

1. Welcome, Call to Order

Meg Albright, Reliability Risk Committee (RRC) Co-Chair, called the meeting to order at 1:10 p.m. MT on July 9, 2024. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

2. Review WECC Antitrust Policy

Maya Brimhall, Administrative Coordinator, read aloud the WECC Antitrust Policy statement. The meeting agenda included a link to the posted policy.

3. Approve Agenda

M. Albright introduced the proposed meeting agenda.

By consensus, the RRC approved the agenda.

4. Review and Approve Previous Meeting Minutes

M. Albright introduced the minutes from the meeting on February 28-29, 2024.

The February 28-29, 2024, Meeting Minutes amended as follows:

- “Committee Name” in the document header was changed to “Reliability Risk Committee”

By consensus, the RRC approved the minutes from February 28-29, 2024.

5. Review Previous Action Items

Tim Reynolds, Reliability Risk Management Director, reviewed action items carried over from the RRC meeting on February 29, 2024. Action items that are not closed and will be carried forward can be found [here](#).

6. Reliability Risk Strike Team

Steve Ashbaker, Reliability Initiatives Director, presented on the Reliability Risk Strike Team Whitepaper. The action item “ensure the White Paper and disbandment of the RRST is on RRC's agenda” was successfully closed during the RRC meeting.

The presentation can be found on the WECC website.

7. DEEMSF/WON Documentation Update

S. Ashbaker and Robert Melis, California Independent Operating System (CAISO), updated the RRC on the DEEMSF and WON Documentation. They asked the RRC if the DEEMSF should spend any more time updating the WON documents, and once complete, do they go to a stakeholder work group like RC West or stay managed by the DEEMSF?

The RRC supported DEEMSF giving responsibility for WON documentation to CAISO. CAISO agreed to take ownership of the WON documents and to use their Data Exchange Workgroup as a forum for receiving user input on these documents.

The presentation can be found on the WECC website.

8. Ambient Temperature Rating Impacts on RAS Schemes

Gene Henneberg, NV Energy, presented an overview of the ambient temperature rating impacts on RAS schemes. The RRC discussed how FERC Order 881 on Ambient Adjusted Ratings will affect remedial action schemes.

The presentation can be found on the WECC website.

9. Western Interconnection Congestion Management

Alex Watkins, Southwest Power Pool (SPP), and Raja Thappetaobula, CAISO, presented on the future Interconnection-wide congestion management and the ECC Expansion, focusing on Tag Based, Dynamic Constraint List, and Market Flow. Ashley Stringer, SPP, shared the current UFMP process and the addition of a new qualified path. A. Stringer shared that August 1, 2024, is the tentative launch date for the Path 80 update. It was agreed that the RRC will have a standing agenda item on ECC Expansion and UFMP efforts.

The presentation can be found on the WECC website.

10. RC West Update on Frequency Response Tool

R. Thappetaobula presented an update concerning the RC West Frequency Response Tool. Since the Frequency Response Tool process and procedure went live on December 1, 2023, the RC has not taken any action.

The presentation can be found on the WECC website.

11. Risk Process Updates

Scott Brooksby, Senior Cyber Risk Advisor, and Greg Park, Risk Analysis & Data Services Manager, provided updates to the reliability risk process, new risks submitted, and current



work being done. They presented a work timeline to the RRC to ensure committee and subcommittee members stay on track with their respective assignments.

The presentation can be found on the WECC website.

12. Wildfire Data Collection Results

S. Ashbaker shared the results of the WECC wildfire data collection. They decided to distribute the Wildfire Data Collection Survey in line with the calendar year to better evaluate wildfire-related outages.

The presentation can be found on the WECC website.

13. Interconnection Frequency Performance

G. Park updated the RCC on the Interconnection Frequency Performance utilizing different data visualizations.

The presentation can be found on the WECC website.

14. Review Three-Year Work Plan

T. Reynolds reviewed the Three-Year Work Plan with the RRC. The RRC decided to remove the Current Energy Adequacy Assessment Practices from the Three-Year Work Plan due to multiple internal and external groups already working on it.

The Three-Year Work Plan can be found on the WECC RRC site.

15. Public Comment

No comments were made.

16. Review New Action Items

- Form a team of volunteers to update the document and work with the RCs to determine how the RRC can get a copy of the list and to distribute it to the RRC members for review.
 - Assigned To: Tim Reynolds
 - Due Date: October 17, 2024
- Create a standing agenda item for ECC Expansion and UMFP.
 - Assigned To: Tim Reynolds
 - Due Date: October 17, 2024
- Provide an interim or October update on Wildfire Mitigation.
 - Assigned To: Steve Ashbaker
 - Due Date: October 17, 2024

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17. Upcoming Meetings

October 16-17, 2024..... Virtual

18. Adjourn

M. Albright adjourned the meeting without objection at 10:01 a.m.



Exhibit A: Attendance List

Members in Attendance

Margaret Albright.....Bonneville Power Administration—Transmission
Rachel Allen Tacoma Power
Grace Anderson California Energy Commission
Daniel Baker Southwest Power Pool
Tanner Brier..... Bonneville Power Administration
Toxie Burriss..... Modesto Irrigation District
Kevin Conway.....Western Power Pool
Jeff Dagle..... Pacific Northwest National Laboratory
Cory Danson..... Western Area Power Administration
Kathee Downey.....PacifiCorp
Robert Gonzales..... Hetch Hetchy Water and Power
Mark Hackney..... Open Access Technology International
Angela Hall.....Pend Oreille County PUD #1
David Hardy..... Tri-State Generation & Transmission–Power Management Division
Raj Hundal..... Powerex, Inc.
Richard Hydzik.....Avista Corporation
Linda Jacobson-QuinnFarmington Electric Utility System
Michael Jang..... Seattle City Light
Tim Kedis..... Southern California Edison Company
Robert Kerrigan Los Angeles Department of Water and Power
Ansley Kulseng-HansenNorthWestern Energy
Nicole Manalili..... British Columbia Utilities Commission
Vishal Patel Southern California Edison Company
Tim ReynoldsWECC
Sam Rugel Tucson Electric Power
Emily Schneider Valley Electric Association, Inc.



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Trevor SchultzIdaho Power Company
Asher Steed British Columbia Hydro and Power Authority
Chifong Thomas Thomas Grid Advisor
Rob Witham Public Utility District No. 1 of Chelan County
Jessica Zamonis Western Power Pool
Quinten Ziegler Transmission Agency of Northern California

Member Organizations not in Attendance

AES Corporation, Alberta Electric System Operator, AltaLink Management Ltd., Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives), Arizona Power Authority, Arizona Public Service Company, Avantus, Basin Electric Power Cooperative, Black Hills Corporation, British Columbia Ministry of Energy and Mines, California Department of Water Resources, Cambridge Energy Solutions, Cascade Renewable Transmission, LLC, Cat Creek Energy, LLC, City of Burbank, City of Pasadena, City of Redding, City of Riverside, Clearway Energy Operating, LLC (NRG), Colorado Springs Utilities, Copia Power DevCo, LLC, CP Energy Marketing (US) Inc., DataCapable Inc., Delta-Montrose Electric Association, DesertLink, LLC, Direct Energy Business Marketing, LLC, Electric Power Research Institute, Eligius LLC, Eugene Water & Electric Board, Eurowind Energy, First-Light Energy, FortisBC, Inc., Gallatin Power Partners, LLC, Grid Numerics, Grid Subject Matter Experts, Gridforce Energy Management, LLC, Guy Van Uytven, Guzman Power Markets, LLC, I2R Grid Solutions, Inc, Imperial Irrigation District, MATL Canada L.P., MCE, NextEra Energy Resources, LLC, Oregon Public Utility Commission, Pacific Gas and Electric Company, Portland General Electric Company, Power System Consultants, Inc., Public Service Company of Colorado (Xcel Energy), Public Utility District No. 1 of Snohomish County, Public Utility District No. 2 of Grant County, Puget Sound Energy, Inc., Quanta Technology, LLC, Regime LLC, Renewable Northwest, Sacramento Municipal Utility District, San Diego Gas and Electric, TransCanyon LLC, TransCo Energy, LLC, Tri-State Generation and Transmission—Reliability, Turlock Irrigation District, U.S. Army Corps of Engineers, Portland District, Utilicast L.L.C., and Washington Department of Commerce - State Energy Office

Others in Attendance

Chris AlbrechtWECC
Steve AshbakerWECC
Hamid Atighechi Powerex, Inc.
Philip Augustin Salt River Project
Kyle Bensley El Paso Electric Company



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Mitchell BetonieFarmington Electric Utility System
Maya Brimhall.....WECC
Scott Brooksby.....WECC
Darren Buck.....Platte River Power Authority
Thomas Carr.....Western Interstate Energy Board
Lorissa CordozaBonneville Power Administration
Enoch Davies.....WECC
Matt Evans.....WECC
John GraminskiWECC
Dave GroverWECC
James Hanson.....WECC
Gene HennebergNV Energy
Curtis HollandWECC
Vic HowellWECC
Robert Jackson.....Burns & McDonnell (1898 and Co.)
Lesley Kayser-Sprouse.....Hetch Hetchy Water and Power
Daniel Koppes.....PacifiCorp
Sarah LewisWECC
Chelsea LoomisWestern Power Pool
Robert MelisCalifornia Independent System Operator
Greg ParkWECC
Jacob RichardsonWestern Resource Advocates
Katie RogersWECC
Ashley StringerBritish Columbia Hydro and Power Authority
Branden Sudduth.....WECC
RajaShekar Thappetaobula.....California Independent System Operator
Brian TheakerMiddle River Power, LLC
Jerod Vandehey.....Public Utility District No. 1 of Cowlitz County



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Ivan Velasco Riverside Public Utilities
Juan Vicente..... El Paso Electric Company
Alan Wahlstrom..... Southwest Power Pool
Alex Watkins Southwest Power Poll
Byron Williamson..... Tacoma Power

