



Welcome to the 2019 WECC Area Restoration Drill

Log Into DTS 02

Forms submitted after the Restoration Drill include:

1. Sign-in sheet for today
2. System Operator Scorecards
3. Class evaluation from each participant
4. Restoration update sheets
5. Log sheets

Please make sure that the participant's name, and NERC Certification # is on the checklist as well as the Proctor's name.

Send documents from this drill to:

peakrctraining@peakrc.com

Schedule for today (in Pacific Time Zone):

- | | |
|-------------|--|
| 0700 – 0830 | DTS Review + Study Application |
| 0830 – 0845 | System Assessment - DTS will be Down |
| 0845 – 1100 | System Assessment & Restoration |
| 1100 – 1130 | Lunch (30 minutes) – DTS will be Down |
| 1130 – 1200 | DTS - Modes of AGC |
| 1200 – 1500 | Restoration |
| 1500 – 1530 | Restoration Debrief |



Objectives

- While communicating with RC/entities, utilize proper 3-part communication
- Perform system restoration using proper procedures
- Following a major system disturbance resulting in islands, perform comprehensive system assessment
- Restore interconnection and critical loads in controlled/diligent manner
- Log device/station operations (need for CEHs)
- Maintain adequate generation reserves to cover MSSC

Things to Remember

- Be aware of cold-load pickup.
- Entering Tap Changes or AVR target voltage.
- Pay attention to voltage, frequency, and overloads.
- Notify/Report progress to your RCSO.
- Prior to synchronizing systems/islands, set limits on tie lines.
- Trouble maintaining Frequency, Voltage, call RC Training or DTS Engineering for assistance.
- Limit load pickup to 3-5% of online generation capacity. Adjust load **and vars** prior to energizing.

- Be cognizant of Ferranti rise when closing in long EHV lines.
- Bringing unit online verify AVR settings. Small adjustments (+/- .01 p.u.).
- Units connected to common bus or close proximity – AVR's should be matched or close.