Review of 2007 Summer Workshops



Tami Elliott
Manager, Operations Procedures & Training



Board of Governors General Session May 30-31, 2007

Objectives and Sponsors of the 2007 Summer Workshops:

Summer Workshop 2007 Objectives –

- Prepare for Summer Operations
- Knowledge Transfer

Summer Workshop Sponsors

- California Electric Training Advisory Committee (CETAC)
- CETAC members: Trainers, Training Coordinators, and Training Managers from CAISO; CMRC; PG&E; SCE; SDG&E; LADWP; SMUD; NCPA; WAPA; TID; CDWR



24 Entities Sent Over 400 Participants to the 2007 Summer Workshops

- BPA
- CAISO
- Cities of Azusa, Burbank, Glendale, Pasadena, Redding and Riverside
- CDWR
- CFE
- CMRC
- CPUC
- IID
- LADWP

- NCPA
- PG&E
- PNSC
- RDRC
- SCE
- SDG&E
- SMUD
- TID
- USBR
- WAPA



Curriculum Meets NERC Training Requirements

NERC Training Requirement = 32 Hours

- As per NERC Standard PER-002-0

24 Hours of Lectures/Instructor Led Courses

- Blackstart Fundamentals, Emergency Operations, Summer Assessment, Voltage Regulation & Stability, Generation Excitation & IROL/SOL; Situational Awareness during Restoration
- Technical Principles and Practices

8 Hours of Decision Making Activities & Assessments

- Knowledge Transfer
- Voltage Control, Blackstart, IROL, Emergency Operations, Communication during Relay Testing



Workshops overall rating = Very Positive!

Testimonials- the best part of the Workshops:

- Hands On Approach—Interaction with everyone at the table SDGE
- Fast paced good materials good instructors LADWP
- Liked the requirement that <u>everyone</u> in each group participate –
 SCE
- I appreciated the interaction with the personnel from the other utilities - SMUD
- Being in the company of highly skilled operators TID



Workshops overall rating = Very Positive!

More Testimonials- the best part of the Workshops:

- To see what the other utilities have to deal with on a day-to-day basis; and what ISO does about it - CDWR
- This program is something you should be proud of BPA
- I have received rave reviews from the CETAC training that our folks attended this year. The consensus is that our entire shop should attend next year, so we will work to that end. Thanks for having us, and thanks for the hard work and quality training. See you next year. - Steve Johnson/RDRC Lead Reliability Coordinator

