

1. Welcome, Call to Order

Hari Singh, Underfrequency Load Shedding Work Group (UFLSWG) Chair, called the meeting to order at 11:02 a.m. MT on March 29, 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 Engineer, read aloud the WECC Antitrust Policy statement. The meeting agenda included a link to the posted policy.

3. Approve Agenda

Mr. Singh introduced the proposed meeting agenda.

By consensus, the UFLSWG approved the agenda.

4. Review and Approve Previous Meeting Minutes

Mr. Singh introduced the minutes from the meeting on February 22, 2022. The UFLSWG discussed the necessity to simulate 25% imbalance for demonstrating acceptable WECC Coordinated (UFLS) Plan performance. It was concluded that verifying the UFLS Plan's adequacy for 25% imbalance is required to comply with Requirement D.B.3 in North American Electric Reliability Corporation (NERC) Reliability Standard PRC-006-5.

By consensus, the UFLSWG approved the minutes from February 22, 2022.

5. Review Previous Action Items

The UFLSWG will review the action items during the next meeting.

6. UFLS Assessment Methodology

Mr. Bolton presented on the UFLS Assessment Methodology document development and review/feedback solicitation history, starting from when it was sent out for comments in September 2020. The current redlined version of the document was sent out on March 16, 2022, for a final review prior to seeking its approval at the March 29, 2022, meeting. The UFLSWG discussed the final redlined document and the revisions made to it in response to comments received. The UFLSWG discussed the document, and that the methodology document was

created after the current study cycle has already been done. However, the methodology document still needs to be approved as a guide for future studies. The work group discussed that the comment period for the methodology has passed and that the hope is to approve the document. The work group proposed adding a link to PRC-006 Attachment A in the document – the proposal was accepted, and the document will be accordingly updated in the approved version. The document will get the edits agreed upon during the meeting added into it but otherwise will be approved and used for the current 2020-22 assessment cycle. It was acknowledged that this is a living document and that improvements can be made to the document for the next assessment cycle.

On a motion by Karen Reedy, the UFLSWG approved the UFLS Assessment Methodology

The UFLS Assessment Methodology draft is posted to the [WECC website](#).

The UFLS Assessment Methodology redline is posted to the [WECC website](#).

7. Public Comment

No comments were offered.

8. Review New Action Items

There were no new action items created during this meeting.

9. Upcoming Meetings

TBD.....Virtual

10. Adjourn

Mr. Singh adjourned the meeting without objection at 12:00 p.m.



Exhibit A: Attendance List

Members in Attendance

Scott Beyer Western Power Pool (formerly Northwest Power Pool Corporation)

Fangfang Du PacifiCorp

Alex Ford NV Energy

Mensur Haskovic..... Western Area Power Administration

Jay Largo Bonneville Power Administration

Ralph Liu Alberta Electric System Operator

Nik Mikelsons Portland General Electric Company

Tyler Pearce Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives)

David Quashie Public Utility District No. 1 of Snohomish County

Atique Rahman Los Angeles Department of Water and Power

Karen Reedy Public Service Company of New Mexico

Milton Savier Pacific Gas and Electric Company

Hari Singh..... Public Service Company of Colorado (Xcel Energy)

Prabal Singh..... Sacramento Municipal Utility District

Dwane Small Public Utility District No. 1 of Snohomish County

GuiHua Wang British Columbia Hydro and Power Authority

Members not in Attendance

Robby Anderst Puget Sound Energy, Inc.

Kevin Brooks Southern California Edison Company

Desmond Chan Seattle City Light

Dennis Chesnakov Public Utility District No. 2 of Grant County

Gary Farmer Western Area Power Administration

David Franklin Southern California Edison Company

Christopher Fuchs California Independent System Operator

Jennifer Galaway Portland General Electric Company

Robert Gerdes..... Arizona Public Service Company



Mark Hanson.....Idaho Power Company
Ying He Southern California Edison Company
Eric Hy Los Angeles Department of Water and Power
Richard Hydzik.....Avista Corporation
Todd Lichtas..... Tucson Electric Power
Grace Martinez..... Southern California Edison Company
Daniel McGuire.....Salt River Project
Faranak Sarbaz..... Los Angeles Department of Water and Power
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

James Aultman..... Western Area Power Administration
Kent Bolton.....WECC
Ken Che..... Public Utility District No. 1 of Snohomish County
Anne Harrington Public Utility District No. 1 of Chelan County
May Le.....Public Utility District No. 2 of Grant County
Jeff McDiarmid.....Southwest Power Pool
Marie Morris.....WECC
Tyson Niemann.....WECC
Dwane Small Public Utility District No. 1 of Snohomish County
Matthew TruscottPublic Utility District No. 2 of Grant County
Michael Yao British Columbia Hydro and Power Authority

