

1. Welcome, Call to Order

Kent Bolton, Senior System Stability Engineer, called the meeting to order at 9:03 a.m. MT on June 8, 2022. A quorum was not present. A list of attendees is attached as Exhibit A.

2. Review WECC Antitrust Policy

Mr. Bolton read aloud the WECC Antitrust Policy statement. The meeting agenda included a link to the posted policy.

3. Approve Agenda

Mr. Bolton introduced the proposed meeting agenda.

On a motion by Jay Largo, the UFLSWG approved the agenda.

4. Review and Approve Previous Meeting Minutes

Mr. Bolton introduced the minutes from the meeting on March 29, 2022.

On a motion by Jay Largo, the UFLSWG approved the minutes from March 29, 2022.

5. Review Previous Action Items

Mr. Bolton reviewed action items carried over from the UFLSWG meeting on March 29, 2022. Action items that are not closed and will be carried forward can be found [here](#).

6. Assessment Simulation Results

Mr. Bolton presented the results of the underfrequency load-shedding (UFLS) assessment to date. PSLF is erroring out in the HS case during the high imbalance simulations before reaching sixty seconds. Mr. Bolton presented the simulation summary spreadsheet showing load shedding models. The load shedding models need to be reviewed to make sure the information is correct and there is not missing information. The UFLSWG discussed increasing the percentages on existing load shedding models. Mr. Bolton will make these changes to see if it improves the results.

Tyson Niemann, System Stability Engineer, presented the simulation results. The 25% heavy summer (HS) was the focus for the simulation.

7. Update on Future Assessment Approach

Enoch Davies, System Stability Manager gave an update on the approach that will be used for future UFLS assessments. WECC will not be doing future assessments and reports. There was lack of support from planning coordinators (PC)'s. WECC will continue to work on data collection and make the data available. The current assessment will be finished but the results might require continued work after WECC. The UFLSWG discussed having a chair lead the assessment planning coordinator topics. This change will be presented to the Studies Subcommittee (StS), Reliability Assessment Committee (RAC), and the Reliability Risk Committee (RRC).

8. Search for UFLSWG Chair Discussion

Mr. Bolton led the discussion on the need for a new UFLSWG chair. The RAC chair and vice-chair have been reaching out to PC's for volunteers. Mr. Bolton encouraged anyone interested to notify him.

9. Southern Island Load Shedding Assessment (OFSPR Committee)

Alexander Ford, NV Energy, presented the Southern Island Load Shedding Assessment performed by the Off Frequency System & Protection Restoration (OFSPR) Committee. It needs to be determined if there is still a need for the annual South Island (SILTP) reporting process and if it can be improved. The UFLSWG discussed assessments that can be ran and it will be beneficial to the UFLSWG. North Island will be asked to present during the next UFLSWG meeting.

10. Public Comment

No comments were offered.

11. Review New Action Items

There were no new action items created during this meeting.

12. Upcoming Meetings

August 10, 2022.....Virtual

13. Adjourn

Mr. Bolton adjourned the meeting without objection at 11:00 a.m.



Exhibit A: Attendance List

Members in Attendance

Robby Anderst Puget Sound Energy, Inc.
 Daniel Cervantes Los Angeles Department of Water and Power
 Alex Ford NV Energy
 Robert Gerdes Arizona Public Service Company
 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)
 Karen Reedy Public Service Company of New Mexico
 Milton Savier Pacific Gas and Electric Company
 GuiHua Wang British Columbia Hydro and Power Authority

Members Not in Attendance

Scott Beyer Western Power Pool (formerly Northwest Power Pool Corporation)
 Kevin Brooks Southern California Edison Company
 Desmond Chan Seattle City Light
 Dennis Chesnakov Public Utility District No. 2 of Grant County
 Fangfang Du PacifiCorp
 Gary Farmer Western Area Power Administration
 David Franklin Southern California Edison Company
 Christopher Fuchs California Independent System Operator
 Jennifer Galaway Portland General Electric Company
 Mark Hanson Idaho Power Company
 Ying He Southern California Edison Company
 Richard Hydzik Avista Corporation
 Todd Lichtas Tucson Electric Power



Grace Martinez..... Southern California Edison Company
Daniel McGuire.....Salt River Project
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)
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
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

Nagy Abed..... Southern California Edison Company
Nathan Aguilera City of Riverside
James Aultman..... Western Area Power Administration
Nathan BeanSouthwest Power Pool
Kent BoltonWECC
Enoch DaviesWECC
Maddy Eberhard.....WECC
Francisco Fuentes..... City of Riverside
Anne HarringtonChelan PUD
James Jang..... Bonneville Power Administration
Nicole LeeWECC
Ralph LiuAlberta Electric System Operator
Stephen Longmuir.....Idaho Power Company
Saad MalikWECC



Robin Manuguid..... San Diego Gas and Electric
Kimmy McIntyte..... Portland General Electric Company
Ruben Miranda Arizona Public Service Company
Nima Miri Seattle City Light
Tyson Niemann.....WECC
Fausto Rodriguez..... City of Riverside
Jim Smith..... Bonneville Power Administration
Jim Smith..... Bonneville Power Administration
Sharmen Wimalarathna..... City of Riverside

