

Underfrequency Load Shedding Work Group Meeting Minutes

July 11, 2023

Virtual

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 July 11, 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, 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 13, 2023.

By consensus, the UFLSWG approved the meeting minutes from June 13, 2023.

5. Review Previous Action Items

Marie Smith, Administrative Coordinator, reviewed action items carried over from the UFLSWG meeting on June 13, 2023. Action items that are not closed and will be carried forward can be found here.

6. "Generator Tripping" Priority Spreadsheets

Mr. Anderst presented on the generator tripping priority spreadsheets. He reached out to the generator group to get its opinion on the generators for tripping. Mr. Anderst needs the Work Group Simulations by August or September 2023.

7. Public Comment

Jay Largo, Bonneville Power Administration, is working with his Operations Planning Group on frequency stabilization.



Tyler Pearce, Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives), has a southern island load tripping plan. This report is for WECC only.

Mr. Anderst will follow up with CAISO on contracts.

Mensur Hasovic, Western American Power Administration, asked for a timeline on this study. We need to confirm that Power World still wants the study.

Patrick Perry, Idaho Power Company, reached out to Mr. Anderst on the 2012 WECC document for Frequency Load Shedding Plan. Mr. Anderst will have an offline discussion with Mr. Bolton regarding this topic.

Mr. Anderst will email the link for an article on distributive energy resources.

8. Review New Action Items

- Verify participation in the assessments for WECC.
 - o Assigned To: Tyson Niemann
 - o Due Date: August 8, 2023
- Verify that entities have PCs available.
 - o Assigned To: Tyson Niemann/Kent Bolton
 - o Due Date: August 8, 2023

9. Upcoming Meetings

August 8, 2023	Virtual
September 12, 2023	Virtual
October 10, 2023	Virtual

10. 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.
Kent Bolton	WECC
Daniel Cervantes	Los Angeles Department of Water and Power
Curt Feinberg	Tri-State Generation and Transmission—Reliability
Alex Ford	
Mensur Haskovic	
Daniel Johnson Jr.	Black Hills Corporation
Anne Kronshage	Public Utility District No. 1 of Chelan County
Christopher Lamb	Public Utility District No. 1 of Chelan County
Jay Largo	Bonneville Power Administration
Todd Lichtas	Tucson Electric Power
Ralph Liu	
Nima Miri	Seattle City Light
Tyler Pearce	Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives)
Patrick Perry	
Mark Pigman	
Karen Reedy	Public Service Company of New Mexico
Anthony Rendon	Salt River Project
Milton Savier	Pacific Gas and Electric Company
Prabal Singh	Sacramento Municipal Utility District
Rick Torres	
Members not in Attendance	<u>e</u>
Ian Beil	Portland General Electric Company
Zachary Beus	Puget Sound Energy, Inc.
Scott Beyer	
Dennis Chesnakov	Public Utility District No. 2 of Grant County



Fangfang Du	PacifiCorp
Gary Farmer	
Christopher Fuchs	California Independent System Operator
Kevin George	
Richard Hydzik	Avista Corporation
Jesus Martinez	Imperial Irrigation District
Kimberly McIntyre	Portland General Electric Company
Nik Mikelsons	Portland General Electric Company
David Quashie	Public Utility District No. 1 of Snohomish County
Atique Rahman	Los Angeles Department of Water and Power
Bill Robertson	Salt River Project
Rene Romo de Santos	
Hari Singh	Public Service Company of Colorado (Xcel Energy)
Dwane Small	Public Utility District No. 1 of Snohomish County
Dede Subakti	
Gary Trent	
GuiHua Wang	British Columbia Hydro and Power Authority
Nathan Wilson	PacifiCorp
Han Yu	British Columbia Hydro and Power Authority
Janice Zewe	
Songzhe Zhu	
Others in Attendance	
William Dull	
Jonathan Flores	Los Angeles Department of Water and Power
May Le	Public Utility District No. 2 of Grant County
Chief Manuleito	
Tyler Niemann	WECC
Marie Smith	WECC



Jim Smith	Bonneville Power Administration
Trevor Werho	Arizona Public Service Company

