



WECC System Operator Training Schedulers

Emphasis of this class is to familiarize schedulers and marketers, who may be new to power system operations, with the basic principles of system operations. **Schedulers** is a week-long class (Monday 1:00 pm – Friday 12:00 pm) that offers each student **30 NERC Continuing Education (CE) Hours**, including six (6) NERC CE hours of NERC Standards and eight (8) NERC CE hours of simulation.

Primary Topics include:

- Operating Basics (generation, transmission, power transfer, system limits, etc.)
- Balancing Authority Concepts and Obligations
- Roles of:
 - The United States Federal Energy Regulatory Commission (FERC)
 - The North American Electric Reliability Corporation (NERC)
 - The North American Energy Standards Board (NAESB)
 - The Western Electricity Coordinating Council (WECC)
- Interchange Principles
- NERC and WECC Tagging Principles
- Inadvertent Interchange Principles
- Interchange Scheduling Agreements
- Unscheduled Flow Principles
- WECC Unscheduled Flow Mitigation Plan
- Open Access Same Time Information System (OASIS)
- WECC WebSAS Tool
- WECC Western Interchange Tool (WIT)

The following simulation modules, using the PALCO* system, are included in the class. Additional Modules may be added as they are developed to enhance understanding of the covered topics.

- Introduction to the PALCO System (how to use the simulator)
- Open Access for North American Transmission System
- ATC Calculations
- Transmission Reservation & E-Tags
- Introduction to North American Energy Markets
- Automatic Generation Control

*PALCO is a fictional 29-station power system

Students will also utilize an XCEL based simulator to allow students to write and execute generic switching orders on various types of substation bus and transmission line configurations. The XCEL simulator will allow students to identify potential relay schemes and disable if required to successfully remove requested equipment from service.