

# Reliability Risk Committee DRAFT Meeting Minutes Virtual

# Day 1—October 24, 2023 1:00 p.m. to 5:00 p.m.

#### 1. Welcome, Call to Order

Dede Subakti, Reliability Risk Committee (RRC) Co-chair, called the meeting to order at 1:02 p.m. MT on October 24, 2023. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

#### 2. Review WECC Antitrust Policy

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

# 3. Approve Agenda

Mr. Subakti introduced the proposed meeting agenda.

On a motion by Toxie Burriss, the RRC approved the agenda.

# 4. Review and Approve Previous Meeting Minutes

Mr. Subakti introduced the minutes from the meeting on June 28-29, 2023.

On a motion by John Martinsen, the RRC approved the minutes from June 28-29, 2023.

#### 5. Review Previous Action Items

Nicole Lee, Administrative Coordinator, reviewed action items carried over from the RRC meeting on June 28-29, 2023. Action items that are not closed and will be carried forward can be found here.

# 6. List of Risks Update and Proposed Ranking

Tim Reynolds, Reliability Analysis and Data Services Manager, presented the updated list of risks and proposed ranking process. Mr. Reynolds encouraged the RRC risk register and provide feedback by November 29, 2023.

The presentation is posted on the WECC website.



# 7. Three-year Work Plan Status Update

Mr. Subakti led the discussion on the three-year work plan status updates:

John Graminski, Senior Cybersecurity Specialist, presented the <u>Cybersecurity Forum (CSF)</u> <u>three-year work plan update</u>.

Steve Ashbaker, Reliability Initiative Director, presented the Reliability Risk Strike Team (RRST) three-year work plan update.

Alan Wahlstrom, Event and Performance Analysis Subcommittee (EPAS) Chair, presented the EPAS three-year work plan update. NERC is working on several of the Inverter Based Resource (IBR) issues and is making changes to address them. The RRC discussed reviewing this further to see if it needs to remain part of the three-year work plan.

Mr. Reynolds, notified the RRC that an update on the Variable Energy Resource (VER) threeyear workplan will be provided during the next RRC meeting.

Mr. Howell gave an update on the new three-year work plan for the Risk Report.

### 8. Committee Engagement Survey

Mr. Howell presented the Committee Engagement Survey.

# 9. Three-year Work Plan Refresh

Mr. Subakti presented the three-year work plan refresh.

Mr. Howell discussed creating a strike team for the Risk Report with Mr. Reynolds as the WECC lead.

The RRC continued the three-year workplan IBR discussion and ultimately decided to not do keep it as a three-year workplan item due to the work being duplicated.

The RRC discussed the examine current energy adequacy assessment practice.

# 10. Merchant Alert Protocol Action Item Follow-up

Mr. Subakti and Tanner Brier, Bonneville Power Administration (BPA) led the merchant alert protocol action item update discussion. Raj Hundal, Powerex, and Mr. Brier will do further research on it.

# 11. Performance Analysis Strike Team Update

James Hanson, Operations Analysis Manager, presented the Performance Analysis Strike Team update. The scoring method on the reliability and security should be modified to provide more specific thresholds and work with subject matter expert (SME) and other work groups that deal



with data on a regular basis to develop an updated methodology. Security indicators are being discussed. The team will meet after the changes are implemented to verify the results. Mr. Hanson will make the list available.

# Day 2—October 25, 2023 9:00 a.m. to 12:00 p.m.

#### 12. RRC and RAC Coordination Efforts

Mr. Howell provided the RRC and Reliability Assessment committee (RAC) coordination efforts. Increased awareness, coordination effort. The objective is for the groups to actively support coordination actives. Review the list of risks and associated work between the groups and subgroups to see how work can be done for the risks. Coordinate the three-year work in activities and draft a coordination document to document the process.

## 13. Reliability Coordinator Risk Discussion

Mr. Howell led the reliability coordinator risk discussion. The RRC would like to align with the Reliability Coordinator (RC)'s to collaborate on risks being seen. Tim Beach, RC West, system oscillations are being seen more.

Hayden Johnson and Alex Watkins, Southwest Power Pool (SPP), discussed situational awareness and supply through the region. Severe weather events occurred which are being used to learn for future processes. The ECC can be expanded and there be a new process with UFMP.

Greg Park presented FERC's frequency responses for the past year.

Lane Belsher, Alberta Electric System Operator (AESO), provided a AESO update.

Bryan Wolosnick, British Columbia Hydro and Power Authority (BCHA) provided a BCHA update.

#### 14. Summer 2023 Reversed COI Flow

Mr. Subakti and Ms. Loomis presented the summer 2023 reversed California-Oregon Intertie (COI) flow. The NW AC intertie flow differences in July 2019 and July 22023. The RAC and the RRC will discuss this further along with the SRS and PCDS to ensure the flows are in the base cases in the ADS and the PF. Important to understand the reliability risks that are associated with this.



#### 15. Inter-regional Transfer Capability Study

Saad Malik, Reliability Modeling and Assessment Director, presented the Inter-regional Transfer Capability Study.

#### 16. JGC Update

Mr. Howell and Mr. Subakti provided an update on the Joint Guidance Committee (JGC). The Leadership Training will be December 13 and the Three-year Work Plan Alignment meeting will be held December 14.

#### 17. Public Comment

No comments were made.

#### 18. Review New Action Items

- Send the draft Risk Metric to the RRC and other WECC committees for comments
  - Assigned To: Tim Reynolds
  - Due Date: February 27, 2024
- Update and post the three-year work plan
  - o Assigned To: Vic Howell and Nicole Lee
  - Due Date: February 27, 2024
- Get more information about the Merchant alter protocol action item to see if the document still needs to be posted (check with Raj)
  - Assigned To: Tanner Briet
  - o Due Date: February 27, 2024
- Document the Performance Analysis Strike Teams outcomes and recommendations
  - o Assigned To: James Hanson
  - Due Date: February 27, 2024
- Present frequency performance for the interconnection and if possible on a redacted BA level, and also include any impacts due to inertia and the current trending of inertia within the western interconnection
  - Assigned To: PSF (Tim Reynolds will notify PSF)
  - o Due Date: February 27, 2024
- Review other group's agendas prior to the next meetings
  - Assigned To: RRC and RAC
  - o Due Date: February 27, 2024
- Post Chelsea's BPA path flows
  - Assigned To: Nicole Lee
  - Due Date: February 27, 2024



- Provide Risk comments and feedback by COB November 29, 2023
  - o Assigned To: RRC
  - o Due Date: November 29, 2023

# 19. Upcoming Meetings

TBD......Virtual

# 20. Adjourn

Mr. Subakti adjourned the meeting without objection at 11:13 a.m.



# **Exhibit A: Attendance List**

# **Members in Attendance**

Margaret Albright	Bonneville Power Administration—Transmission
Rachel Allen	
Grace Anderson	
Tim Beach	California Independent System Operator
Lane Belsher	Alberta Electric System Operator
Tanner Brier	Bonneville Power Administration
Toxie Burriss	
Lorissa Cardoza	Bonneville Power Administration
Ani Chopra	MATL Canada L.P.
Kevin Conway	Pend Oreille County PUD #1
Kathee Downey	PacifiCorp
Vic Howell	WECC
Raj Hundal	Powerex, Inc.
Hayden Johnson	Southwest Power Pool
Tim Kedis	
Karl Knoll	
Chelsea Loomis	Western Power Pool
Jessica Lopez	Arizona Public Service Company
Nicole Manalili	British Columbia Utilities Commission
Jose Martinez	Salt River Project
Christopher Mclean	
John D. Martinsen	Public Utility District No. 1 of Snohomish County
Neil Robertson	Southwest Power Pool
Russell A. Noble	Public Utility District No. 1 of Cowlitz County
Mike Pfeister	Salt River Project
Luz Ramos	El Paso Electric Company



Trevor Schultz	Idaho Power Company
Dede Subakti	California Independent System Operator
Chifong Thomas	Thomas Grid Advisor
Juan Vincente	El Paso Electric
Alan Wahlstrom	Southwest Power Pool
Byron Williamson	Tacoma Power
Bryan Wolonsnick	BC Hydro
Jessica Zamonis	Western Power Pool

#### Organizations not in Attendance

AltaLink Management Ltd., Arizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives), Arizona Power Authority, Avantus, Avantus, Avantus, Avantus, Avantus, Avista Corporation, Avista Corporation, Avista Corporation, Avista Corporation, British Columbia Hydro and Power Authority, 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 Lompoc, City of Lompoc, City of Lompoc, City of Lompoc, City of Pasadena, City o City of Pasadena, City of Riverside, Clearway Energy Operating, LLC (NRG), Colorado Springs Utilities, Co Power DevCo, LLC, Copia Power DevCo, LLC, Copia Power DevCo, LLC, Copia Power DevCo, LLC, Copia Power DevCo, LLC, CP Energy Marketing (US) Inc., DataCapable Inc., DataCapable Inc., DataCapable Inc., DataCapable Inc., DataCapable Inc., Delta-Montrose Electric Association, Delta-Montrose Electric Association, Delta-Montrose Electric Association, Delta-Montrose Electric Association, Delta-Montrose Electric



Association, DesertLink, LLC, DesertLink, LLC, DesertLink, LLC, DesertLink, LLC, DesertLink, LLC, Electric Power Research Institute, Eligius LLC, Eligius LLC Water & Electric Board, Eugene Water & Electric Board, Farmington Electric Utility System, First-LightEnegy, First-LightEnegy, First-LightEnegy, First-LightEnegy, FortisBC, Inc., FortisBC, Inc., FortisBC, Inc., FortisBC, Inc., FortisBC, Inc., Gallatin Power Partners, LLC, Grid Numerics, Grid Numerics, Grid Numerics, Grid Numerics, Grid Numerics, Grid Subject Matter Experts, Subject Matter Experts, Grid Subject Matter Experts, Grid Subject Matter Experts, Gridforce Energy Management, LLC, Guy Van Uytven, Guy Van Uyt Van Uytven, Guy Van Uytven, Guzman Power Markets, LLC, Imperial Irrigation District, Los Angeles Department of Water and Power, MCE, MCE, MCE, MCE, MCE, NextEra Energy Resources, LLC, NV Energy, NV Energy, NV Energy, NV Energy, NV Energy, Open Access Technology International, Oregon Public Utility Commission, Pacific Northwest National Laboratory, PacifiCorp Merchant Function, PacifiCorp Merchant Function, PacifiCorp Merchant Function, PacifiCorp Merchant Function, Platte River Power Authority, Portland General Electric Company, Power System Consultants, Inc., Public Service Company of Colorado (Xcel Energy), Public Utility District No. 1 of Chelan County, Public Utility District No. 2 of Grant County, Puget Sound Energy, Inc., Puget Sound Energy, Inc., Puget Sound Energy, Inc., Puget Sound Energy, Inc., Quanta Technology, LLC, Regime LLC, Regime LLC, Regime LLC, Regime LLC, Regime LLC, Sacramento Municipal Utility



District, Sacramento Municipal Utility District, Sacramento Municipal Utility District, Sacramento Municipal Utility District, Sacramento Municipal Utility District, San Diego Gas and Electric, Seattle City Light, TransCo Energy, LLC, Transmission Agency of Northern California, Tri-State Generation & Transmission-Power Management Division, Tri-State Generation and Transmission—Reliability, Tucson Electric Power, Turlock Irrigation District, Utah Division of Public Utilities, Utilicast L.L.C., Utility Services, Inc., Utility Services, Inc., Utility Services, Inc., Utility Services, Inc., Washington Department of Commerce - State Energy Office, Western Area Power Administration, Western Interstate Energy Board, Western Interstate Energy Board, Western Interstate Energy Board, Western Interstate Energy Board, Western Interstate Energy Board.

#### Others in Attendance

Chris Albrecht	WECC
Chelsea Andrews	WECC
Steve Ashbaker	WECC
Hamid Atighchi	Powerex, Inc.
Drew Cox	Guidehouse
Travis English	WECC
Matt Evans	WECC
John Graminski	WECC
Dave Grover	WECC
Nick Haggerty	Bonneville Power Administration



James Hanson	WECC
Derek Hawkins	Southwest Power Pool
Curtis Holland	WECC
Robert Jackson	Burns & McDonnell (1898 and Co.)
Lesley Kayser-Sprouse	Hetch Hetchy Water and Power
Nicole Lee	WECC
Saad Malik	WECC
Kris Raper	WECC
Aaron Reid	WECC
Tim Reynolds	WECC
Branden Sudduth	WECC
Jarod Vandehey	Cowlitz Public Utility District
Kenneth Wilson	Siemens

