WIRAB Monthly Update

Eric Baran
WIRAB Staff

October 3, 2019
Outline

• Introductions and Roll Call

• WECC:
  — RC Certification Update

• FERC:
  — Grid Enhancing Technologies Technical Workshop

• Other WIRAB Activities
  — Fall 2019 Joint CREPC-WIRAB Meeting
WECC: Reliability Coordinator Certification Update

- **CAISO RC West** (phase II) is in shadow operations through 11/1/19. New Energy Management System in production
- **SPP** begins shadow operations 10/7/19. Onsite review 10/9.
- **BCHydro** is Live
- **GridForce** has requested to postpone their certification as an RC.
FERC Technical Workshop: Grid Enhancing Technologies

• **Follow up to Managing Transmission Line Ratings Technical Conference:**
  — Discuss how grid-enhancing technologies are currently used in transmission planning and operations,
  — The challenges to their deployment and implementation, and
  — What the Commission can do regarding those challenges.

• **Technologies of Focus:**
  — Power flow control and transmission switching equipment;
  — Storage technologies, and
  — Advanced line rating management
WIRAB re-nominated Brett Wangen, GridSME, to discuss:

— Synchrophasors as an enabling technology in the West:
  - 2011: Entities in the Western Interconnection installed nearly 400 PMUs through funding from the U.S. DOE.
  - Now: The West has over 790 PMUs connected with ever-improving data availability and quality that:
    - Can be used in RAS models to unlock capacity on the transmission system,
    - Can be used as an alternate method for determining real-time facility ratings,
    - Can improve grid resiliency through direct measurement of system conditions, and
    - Can help address the reliability challenges with inverter-based technologies.

— WIRAB staff will schedule a webinar later in October to preview Brett’s comments and to educate WIRAB members on this important topic

- Date and Time: TBD
Fall 2019 Joint CREPC-WIRAB Meeting

• Agenda Items:
  — Wildfire Risk and Grid Resilience
  — Inter-regional Transmission Planning in the West
  — Small Modular Reactors
  — Markets Discussion
  — Carbon Management Policies in the West
  — Western Interconnection Flexibility Assessment
  — Resource Adequacy
  — Cost of Storage and other Capacity Resources
  — Small Signal Issues in Bulk Electric System Reliability
Upcoming WIRAB Meetings

WIRAB Monthly Teleconference Meeting:
First Thursday of every month at 11:00 AM MT
Next Meeting: November 7, 2019 at 11:00 AM MT

Spring 2020 Joint CREPC-WIRAB Meeting
April 30 - May 1, 2020 in Albuquerque, NM

Fall 2020 Joint CREPC-WIRAB Meeting
October 28-30, 2020 in San Diego, CA
Thank You

Maury Galbraith
mgalbraith@westernenergyboard.org
720-897-4601