Subject Category: Electrical Safety
Course Prerequisite: None
Course Length: 2 hours
Medical Approval: None
Delivery Mode: Classroom
Frequency: Every 3 years

Course Purpose:
The purpose of the course is to familiarize the student with electrical safety work practices required for non-QEWs (Qualified Electrical Workers) to perform non-hazardous operation of electrical devices (switching) on premises wiring panelboards, circuit breakers or disconnect switches rated at 15 Amps or greater.

Course Objectives: Upon completion of the course the student will be able to:

- Define non-hazardous switching and determine when a non-QEW can switch.
- Explain the nature of electrical switching.
- Describe some common electrical switching devices.
- Defining hazardous switching (QEW required) and the restrictions and limits of each QEW level (1, 2, 3)
- Discuss failure in switching devices.
- Recognize shock and arc flash hazards as applied to switching activities.
- Demonstrate proper body positioning for electrical switching.
- Interpret contributing factors and conditions when deciding whether to reclose a tripped breaker.

Subject Matter Expert: Mark Scott, Stephanie Collins


Course Instructional Materials: PowerPoint presentation and video

Performance Criteria: Student must pass a written test to demonstrate their understanding of the conditions that must be met for electrical switching to be considered non-hazardous and the PPE and body positioning required to perform the action safely in order to receive course credit.