

OSHA Generation, Transmission and Distribution

2 Days, 1.4 CEUs

This course is designed to familiarize all participants with the requirements of the 1910.269 Electric Power Generation and Distribution Rule. 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.

Lab and Classroom Attire

AVO Training Institute is committed to the personal safety of each participant and require long pants and ANSI rated "safety-toe" work shoes for lab activities. 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

To receive 1.4 CEUs, participants must attend 2 days of class (14 contact hours) and attain a minimum grade of 80% on the final exam. Upon completion of this course the participant will demonstrate 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* (7 contact hours)

- I. Introduction (0.5 hr)
 - A. Schedule
 - B. Course Outline
- II. Hazards of Electricity (3.5 hrs)
 - A. Electrical Shock
 - B. Electrical Arc Flash
 - C. Electrical Arc Blast

- III. Electrical Safety Regulations and Standards (3 hrs)
 - A. OSHA
 - B. Overview of the Regulations and Standards

Day 2 (7 contact hours)

- IV. Electric Power Generation, Transmission and Distribution (6.5 hrs)

- A. Overview of electrical power systems
- B. OSHA 1910.269 - Electric Power Generation, Transmission and Distribution
- V. Conclusion (0.5 hr)
 - A. Review
 - B. Final Exam

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



STANDARD EQUIPMENT LIST
OSHA Generation, Transmission and Distribution

REVISED: 12/2017

COURSE NO. 260, REV 4

BY: C. HELMICK

DAYS: 2

TEXT (PER 1 STUDENT)	
1	<i>OSHA GENERATION, TRANSMISSION AND DISTRIBUTION - COURSE #260 REV4, MAY 2020</i>

MATERIALS NEEDED (PER CLASSROOM)	
QUANTITY	ITEM
*1	PROJECTOR OR TV WITH PROJECTION CAPABILITIES
*1	DRY ERASE BOARD WITH MARKERS AND ERASERS
*10	STUDENT TABLES
*10	STUDENT CHAIRS

FOR VIRTUAL CLASSES:

CONTENT MATERIAL WILL BE PROVIDED IN DIGITAL FORMAT

NOTE: All items indicated with an asterisk (*) must be supplied by the client on On-Site courses