

1. Welcome, Call to Order

Dede Subakti, Reliability Risk Committee (RRC) Co-Chair, called the meeting to order at 1:00 p.m. MT on February 18, 2025. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

2. Review WECC Antitrust Policy

Tim Reynolds, Reliability Risk Management Director, read aloud the WECC Antitrust Policy statement. The policy can be found on wecc.org.

3. Approve Agenda

D. Subakti introduced the proposed meeting agenda.

The 2025-02-18 RRC Agenda was amended as follows:

- “Break” after Item 3 was removed;
- The presenter for Item 7 was changed from Donovan Crane to Steve Rueckert;
- Day 2 was removed;
- Item 9, “Risk Mitigation Decision Part 1”, and Item 10, “Risk Mitigation Decision Part 2”, were combined into one topic, “Risk Mitigation Decision”;
- Item 11, “Extreme Weather Workshop”, was removed.

By consensus, the RRC approved the agenda.

4. Review and Approve Previous Meeting Minutes

D. Subakti introduced the minutes from the meeting on October 16-17, 2025.

By consensus, the RRC approved the minutes from October 16-17, 2025.

5. Review Previous Action Items

Maya Brimhall, Administrative Coordinator, reviewed action items carried over from the RRC meeting on October 17, 2025. Action items that are not closed and will be carried forward can be found in the Quick Links section of the RRC page on the WECC website.

6. Western Interconnection Congestion Management (ECC Expansion)

Alex Watkins, Southwest Power Pool, updated the RRC on the Western Interconnection Congestion Management and the ECC Expansion. A. Watkins shared the NAESB meetings schedule and encouraged anyone interested in joining the meetings to contact him.

7. Reliability Standards Update and Impacts

Steve Rueckert, Standards Director, presented on reliability standards updates and impacts. He discussed current WECC activities, current NERC activities, and the Standards Committee's involvement in the Standards Development Process.

The presentation can be found on the WECC website.

8. Telecommunications Vulnerability Discussion

Daniel Koppes, PacifiCorp, led a discussion concerning U.S. telecommunications system vulnerability. He shared the risks facing U.S. telecommunications infrastructure, the cyber-attack PacifiCorp response currently in place, and PacifiCorp's plan to maintain communications in a situation where total loss of telecommunications fail. The RRC requested that this topic be taken to the WECC's TCOMS and Cyber Security Forum for discussion.

The presentation can be found on the WECC website.

9. Risk Mitigation Decision

Scott Brooksby, Senior Cyber Risk Advisor, and Mark Willis, Principal Risk Specialist, presented on the risk mitigation decision process. S. Brooksby introduced eight extreme natural events and seven miscellaneous risks. The RRC participated in Slido polling for each risk treatment option.

The presentation and risk register can be found on the WECC website.

10. Three-Year Work Plan Review

The Three-Year Work Plan item owners were not in attendance, so T. Reynolds took an action item to obtain written updates by the end of March 2025.

The Three-Year Work Plan can be found in the Quick Links section of the RRC page on the WECC website.

11. Public Comment

No comments were made.



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12. Review New Action Items

- Obtain Three-Year Work Plan written updates
 - Assigned To: Tim Reynolds
 - Due Date: March 31, 2025

13. Upcoming Meetings

July 9–10, 2025 Virtual

October 21–22, 2025 Salt Lake City, Utah

14. Adjourn

D. Subakti adjourned the meeting without objection at 4:27 p.m.



Exhibit A: Attendance List

Members in Attendance

Margaret Albright.....Bonneville Power Administration—Transmission
Grace Anderson California Energy Commission
Eric Baran..... Western Interstate Energy Board
Alex Berres..... Utilicast L.L.C.
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
Mark Hackney..... Open Access Technology International
Angela Hall..... Pend Oreille County PUD #1
Tim Kedis..... Southern California Edison Company
Robert Kerrigan Los Angeles Department of Water and Power
Mario Kiresich..... Southern California Edison Company
Daniel Koppes..... PacifiCorp
Ansley Kulseng-Hansen NorthWestern Energy
Nicole Manalili..... British Columbia Utilities Commission
John D. Martinsen..... Public Utility District No. 1 of Snohomish County
Tim Reynolds WECC
Sam Rugel..... Tucson Electric Power
Emily Schneider Valley Electric Association, Inc.
Asher Steed..... British Columbia Hydro and Power Authority
Dede Subakti California Independent System Operator
Chifong Thomas Thomas Grid Advisor
Luis Vicente El Paso Electric Company
Rob Witham..... Public Utility District No. 1 of Chelan County



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Quinten Ziegler Transmission Agency of Northern California

Members not in Attendance

Rachel Allen Tacoma Power

Nathan Anderson Public Utility District No. 2 of Grant County

Sharmen Andrew MATL Canada L.P.

Rahul Anilkumar Quanta Technology, LLC

Ruben Arredondo Regime LLC

Jonathan Aust Western Area Power Administration

Sina Baghsorkhi Grid Numerics

Daniel Baker Southwest Power Pool

Carol Ballantine Platte River Power Authority

Lane Belsher Alberta Electric System Operator

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.

James Carkulis Cat Creek Energy, LLC



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Kris Carper Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives)
Holly Chaney Public Utility District No. 1 of Snohomish County
Brenda Compton..... NV Energy
Alireza Daneshpooy..... Quanta Technology, LLC
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
Matt Garcia Imperial Irrigation District
Ken Gelsinger..... FortisBC, Inc.
Robert Gonzales..... Hetch Hetchy Water and Power
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
Christina Hajny U.S. Army Corps of Engineers, Portland District
Ryan Hancock Grid 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



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David Hardy Tri-State Generation & Transmission–Power Management Division
Eric Hartruft Idaho Power Company
Jennine Hinkle..... City of Riverside
Chris HofmannSacramento 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
Raj Hundal..... Powerex, Inc.
Beson Hwang City of Pasadena
Richard Hydzyk.....Avista Corporation
CJ Ingersoll Gridforce Energy Management, LLC
Linda Jacobson-QuinnFarmington 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 KasarjianMCE
Scott Kaufmann..... NV Energy
Cathy Kim..... Copia Power DevCo, LLC
Eli King..... Washington Department of Commerce - State Energy Office
Pranav Kishore..... Burns & McDonnell (1898 and Co.)
Luca KovacicDirect Energy Business Marketing, LLC
Matthew Kura Arizona Public Service Company
Adam Labuga..... Turlock Irrigation District
Josh LangerI2R Grid Solutions, Inc



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Jarret Leason..... FortisBC, Inc.

Larry Leib Cat Creek Energy, LLC

Daniel Leon Power Systems 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

Jesus Martinez City of Riverside

Jose Martinez Salt River Project

Alan Masters Public Service Company of Colorado (Xcel Energy)

Jakob Mawdsley..... MATL Canada L.P.

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



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Scott Perhus Black Hills Corporation

Mike Pfeister.....Salt River Project

Cuong Phan..... Eurowind Energy

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

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 ShaoSacramento Municipal Utility District

Jiya ShoaibBritish Columbia Ministry of Energy and Mines

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
Sonseeahray Thayer Arizona Power Authority
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
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
Karl Zimmerman First-Light Energy
Assef Zobian..... Cambridge Energy Solutions

Others in Attendance

Steve Ashbaker WECC
Kyle Bensley El Paso Electric Company
Aseem Bhatia..... California Department of Water Resources
Maya Brimhall..... WECC



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Scott Brooksby.....WECC
Garrett Colkitt.....Public Utility District No. 1 of Cowlitz County
Donovan Crane.....WECC
Enoch Davies.....WECC
Mario Delgado.....El Paso Electric Company
Val Estrada.....El Paso Electric Company
Toni Hoang.....Sacramento Municipal Utility District
Vic Howell.....WECC
Tim Kendziorski.....NV Energy
Sarah Lewis.....WECC
Monika Montez.....California Independent System Operator
Katie Rogers.....WECC
Steve Rueckert.....WECC
Shane Sanders.....Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives)
Brian Theaker.....Middle River Power, LLC
Jerod Vandehey.....Public Utility District No. 1 of Cowlitz County
Juan Vicente.....El Paso Electric Company
Alex Watkins.....Southwest Power Pool
Byron Williamson.....Tacoma Power
Mark Willis.....WECC
Rebecca Zahler.....Public Utility District No. 1 of Chelan County

