

1. Welcome, Call to Order

Robby Anderst, Underfrequency Load Shedding Work Group (UFLSWG) Chair, called the meeting to order at 2:03 p.m. MT on September 13, 2022. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

2. Review WECC Antitrust Policy

Kent Bolton, Senior System Stability Planning Engineer, read aloud the WECC Antitrust Policy statement. The meeting agenda included a link to the posted policy.

3. Approve Agenda

Mr. Anderst introduced the proposed meeting agenda.

By consensus, the UFLSWG approved the agenda.

4. Review and Approve Previous Meeting Minutes

Mr. Anderst introduced the minutes from the meeting on August 31, 2022.

By consensus, the UFLSWG approved the minutes from August 31, 2022.

5. Review Previous Action Items

The action items will be reviewed during a future meeting.

6. Compliance Discussion

Phil O'Donnell, Senior Technical Advisor, explained the UFLS program. Mr. O'Donnell gave an overview of the PRC-006 Standard. He explained how to validate the Corrective Action Plan and the importance of reporting it even though it is not a requirement. Mr. O'Donnell also emphasized the importance of participating in the Corrective Action Plan as a primary contact. He also discussed the studies run for the UFLS program and how WECC uses the Corrective Action Plan when there are deficiencies in the studies.

7. Simulation Setup

Mr. Bolton demonstrated how to set up the island assessment simulations in PowerWorld. He taught the group how to use the equation for imbalance for PRC-006-5 and how to set up the files WECC uses to run the island assessment simulations.

Mr. Bolton explained how to recalculate the generation and load when generator units are unstable. The UFLSWG discussed which transmission lines should and should not be tripped during the simulation. The work group also discussed the benefits of having a team site to access the different base cases.

8. Simulation Performance

Tyson Niemann, System Stability Engineer, demonstrated how to edit .aux files and OTG files from PSLF to run the island simulation assessment in PowerWorld. Mr. Niemann taught the group the file settings to run the simulation in PowerWorld and showed the group how processing the different assessments in PowerWorld looks. The group discussed the switch from PSLF to PowerWorld. PowerWorld can process bigger voltage disturbances than PSLF. The group discussed adding requirements for voltage when using PowerWorld.

9. Public Comment

No comments were offered.

10. Review New Action Items

There were no new action items created during this meeting.

11. Upcoming Meetings

September 27, 2022	Virtual
October 11, 2022.....	Virtual
October 25, 2022.....	Virtual

12. Adjourn

Mr. Anderst adjourned the meeting without objection at 3:10 p.m.



Exhibit A: Attendance List

Members in Attendance

Robby Anderst Puget Sound Energy, Inc.
 Daniel Cervantes Los Angeles Department of Water and Power
 Gary Farmer Western Area Power Administration
 Curt Feinberg Tri-State Generation and Transmission—Reliability
 Matthew Gomez Southern California Edison Company
 Mensur Haskovic Western Area Power Administration
 Jay Largo Bonneville Power Administration
 Ralph Liu Alberta Electric System Operator
 Danny Miranda Arizona Public Service Company
 Tyler Pearce Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives)
 Karen Reedy Public Service Company of New Mexico
 Milton Savier Pacific Gas and Electric Company
 Prabal Singh Sacramento Municipal Utility District
 GuiHua Wang British Columbia Hydro and Power Authority
 Han Yu British Columbia Hydro and Power Authority

Members not in Attendance

Scott Beyer Western Power Pool (formerly Northwest Power Pool Corporation)
 Desmond Chan Seattle City Light
 Dennis Chesnakov Public Utility District No. 2 of Grant County
 Fangfang Du PacifiCorp
 Alex Ford NV Energy
 Christopher Fuchs California Independent System Operator
 Jennifer Galaway Portland General Electric Company
 Richard Hydzik Avista Corporation
 Todd Lichtas Tucson Electric Power
 Daniel McGuire Salt River Project



Nik Mikelsons Portland General Electric Company
 Patrick Perry Idaho Power Company
 Bradley Postovoit Southern California Edison Company
 David Quashie Public Utility District No. 1 of Snohomish County
 Atique Rahman Los Angeles Department of Water and Power
 Hari Singh Public Service Company of Colorado (Xcel Energy)
 Dwane Small Public Utility District No. 1 of Snohomish County
 Dede Subakti California Independent System Operator
 Gary Trent Tucson Electric Power
 Nathan Wilson PacifiCorp
 Janice Zewe Sacramento Municipal Utility District
 Songzhe Zhu GridBright, Inc.

Others in Attendance

Adrien Andreoiu British Columbia Hydro and Power Authority
 Daja Bell WECC
 Kent Bolton WECC
 Kevin Brooks Southern California Edison Company
 Natalie Carter WECC
 James Jang Bonneville Power Administration
 Anne Kronshange
 Kimmy McIntyre Portland General Electric Company
 Tyson Nieman WECC
 Phil O'Donnell WECC
 Karen Reedy Public Service Company of New Mexico
 Matthew Truscott Public Utility District No. 2 of Grant County
 Guihua Wang British Columbia Hydro and Power Authority
 Alan Xu British Columbia Hydro and Power Authority
 Han Yu British Columbia Hydro and Power Authority



