

**1. Welcome, Call to Order**

Jon Aust, Reliability Risk Committee (RRC) Chair, called the meeting to order at 2:01 p.m. MT on February 15, 2022. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

**2. Review WECC Antitrust Policy**

Vic Howell, Director of Reliability Risk Management, read aloud the WECC Antitrust Policy statement. The meeting agenda included a link to the posted policy.

**3. Approve Agenda**

Mr. Aust introduced the proposed meeting agenda.

**On a motion by Greg Park, the RRC approved the agenda.**

**4. Introductions**

Mr. Aust led introductions of those in attendance. Attendees were asked to share the WECC committees on which they have participated and what they hope to gain from RRC participation.

**5. Consent Agenda: Approve RWG Documents**

Mr. Aust introduced the concept of a consent agenda. These items were posted for review before the meeting since they were completed by the Relay Work Group (RWG) under the Operating Committee.

**On a motion by Cory Danson, the RRC approved: Communications Systems Performance Guide for Electric Protection Systems; System Operation Investigation Analysis Flo 4; Knowledge Transfer Principles Draft as modified; Transformer Protection for Sudden Pressure; and RAS Design Guide.**

The following organizations abstained: California Energy Commission; Powerex; CP Energy Marketing; British Columbia Utilities Commission; Public Utility District No. 1 of Snohomish County; Pacific Northwest National Laboratory; Arizona Public Service Company; Southern California Edison Company; Colorado Springs Utilities; Alberta Electric System Operator;

British Columbia Ministry of Energy and Mines; NextEra Energy Resources; and Bonneville Power Administration.

The documents are posted to the [WECC calendar](#).

## 6. RRC Purpose from RRC Charter

Dede Subakti, RRC Co-chair, reviewed the purpose listed in the RRC Charter. The charter language is simplified to ensure the RRC has flexibility on how it addresses risks. The RRC has also been directed to coordinate efforts with the Reliability Assessment Committee (RAC).

The charter is posted to the [WECC website](#).

## 7. RRC Expectations and Responsibilities from RRC Charter

Mr. Aust reviewed the governance elements listed in the RRC Charter. The charter identifies a broad membership to ensure the needed expertise is available to address risks.

The charter is posted to the [WECC website](#).

## 8. RRC Committee Discussion Topics

Mr. Aust led a discussion about what distinguishes stakeholder engagement. Committee representatives should act as a bridge between WECC and their organization to provide input in the meetings. Engagement also includes sharing items for the meeting agendas and sharing thoughts in the meeting. Engagement is easiest when the work is relevant and meaningful to the stakeholders.

The RRC also discussed what participants expect from the committee. The work done at the RRC should be beneficial to individual organizations. The committee should focus on achieving goals and creating deliverables that can be widely disseminated. Meetings should have a casual, collaborative environment and should include meaningful discussions, rather than just updates from other groups.

Mr. Aust also led a discussion on how RRC can be responsible for completing work and for thoughtful discussion about what work is done and how. Work in the RRC should be led by the actions listed in the purpose in the charter. Engagement during meetings will help bring different perspectives from the group to make good decisions. The RRC has several tools available for completing the work.



## 9. Slido Questions Day 1 Topics

Mr. Subakti led the RRC through a Slido poll to ask: the areas of expertise represented; the ideal mission of the RRC; things the RRC should avoid; the most important element from the discussions from day 1; and the primary benefit received from participating in the RRC.

The poll results are posted to the [WECC Website](#).

## 10. Webpage Tour

Shelli Nyland, Project Coordinator, provided a tour of the RRC committee page and the WECC calendar.

WECC meetings can be viewed on [wecc.org](#), under the main image. The meetings for the week are available there, and all meetings can be viewed by clicking “View more meetings in Calendar.”

To navigate to the RRC committee page, select Committees at the top of the page, then the dropdown on the top right of the committees’ panel. Select “RRC” in the dropdown list. The RRC page has the committee description, leadership, upcoming meetings, and accordions for: member organizations; governance documents; action items; approval items; approved documents; three-year work plan; and summary pages for former committees.

Alerts can be set up by anyone logged into a [wecc.org](#) account, by clicking “Set an alert” under any accordion. An option page opens where selections can be made for how alerts are sent and how frequently.

The RRC page can be found on the [WECC website](#).

## 11. Risk Priorities Workshop Review

Mr. Aust and Victoria Ravenscroft, Senior Policy and External Affairs Manager, gave an update on the Risk Priorities Workshop and development process. The workshop initiates the biennial strategic planning process. The top twenty risks from the workshop will be narrowed down to about 12. Those 12 will be posted for review and comment through March 2022. The comments will help narrow the list of risks to about six. Those risks will be discussed by the WECC Board on April 26, 2022. The final list of risks will be considered for approval in June 2022.

Mr. Aust presented the twenty preliminary risks. The RRC discussed the risks and evaluating the impact the RRC can have on the risks.

The presentation is posted to the [WECC website](#).



## 12. Risk Intake and Prioritization Discussion

Mr. Subakti led a discussion about risk intake and prioritization. The RRC charter states the purpose of the RRC as identifying and addressing known and emerging risks to the reliability and security of the Western Interconnection. Example of sources of risks will include inputs from NERC's Reliability Issues Steering Committee (RISC), WECC Reliability Risk Priorities, WECC subcommittees, and work groups. An evaluation process will help establish the RRC three-year work plan. The RRC discussed ensuring work is not being duplicated.

The presentation is posted to the [WECC website](#).

## 13. Subcommittee Report-out Discussion

Mr. Subakti led a discussion on the RRC subgroup report outs. RRC needs to ensure the work is relevant, if work overlaps, and decide the next steps. Mr. Subakti reviewed the subcommittees under the RRC. When the subgroup chairs provide updates to the RRC, they should use WECC's report-out template. The chairs will have the flexibility to add additional content as necessary.

Meg Albright, Bonneville Power Administration, discussed FERC order 881. The RRC discussed what steps the RRC can take to help with this process and what impact RRC can have. The RRC decided to hold a follow-up meeting to discuss FERC Order 881 within the next month or two.

## 14. JGC Committee Restructure Overview

Mr. Aust presented the Joint Guidance Committee (JGC) process for reviewing the committee structure. Groups will be categorized as permanent or temporary groups. The benefit from each group will be reviewed, and gaps will be identified. Mr. Aust presented the flowchart that will be used to give a clear direction on determining the group structure. There will be a Town Hall meeting March 1, 2022. JGC will consider the proposal for approval on March 18, 2022.

The presentation is posted to the [WECC website](#).

## 15. Goal Setting

Mr. Aust announced that the RRC will have a steering committee. It will include chairs from subgroups plus 1-3 "at-large" members from the RRC.

Ms. Ravenscroft discussed the development process for the RRCs three-year work. It will need to be developed between June and August. After the RRC develops a work plan the Board will review it in September 2022. The JGC will then review it to make sure the objectives and reliability needs are being addressed. The final work plans will be shared with the Board in December 2022. Feedback from the RRC meetings will be important with the development of the RRC's three-year work plan.



Mr. Aust said the first steps will be to review the OC and MIC work plans, follow the Board's list of priorities and obtain feedback from the RRC.

Mr. Howell spoke about expanding the RRC to involve cybersecurity. He said the RRC might have a role in the committee restructure. It is important to develop and update the process for identifying risk and priorities, along with developing and documenting goals. The committee discussed involving cybersecurity and that adding the expertise would be beneficial to the RRC.

## 16. Public Comment

Grace Anderson, California Energy Commission (CEC), requested to have links to upcoming WECC townhall, workshop, and Board meetings.

The WECC calendar can be found on the [WECC Website](#).

## 17. Review New Action Items

- Put instructions in the minutes on how to access the RRC on the WECC website.
  - Assigned To: Shelli Nyland and Nicole Lee
  - Due Date: June 28, 2022
- Put together a draft process for risk intake.
  - Assigned To: RRC Leadership
  - Due Date: June 28, 2022
- Host a separate meeting to discuss FERC Order 881 for those interested.
  - Assigned To: Dede Subakti, Jon Aust, and Vic Howell
  - Due Date: June 28, 2022
- Develop the three-year work plan starting with the OC and MIC work plans.
  - Assigned To: RRC leadership
  - Due Date: June 28, 2022
- Develop the goal list and send it to the RRC to review.
  - Assigned To: RRC Leadership
  - Due Date: June 28, 2022

## 18. Upcoming Meetings

June 28-30, 2022.....Salt Lake City, UT Hybrid\*

October 18-20, 2022.....Salt Lake City, UT Hybrid\*

*\*Meeting may be virtual due to the COVID-19 pandemic.*

## 19. Adjourn

Mr. Aust adjourned the meeting without objection at 12:05 p.m.



## Exhibit A: Attendance List

### Members in Attendance

Margaret Albright.....Bonneville Power Administration—Transmission  
 Rachel Allen ..... Tacoma Power  
 Grace Anderson ..... California Energy Commission  
 Robin Arnold..... Renewable Northwest  
 Ruben Arredondo.....Regime LLC  
 Bob Atkins .....Colorado Springs Utilities  
 Jonathan Aust.....Western Area Power Administration  
 Jamie Austin .....PacifiCorp  
 Sina Bagsorkhi ..... Grid Numerics  
 Eric Baran..... Western Interconnection Regional Advisory Body  
 Kyle Bensley ..... El Paso Electric Company  
 Brad Bouillon.....California Independent System Operator  
 Brett Brookings ..... DataCapable Inc.  
 Deane Burk .....California Department of Water Resources  
 Zac Canders..... DataCapable Inc.  
 Keith Carman ..... Tri-State Generation and Transmission—Reliability  
 Holly Chaney ..... Public Utility District No. 1 of Snohomish County  
 Kevin Conway.....Pend Oreille County PUD #1  
 Alexis Cortez .....Transmission Agency of Northern California  
 Amy Cuellar .....Transmission Agency of Northern California  
 Jeff Dagle..... Pacific Northwest National Laboratory  
 Cory Danson.....Western Area Power Administration  
 Lisa DeCarlo ..... California Energy Commission  
 Karen Demos .....NextEra Energy Resources, LLC  
 ChaRee DiFabio .....Western Power Pool  
 Kathee Downey.....PacifiCorp



Sean Erickson ..... Western Area Power Administration

Bryce Freeman.....Wyoming Office of Consumer Advocate

Allison Grant..... DataCapable Inc.

Mark Hackney..... Open Access Technology International

Angela Hall.....Pend Oreille County PUD #1

Brett Hallborg..... British Columbia Hydro and Power Authority

Laurie Hammack ..... Seattle City Light

Nadine Hanhan.....Oregon Public Utility Commission

Tammie Henderson.....NV Energy

Gene Henneberg .....NV Energy

Jennine Hinkle..... City of Riverside

Ross Hohlt ..... DesertLink, LLC

Raj Hundal.....Powerex, Inc.

Harley Johnson ..... Tacoma Power

Lesley Kayser-Sprouse..... Hetch Hetchy Water and Power

Tim Kedis..... Southern California Edison Company

Matthew Kura ..... Arizona Public Service Company

Luis Leon ..... Arizona Public Service Company

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

Nicole Manalili..... British Columbia Utilities Commission

Robin Manuguid..... San Diego Gas and Electric

Christopher McLean..... California Energy Commission

Andrew Meyers ..... Bonneville Power Administration

Leigh Mulholland ..... CP Energy Marketing (US) Inc.

Greg Park .....Western Power Pool

Vishal Patel..... Southern California Edison Company

LeRoy Patterson.....Public Utility District No. 2 of Grant County

Luz Ramos ..... El Paso Electric Company



Mike Ramsey .....California Department of Water Resources  
 Warren Rust.....Colorado Springs Utilities  
 Allen Schriver.....NextEra Energy Resources, LLC  
 Trevor Schultz .....Idaho Power Company  
 Jiya Shoaib .....British Columbia Ministry of Energy and Mines  
 Kenneth Silver ..... 8minute Solar Energy  
 Hari Singh.....Public Service Company of Colorado (Xcel Energy)  
 Arun Siva ..... British Columbia Utilities Commission  
 Amy Sopinka.....British Columbia Ministry of Energy and Mines  
 Dwanique Spiller .....NV Energy  
 Mike Stussy.....Public Utility District No. 2 of Grant County  
 Dede Subakti .....California Independent System Operator  
 Chifong Thomas ..... Thomas Grid Advisor  
 Guy Van Uytven.....Guy Van Uytven  
 Byron Williamson..... Tacoma Power  
 Diana Wilson.....Alberta Electric System Operator  
 Jessica Zamonis .....Western Power Pool (formerly Northwest Power Pool Corporation)  
 Yi Zhang.....California Independent System Operator

### Member Organizations not in Attendance

AltaLink Management Ltd., Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives),  
 Avista Corporation, Cambridge Energy Solutions, Cat Creek Energy, LLC, City of Burbank, City of  
 Pasadena, Delta-Montrose Electric Association, Electric Power Research Institute, FortisBC, Inc.,  
 Imperial Irrigation District, Los Angeles Department of Water and Power, MATL Canada L.P., MCE,  
 Pacific Gas and Electric Company, PacifiCorp Merchant Function, Portland General Electric Company,  
 Puget Sound Energy, Inc., Quanta Technology, LLC, Salt River Project, Seattle City Light, TransCo  
 Energy, LLC, Utah Division of Public Utilities, Utility Services, Inc.,

### Others In Attendance

Steve Ashbaker .....WECC  
 Layne Brown .....WECC  
 Toxie Burriss..... Modesto Irrigation District



Travis English.....	WECC
James Hanson.....	WECC
Vic Howell .....	WECC
Rick Jackson.....	US Bureau of Reclamation
Kerry LaCoste .....	US Bureau of Reclamation
Nicole Lee .....	WECC
Saad Malik .....	WECC
Felicia Marcus .....	WECC Board of Directors
Robert Mullin .....	RTO Insider
Chris Mundson .....	US Bureau of Reclamation
Shelli Nyland.....	WECC
Toni Orth.....	US Bureau of Reclamation
Brian Pauling.....	Strategic Foundations
Nathan Powell.....	Desert Power
James Ramos .....	Turlock Irrigation District
Victoria Ravenscroft.....	WECC
Tim Reynolds .....	WECC
Tessa Smith.....	LS Power Development, LLC
Danielle Smith.....	Sacramento Municipal Utility District
Andrew Wilkins.....	Market Surveillance Administrator
Kenneth Wilson .....	Siemens