

# OSHA Generation, Transmission and Distribution

2 Days, 1.6 CEUs

The latest Final Rule for 1910.269 Electric Power Generation and Distribution was released in April of 2014. This course is designed to familiarize all participants with the requirements in the standard. OSHA requires training for all employees that perform work which could put them at risk from electrical hazards. Electrical hazards cause hundreds of deaths and thousands of injuries in the workplace every year. Electrical hazards are one of OSHA's "Fatal Four."

OSHA's electrical standards are designed to protect employees exposed to dangers such as electric shock, electrocution, fires, and explosions. The language, interpretation and application of these standards can be difficult. A thorough understanding of OSHA electrical safety requirements, as they apply to your workplace, is essential for minimizing electrical accidents and ensuring compliance.

This course is intended for any personnel that work on or around power generation, transmission and distribution equipment operating at 600 volts or more.

## Classroom Attire:

AVO is committed to the personal safety of each participant and requires appropriate wearing apparel for lab activities. Long pants and ANSI rated "safety toe" work shoes are acceptable as meeting this requirement. Lecture courses may involve a tour of a work or shop area and for this reason open-toe shoes and shorts are not considered appropriate attire for the classroom.

## Learning Objectives:

Upon completion of this course, the participant will demonstrate, by attaining a minimum grade of 80% in the final exam, that he/she is able to:

- Explain the hazards and effects of electricity.
- Show the source of electrical regulations and standards.
- Describe training requirements for qualified workers, working on or near generation, transmission and distribution types of construction.
- Outline requirements for work performed on electrical power installations and equipment.
- Relate the OSHA requirements for first aid, CPR, and emergency rescue.
- Summarize the hazardous energy control requirements of 1910.269(d) and (m).

## SCOPE

### Day 1\*

#### I. Introduction

#### II. Hazards of Electricity

- A. Electrical Shock
- B. Electrical Arc Flash
- C. Electrical Arc Blast

#### III. Electrical Safety Regulations and Standards

- A. Who is OSHA?
- B. Overview of the Regulations and Standards

### Day 2

#### IV. Electric Power Generation, Transmission, and Distribution

- A. Overview of Electrical Power Systems
- B. OSHA 1910.269 - Electric Power Generation, Transmission and Distribution

#### V. Conclusion

- A. Review
- B. Final Exam

\*Class scheduling times may vary based on discussions and size of class

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