

1. Welcome, Call to Order

Robby Anderst, Underfrequency Load Shedding Work Group (UFLSWG) Chair, called the meeting to order at 2:05 p.m. MT on January 10, 2023. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

2. Review WECC Antitrust Policy

Kent Bolton, Senior Engineer System Stability, 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 December 13, 2022.

By consensus, the UFLSWG approved the minutes from December 13, 2022.

5. Review Previous Action Items

Marie Smith, Administrative Coordinator reviewed action items carried over from the UFLSWG meeting on December 13, 2022. Action items that are not closed and will be carried forward can be found [here](#).

6. Charter Discussion

Mr. Bolton led the discussion on the UFLSWG Charter changes made by the Joint Guidance Committee (JGC). The JGC decided that the UFLSWG would remain a work group. There will be an assessment that should occur every two years or five years of the group determined by the Reliability Assessment Committee (RAC). The RAC will work with the work group to decide on the structure of the UFLSWG.

The UFLSWG discussed the annual underutilization data that is normally reviewed by WECC staff and whether this item should be removed from the charter. Further discussion was held regarding biometrics, how things change each year and, whether it should remain in the charter

and process document. The UFLSWG will be involved, but WECC staff will handle the questions regarding data. Mr. Bolton will obtain further information regarding this issue from WECC's management.

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

7. Methodology Document

Mr. Bolton led the discussion on the methodology document. During the last UFLSWG meeting, a discussion was held on changing the name from Methodology to Method document. This name is accepted industry wide. Mr. Bolton had a discussion with the technical writer, and it was determined that the UFLSWG should keep this document the same.

The original version of the methodology document is posted on the web page. It needs to be updated. The UFLSWG members should review this document and provide feedback. Please email your comments to Mr. Anderst and Mr. Bolton before the next UFLSWG meeting on January 24, 2023.

8. V/Hz list in Assessment Report

The UFLSWG discussed why the v/Hz cannot be added to the master dynamic model modification. It stated to add the v/Hz cards for monitoring. There is not a significant number of cards added, and the work group may need to ask the System Review Subcommittee (SRS) this question. The UFLSWG discussed whether we were asking them to prepare additional base cases. Mr. Bolton stated we are not doing these base cases.

Mr. Bolton moved to add this to the future discussions.

9. Public Comment

There were no comments.

10. Review New Action Items

There were no new action items to review.

11. Upcoming Meetings

January 24, 2023	Virtual
February 7, 2023	Virtual
February 21, 2023	Virtual



12. Adjourn

Mr. Anderst adjourned the meeting without objection at 2:46 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
Daniel Johnson Jr. Black Hills Corporation
Jay Largo Bonneville Power Administration
Ralph Liu Alberta Electric System Operator
Danny Miranda Arizona Public Service Company
Nima Miri Seattle City Light
Tyler Pearce Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives)
Mark Pigman Tacoma Power
Karen Reedy Public Service Company of New Mexico
Rene Romo de Santos California Independent System Operator
Prabal Singh Sacramento Municipal Utility District
GuiHua Wang 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
Alex Ford NV Energy
Christopher Fuchs California Independent System Operator
Jennifer Galaway Portland General Electric Company
Mensur Haskovic Western Area Power Administration
Richard Hydzik Avista Corporation
Todd Lichtas Tucson Electric Power



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Nik Mikelsons Portland General Electric Company
Patrick Perry Idaho Power Company
David Quashie Public Utility District No. 1 of Snohomish County
Atique Rahman Los Angeles Department of Water and Power
Anthony Rendon Salt River Project
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 Subakti California Independent System Operator
Gary Trent Tucson Electric Power
Nathan Wilson PacifiCorp
Han Yu British Columbia Hydro and Power Authority
Janice Zewe Sacramento Municipal Utility District
Songzhe Zhu GridBright, Inc.

Others in Attendance [Only for technical committees]

Kent Bolton WECC
Jonathan Hayes Southwest Power Pool
Scott Jordan Southwest Power Pool
Anne Kronshage Public Utility District No. 1 of Chelan County
Christopher Lamb Public Utility District No.1 of Chelan County
Kimmy McIntyre Portland General Electric Company
Marie Smith WECC
Jim Smith Bonneville Power Administration

