1910.333)
- Lockout/Tagout (LOTO) procedures (29 CFR 1910.147)
- Working on de-energized parts (29 CFR 1910.333(A)(1))
- Working on or near exposed energized parts (29 CFR 1910.333(C))
- Test instruments and equipment (29 CFR 1910.334(C))
- Safeguards for personnel protection (29 CFR 1910.335)

VI. OSHA Electrical Safety Training Requirements

- General requirements for electrical safety training
- Training requirements for employees exposed to electrical hazards (29 CFR 1910.269)
- Successful completion of OSHA electrical safety training

VII. Interactive Activities and Assessments

- Interactive activities to reinforce key concepts (e.g., case studies, simulations, hands-on exercises)
- Quizzes and assessments to measure understanding of the material

VIII. References and Resources

- Relevant OSHA standards and regulations
- Additional resources for electrical safety training

Contact us Today for a FREE quotation to deliver this course at your company's location.

<https://electricityforum.com/onsite-requestforquote>