

1. Welcome, Call to Order

Robby Anderst, Underfrequency Load Shedding Work Group (UFLSWG) Chair, called the meeting to order at 2:00 p.m. MT on December 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 Systems Stability 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 November 29, 2022

By consensus, the UFLSWG approved the minutes from November 29, 2022.

5. Review Previous Action Items

Nicole Lee, Administrative Coordinator, reviewed action items carried over from the UFLSWG meeting on November 29, 2022. Action items that are not closed and will be carried forward can be found [here](#).

6. UFLS Assessment Methodology

Mr. Anderst presented the UFLS Assessment Methodology. WECC's technical writer made some modifications and updates. The UFLSWG discussed keeping the methodology name or changing it to method. It will be researched further and reported back to the UFLSWG.

The presentation is posted to the [WECC website](#).

7. Assessment Report Recommendations

Mr. Anderst presented the Assessment Report Recommendations. The UFLS discussed that the Planning Coordinators' (PC) will need to investigate violations and the possibility of



researching additional simulations. Mr. Anderst will email the PC's that have units with V/Hz violations within their control area. The UFLSWG was encouraged to review the report and add comments prior to the next meeting.

The presentation is posted to the closed [team site](#).

8. Public Comment

The UFLSWG discussed scheduling bi-weekly recurring meetings beginning January 10, 2023.

9. Review New Action Items

- Add the charter discussion to the next meeting.
 - Assigned To: Kent Bolton
 - Due Date: January 10, 2023
- Follow up with tech writer about using the Methodology name.
 - Assigned To: Kent Bolton
 - Due Date: January 10, 2023
- Post the UFLS Assessment Method to the team site.
 - Assigned To: Kent Bolton
 - Due Date: January 10, 2023
- Send an email to PC's that have units with V/Hz violations in their control area.
 - Assigned To: Robby Anderst
 - Due Date: January 10, 2023
- Review the Methodology Report and add comments.
 - Assigned To: UFLSWG
 - Due Date: January 10, 2023

10. Upcoming Meetings

January 10, 2023Virtual

January 24, 2023Virtual

February 7, 2023Virtual

11. Adjourn

Mr. Anderst adjourned the meeting without objection at 2:56 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
Alex Ford NV Energy
Mensur Haskovic Western Area Power Administration
Daniel Johnson Jr. Black Hills Corporation
Jay Largo Bonneville Power Administration
Ralph Liu Alberta Electric System Operator
Nima Miri Seattle City Light
David Quashie Public Utility District No. 1 of Snohomish County
Karen Reedy Public Service Company of New Mexico
Anthony Rendon Salt River Project
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)
Dennis Chesnakov Public Utility District No. 2 of Grant County
Fangfang Du PacifiCorp
Christopher Fuchs California Independent System Operator
Jennifer Galaway Portland General Electric Company
Matthew Gomez Southern California Edison Company
Richard Hydzik Avista Corporation
Todd Lichtas Tucson Electric Power
Nik Mikelsons Portland General Electric Company



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Danny Miranda..... Arizona Public Service Company
Tyler Pearce Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives)
Patrick Perry.....Idaho Power Company
Atique Rahman Los Angeles Department of Water and Power
Bill Robertson.....Salt River Project
Milton Savier Pacific Gas and Electric Company
Hari Singh.....Public Service Company of Colorado (Xcel Energy)
Dwane Small Public Utility District No. 1 of Snohomish County
Dede SubaktiCalifornia Independent System Operator
Gary Trent..... Tucson Electric Power
Nathan Wilson PacifiCorp
Janice Zewe..... Sacramento Municipal Utility District
Songzhe Zhu..... GridBright, Inc.

Others in Attendance

Nathan Bean.....Southwest Power Pool
Kent Bolton.....WECC
Jonathan Hayes.....Southwest Power Pool
James Jang..... Bonneville Power Administration
Anne Kronshage Public Service District No. 1 of Chelan County
Christopher Lamb..... Public Service District No. 1 of Chelan County
Nicole LeeWECC
Jeff McDiamidSouthwest Power Pool
Kimmy McIntyre Pacific Gas and Electric Company
Ruben Muranda.....Public Service Company of New Mexico
Tyson Niemann.....WECC
Mark Pigman.....City of Tacoma
Jim Smith..... Bonneville Power Administration
Muhammad Tayyab.....Western Area Power Administration



Ohad Wand British Columbia Hydro and Power Authority

