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**Course: Substation Orientation**

**Location:** Employee Development Center (EDC) – Red Deer

**Delivery Method:** Classroom/Lab

**Course Length:** 3 days

**Scope of Training:** This course is intended to provide an orientation to safe work practices and basic switching procedures performed in electrical substations.

**Target Audience:** Any employee requiring a basic understanding of switching in substations.

**Subject Matter:**

The course will include general knowledge of the industry and grid system covering:

- Power grid system overview
- Basic switching concepts
- Electrical safety and hazard awareness (MAD, step and touch, fault current)
- System trouble overview
- Basic troubleshooting procedures
- Industry and trade terminology
- Switching SLD reading
- Switching tools and pre-use inspections
- Pre-job checks
- Observer requirements

**Learning Objectives:**

At the completion of this session the participants will be able to:

- Identify common hazards and mitigations when working within a substation
- Recognize common substation apparatus
- Comprehend the concepts and work procedures for switching in a substation

**Maximum Class Size:** 6 students

**Estimated Cost:** \$13,500.00/session

Please contact us at [edcexternaltraining@fortisalberta.com](mailto:edcexternaltraining@fortisalberta.com) with questions regarding a firm quote as these costs are estimated and details about the course and delivery.