

1. Welcome, Call to Order

Robby Anderst, Underfrequency Load Shedding Work Group (UFLSWG) Chair, called the meeting to order at 2:02 p.m. on August 16, 2022, MT. 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 June 8, 2022.

On a motion made by Karen Reedy, the UFLSWG approved the minutes from June 8, 2022.

5. Assessment Simulation Results

Tyson Niemann, System Stability Engineer, presented the assessment simulation update for the Island Cases. Imbalances of 10%, 20% and 25% were presented for the South Island and the North Island light spring (LS) base case and the heavy summer (HS)3 base case. There were issues when running the 25% 2021 HS3 North Island base case. The system aborted after thirty-nine seconds and fell apart after the three second time frame. The spreadsheet showing what is being tripped will be emailed to the UFLSWG. WECC will no longer be running the future assessments, although WECC will continue to run the meetings. The final report will address that more work needs to be done and the Planning Coordinators (PC) will need to start a task force to further research the issues found. The goal is to reach 25% per area. The UFLSWG will need to discuss the assessment process moving forward. The UFLSWG would like to add this as a future agenda item for the PCs to review.

Mr. Bolton gave an update on the UFLSWG meetings. Due to the work being done on the assessment report, the UFLSWG will meet every other week for the next few months. The next meeting will be August 31, 2022, and will recur every other Tuesday.

6. Public Comment

No comments were offered.

7. Review New Action Items

- Email the spreadsheet showing what is being tripped in the assessment simulation to the UFLSWG.
 - Assigned To: Kent Bolton and Tyson Niemann
 - Due Date: August 31, 2022
- Identify which areas are causing the 25% imbalance in North Island.
 - Assigned To: Kent Bolton and Tyson Niemann
 - Due Date: August 31, 2022
- Look into the compliance factor per PC.
 - Assigned To: Kent Bolton and Tyson Niemann
 - Due Date: August 31, 2022
- Add agenda topic on how the UFLSWG will move forward with assessments.
 - Assigned To: Kent Bolton and Tyson Niemann
 - Due Date: August 31, 2022
- Notify the Studies Subcommittee (StS) chair about the UFLS assessment and send the next meeting agenda topics to the StS chair.
 - Assigned To: Kent Bolton
 - Due Date: August 31, 2022

8. Upcoming Meetings

August 31, 2022.....Virtual

9. Adjourn

Mr. Anderst adjourned the meeting without objection at 3:23 p.m.



Exhibit A: Attendance List

Members in Attendance

Robby Anderst Puget Sound Energy, Inc.
 Gary Farmer Western Area Power Administration
 Curt Feinberg Tri-State Generation and Transmission—Reliability
 Alex Ford NV Energy
 Matthew Gomez Southern California Edison Company
 Jay Largo Bonneville Power Administration
 Ralph Liu Alberta Electric System Operator
 Tyler Pearce Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives)
 Patrick Perry Idaho Power Company
 David Quashie Public Utility District No. 1 of Snohomish County
 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
 GuiHua Wang British Columbia Hydro and Power Authority
 Nathan Wilson PacifiCorp
 Han Yu British Columbia Hydro and Power Authority

Members not in Attendance

Scott Beyer Western Power Pool (formerly Northwest Power Pool Corporation)
 Daniel Cervantes Los Angeles Department of Water and Power
 Desmond Chan Seattle City Light
 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
 Mensur Haskovic Western Area Power Administration



Richard Hydzyk.....Avista Corporation
Todd Lichtas..... Tucson Electric Power
Daniel McGuire.....Salt River Project
Nik MikelsonsPortland General Electric Company
Danny Miranda..... Arizona Public Service Company
Bradley Postovoit..... Southern California Edison Company
Atique Rahman Los Angeles Department of Water and Power
Dwane Small Public Utility District No. 1 of Snohomish County
Dede SubaktiCalifornia Independent System Operator
Gary Trent..... Tucson Electric Power
Janice Zewe..... Sacramento Municipal Utility District
Songzhe Zhu..... GridBright, Inc.

Others in Attendance

Page AndrewsWestern Area Power Administration
Nathan BeanSouthwest Power Pool
Daja BellWECC
Kent Bolton.....WECC
Kevin Brooks Southern California Edison Company
Robbie Gerdes Arizona Public Service Company
Jaron HuntNV Energy
Jamie KellerWestern Area Power Administration
Anne Kronshage Public Utility District No. 1 of Chelan County
Nicole LeeWECC
Robin Manuguid..... San Diego Gas and Electric
Kristen McClure..... Western Area Power Administration
Kimmy McIntyrePortland General Electric Company
Christopher Mclean..... California Energy Commission
Ruben Miranda Arizona Public Service Company



Tyson Niemann.....WECC
Benjamin Rodriguez.....El Paso Electric
Karim Shaabafi.....Alberta Electric System Operator
Jim Smith.....Bonneville Power Administration
Muhammad Tayyab.....Western Area Power Administration
Matthew Veghte.....Western Area Power Administration
Ohad WandBritish Columbia Hydro and Power Authority
Milena YordanovaEl Paso Electric

