

Day 1—October 16, 2024
1:00 p.m. to 5:00 p.m. Mountain Time

1. Welcome, Call to Order

Dede Subakti, Reliability Risk Committee (RRC) Chair, called the meeting to order at 1:03 p.m. MT on October 16, 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

D. Subakti introduced the proposed meeting agenda.

By consensus, the RRC approved the agenda.

4. Review and Approve Previous Meeting Minutes

D. Subakti introduced the minutes from the meeting on July 9–10, 2024.

By consensus, the RRC approved the minutes from July 9–10, 2024.

5. Review Previous Action Items

Tim Reynolds, Reliability Risk Management Director, reviewed action items carried over from the RRC meeting on July 9–10, 2024. Action items that are not closed and will be carried forward can be found on the WECC website.

6. Western Interconnection Congestion Management (ECC Expansion and UMFP)

Alex Watkins, Southwest Power Pool, updated the RRC on the ECC Expansion and UMFP Western Interconnection Congestion Management project. If anyone wants to learn more about the ECC Expansion, they can contact Alex Watkins to set up a one-on-one meeting.

7. Extreme Natural Event Mitigation Plan Advisory Group (ENEMPAG)

Scott Brooksby, Senior Cyber Risk Advisor, shared updates on the ENEMPAG's objectives, the current RRC objectives, and various extreme natural events. S. Brooksby answered participants' questions, and the RRC discussed next steps.

The presentation can be found on the WECC website.

8. Update on Wildfire

Steve Ashbaker, Reliability Initiatives Director, shared the total reported incidents and fire statistics from 2017 to 2023, interactive wildfire maps from 2021 to 2024, the 2024 Wildfire Data Request survey fields, and the 2025 Wildfire Data Request timeline. Please contact S. Ashbaker if you have any questions or feedback on the Wildfire Data Request timeline or survey fields.

The presentation can be found on the WECC website.

9. 15 New Registered Risks Review

S. Brooksby and Greg Park, Risk Analysis & Data Services Manager, finished the 15 new registered risks review with the RRC. They let the RRC know that there are five additional new risks still under review or combined with existing risks that the RRC will review at a future date. They reviewed the Risk Evaluation written process, shared the eight new extreme natural events and seven new miscellaneous items added to the risk evaluation, and ran through the components of risk analysis and evaluation so the RRC could participate in the Slido polling to the best of their abilities. They will bring the 15 new registered risks to the February/March RRC meeting to determine risk mitigation decision-making.

The presentation can be found on the WECC website.

10. Three-Year Work Plan Review

Both WECC employees and RRC members discussed the Three-year Work Plan. John Graminski, Senior Cyber Security Specialist, explained the Physical Security Forum (PSF) Best Practices and encouraged those interested to join the PSF. G. Park also encouraged entities to recruit relevant employees to join the Performance Subcommittee (PS) because the workload is increasing in the PS.

The Three-year Work Plan can be found on the WECC website.

11. Public Comment

No comments were made.



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12. Review New Action Items

- Schedule ENE workshops for 2025.
 - Assigned To: RRCSC
 - Due Date: February 3, 2025

13. Upcoming Meetings

February/March 2025 Virtual

July 2025 Salt Lake City, Utah

October 2025 Virtual

14. Adjourn

D. Subakti adjourned the meeting without objection at 11:56 a.m. MT on October 17, 2024.



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Exhibit A: Attendance List

Members in Attendance

Margaret Albright.....Bonneville Power Administration—Transmission
Grace Anderson California Energy Commission
Eric Baran..... Western Interstate Energy Board
Tanner Brier..... Bonneville Power Administration
Toxie Burriss..... Modesto Irrigation District
James Carkulis Cat Creek Energy, LLC
Kevin Conway.....Western Power Pool
Matt GarciaImperial Irrigation District
Robert Gonzales..... Hetch Hetchy Water and Power
Angela Hall.....Pend Oreille County PUD #1
David Hardy..... Tri-State Generation & Transmission–Power Management Division
Raj Hundal.....Powerex, Inc.
Richard Hydzyk.....Avista Corporation
Daniel Koppes.....PacifiCorp
Ansley Kulseng-Hansen.....NorthWestern Energy
Nicole Manalili..... British Columbia Utilities Commission
Jesus Martinez..... City of Riverside
Vishal Patel..... Southern California Edison Company
Tim ReynoldsWECC
Sam Rugel..... Tucson Electric Power
Dede SubaktiCalifornia Independent System Operator
Rob Witham..... Public Utility District No. 1 of Chelan County

Members not in Attendance

Rachel Allen Tacoma Power
Nathan AndersonPublic Utility District No. 2 of Grant County
Sharmen Andrew.....MATL Canada L.P.



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Rahul Anilkumar Quanta Technology, LLC
Ruben Arredondo Regime LLC
Jonathan Aust Western Area Power Administration
Sina Bagsorkhi Grid Numerics
Daniel Baker Southwest Power Pool
Carol Ballantine Platte River Power Authority
Lane Belsher Alberta Electric System Operator
Alex Berres Utilicast L.L.C.
Vanith Biddappa Pacific Gas and Electric Company
Savina Blackman Clearway Energy Operating, LLC (NRG)
Tim Bodell FortisBC, Inc.
Marian Bonar Gallatin Power Partners, LLC
Brad Bouillon California Independent System Operator
Adam Bow Arizona Public Service Company
Benjamin Brandt Idaho Power Company
Diane Brandt Renewable Northwest
Jennifer Bray Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives)
Robert Bray Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives)
Erik Brookhouse PacifiCorp
Darren Buck Platte River Power Authority
Thomas Burns PacifiCorp Merchant Function
Abel Bustillos El Paso Electric Company
Zac Canders DataCapable Inc.
Deanna Carlson Public Utility District No. 1 of Cowlitz County
Kris Carper Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives)
Holly Chaney Public Utility District No. 1 of Snohomish County
Andrew Chanko Guzman Power Markets, LLC
Ani Chopra MATL Canada L.P.



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Brenda Compton.....NV Energy

Jeff Dagle..... Pacific Northwest National Laboratory

Alireza Daneshpooy..... Quanta Technology, LLC

Cory Danson.....Western Area Power Administration

Lisa DeCarlo..... California Energy Commission

Dennis Desmarais..... Copia Power DevCo, LLC

Kathee Downey.....PacifiCorp

Robert Edwards Hetch Hetchy Water and Power

Kirsten Eliassen.....Gallatin Power Partners, LLC

Sandra Ellis Pacific Gas and Electric Company

Benjamin Engelby Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives)

John Flaherty Eligius LLC

Antonio Franco Gridforce Energy Management, LLC

Jordy Fuentes Arizona Power Authority

Jason Fuller Pacific Northwest National Laboratory

Anish Gaikwad Electric Power Research Institute

Ken Gelsinger.....FortisBC, Inc.

Daniel Graham.....Basin Electric Power Cooperative

Michael Granath Bonneville Power Administration

Allen Green..... U.S. Army Corps of Engineers, Portland District

Ernie Griggs..... Cascade Renewable Transmission, LLC

Mark Hackney..... Open Access Technology International

Christina Hajny U.S. Army Corps of Engineers, Portland District

Ryan HancockGrid Subject Matter Experts

Nadine Hanhan.....Oregon Public Utility Commission

Margaret Hannaford Hetch Hetchy Water and Power

Johanna Hanson..... Washington Department of Commerce - State Energy Office

Eric HartruftIdaho Power Company



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Jennine Hinkle..... City of Riverside
Chris Hofmann Sacramento Municipal Utility District
Ross Hohlt DesertLink, LLC
Brian Holmes..... Utilicast L.L.C.
Ian Homer British Columbia Utilities Commission
Michael Houglum..... Tri-State Generation and Transmission—Reliability
Nicole Hughes..... Renewable Northwest
Beson Hwang City of Pasadena
CJ Ingersoll Gridforce Energy Management, LLC
Linda Jacobson-Quinn Farmington Electric Utility System
Michael Jang Seattle City Light
Harley Johnson Tacoma Power
Mike Johnson..... Pacific Gas and Electric Company
Justin Joiner TransCanyon LLC
Anish Joshi..... Transmission Agency of Northern California
Vicken Kasarjian MCE
Scott Kaufmann..... NV Energy
Tim Kedis..... Southern California Edison Company
Robert Kerrigan Los Angeles Department of Water and Power
Cathy Kim..... Copia Power DevCo, LLC
Eli King..... Washington Department of Commerce - State Energy Office
Pranav Kishore..... Burns & McDonnell (1898 and Co.)
Luca Kovacic Direct Energy Business Marketing, LLC
Matthew Kura Arizona Public Service Company
Adam Labuga..... Turlock Irrigation District
Josh Langer I2R Grid Solutions, Inc
Jarret Leason..... FortisBC, Inc.
Larry Leib Cat Creek Energy, LLC



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Daniel Leon Power System Consultants, Inc.

John Liang..... Public Utility District No. 1 of Snohomish County

Ashley Llacuna San Diego Gas and Electric

Jessica Lopez..... Arizona Public Service Company

Les MacLaren British Columbia Ministry of Energy and Mines

Mike Magruder Avista Corporation

Lenin Maran Sacramento Municipal Utility District

Jessica Markovich Eugene Water & Electric Board

Jose Martinez..... Salt River Project

John D. Martinsen..... Public Utility District No. 1 of Snohomish County

Alan Masters Public Service Company of Colorado (Xcel Energy)

Denton McGregor Black Hills Corporation

Denton McGregor Black Hills Corporation

Brian Mcguirk Portland General Electric Company

Jeremiah McKnelly City of Redding

Megan Melham CP Energy Marketing (US) Inc.

Andrew Meyers Bonneville Power Administration—Transmission

Parag Mitra Electric Power Research Institute

Wesley Muir PacifiCorp

Jens Nedrud..... Puget Sound Energy, Inc.

Josh Netherton City of Redding

John Nierenberg..... Tacoma Power

Mike Nitido Tucson Electric Power

Silvia Parada-Mitchell..... NextEra Energy Resources, LLC

Mateusz Pena Delta-Montrose Electric Association

Scott Perhus Black Hills Corporation

Mike Pfeister..... Salt River Project

Cuong Phan..... Eurowind Energy



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James Ramos Turlock Irrigation District
Luz Ramos El Paso Electric Company
Mike Ramsey California Department of Water Resources
Scott Ranzal Pacific Gas and Electric Company
Ata Rehman Alberta Electric System Operator
Michael Rein Public Service Company of Colorado (Xcel Energy)
Jay Robertson Direct Energy Business Marketing, LLC
Paul Rodriguez Imperial Irrigation District
Robert Romero Tri-State Generation and Transmission—Reliability
John Roukema Transmission Agency of Northern California
Warren Rust Colorado Springs Utilities
Nader Samaan Pacific Northwest National Laboratory
Mandip Samra City of Burbank
Andrew Scates San Diego Gas and Electric
Emily Schneider Valley Electric Association, Inc.
Gretchen Schott Clearway Energy Operating, LLC (NRG)
Allen Schriver NextEra Energy Resources, LLC
Nick Schwarzbach DesertLink, LLC
Jeremy Severson Basin Electric Power Cooperative
Masoud Shafa California Department of Water Resources
Ruchi Shah AES Corporation
Wei Shao Sacramento Municipal Utility District
Jiya Shoaib British Columbia Ministry of Energy and Mines
Kenneth Silver Avantis
Tony Skourtas Los Angeles Department of Water and Power
Joe Skubisz Eligius LLC
Matt Smelser Imperial Irrigation District
Cory Smith Quanta Technology, LLC



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Robert Smith..... TransCanyon LLC

Sachin Soni..... I2R Grid Solutions, Inc

Evan Sorrell Puget Sound Energy, Inc.

Rick Spyker..... AltaLink Management Ltd.

Jonathan Stahlhut TransCo Energy, LLC

Asher Steed..... British Columbia Hydro and Power Authority

Sonseeahray Thayer Arizona Power Authority

Chifong Thomas Thomas Grid Advisor

James Thompson First-Light Energy

Aidan Touhy Electric Power Research Institute

Shauna Tran..... Puget Sound Energy, Inc.

Stina Trast Eurowind Energy

Matthew Truscott Public Utility District No. 2 of Grant County

Rick Vail..... PacifiCorp

Guy Van Uytven..... Guy Van Uytven

Luis Vicente El Paso Electric Company

John Walker Portland General Electric Company

Dan Walter..... Tri-State Generation & Transmission–Power Management Division

Lowell Watros Grid Subject Matter Experts

Steve Wickel Public Utility District No. 1 of Chelan County

Scott Winner Bonneville Power Administration—Transmission

Ali Yari San Diego Gas and Electric

Jessica Zamonis..... Western Power Pool

Theodore Zeiss..... Los Angeles Department of Water and Power

Quinten Ziegler..... Transmission Agency of Northern California

Karl Zimmerman First-Light Energy

Assef Zobian..... Cambridge Energy Solutions



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Others in Attendance

Brittany AndrusWECC

Steve AshbakerWECC

Tim BeachCalifornia Independent System Operator

Kyle Bensley El Paso Electric Company

Kent BoltonWECC

Chad Brightwell.....City of Burbank

Maya Brimhall.....WECC

Scott BrooksbyWECC

Enoch DaviesWECC

Fangfang DuPacifiCorp

Gene DuranPublic Service Company of Colorado (Xcel Energy)

Xiaoyuan Fan..... Pacific Northwest National Laboratory

Alan Gao Quanta Technology, LLC

John GraminskiWECC

Dave GroverWECC

Curtis HollandWECC

Vic HowellWECC

Colby Johnson Energy Strategies

Sarah LewisWECC

Jake Maxfield..... PacifiCorp

Ram Nath..... Siemens Energy, Inc.

Greg ParkWECC

Bert PetersWECC

Johanne Poirier Mouallem..... ATCO Electric Ltd.

Katie RogersWECC

David Tovar..... El Paso Electric Company

Jerod Vandehey..... Public Utility District No. 1 of Cowlitz County



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Alex WatkinsSouthwest Power Pool
Matt ZapotockyWECC

