

1. Welcome, Call to Order, Introductions

Greg Park, Event and Performance Analysis Subcommittee (EPAS) Chair, called the meeting to order at 10:01 a.m. on August 27, 2021. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

2. Review WECC Antitrust Policy

Curtis Holland, Staff Reliability Specialist, read aloud the WECC Antitrust Policy statement. The meeting agenda included a link to the posted policy.

3. Approve Agenda

Mr. Holland introduced the proposed meeting agenda.

On a motion by Bill Middaugh, the EPAS approved the agenda.

4. Review and Approve Previous Meeting Minutes

Mr. Holland introduced the minutes from the meeting on August 18, 2020.

On a motion by Sean Erickson, the EPAS approved the minutes from August 18, 2020.

5. Review of Previous Action Items

Nicole Lee, Administrative Assistant, reviewed action items carried over from the EPAS meeting on August 18, 2020. Action items that are not closed and will be carried forward can be found [here](#).

6. RWG Update

Randy Spacek, Avista Corporation, presented the Communications Systems Performance Guide for Electric Protection Systems. Mr. Park said the version history and table needs to be modified.

On a motion by Mr. Spacek, the EPAS approved the Communications Systems Guide for Electric Protection Systems as amended.

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

Mr. Spacek presented the Transformer Protection for Sudden Relays.

On a motion made by Bill Middaugh, the EPAS approved the Transformer Protections for Sudden Relays.

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

Mr. Spacek presented the System Operation Investigation Analysis Workflow. Mr. Park said it needs a cover and revision page.

On a motion made by Trevor Schultz, the EPAS approved the System Operation Investigation Analysis Workflow.

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

Gene Henneberg, NV Energy, presented the RAS design guide. The guide refers to British Columbia Hydro (BCH). The subcommittee discussed that it may be more appropriately referenced as British Columbia Reliability Coordinator (BCRC). James Hanson, Senior Event Analysis and Situational Awareness Engineer, will follow up with BCRC to see what their preferred reference is. Mr. Henneberg and Mr. Park will have a follow up discussion regarding section six not addressing the magnitude of the generation dropping currently employed in RAS in the Western Interconnection. RASRS needs to be correctly defined and will be corrected in the final version. Section eight needs to define the subcommittee and the version history needs to read WECC, RWG, and RASRS.

On a motion made by Mr. Spacek, the EPAS approved the RAS design guide as amended.

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

Mr. Park would like to make sure the clean and redline version of the documents are available prior to the next Operating Committee (OC) meeting for their review.

7. HPWG Update

Kyle Conroy, Western Area Power Administration (WAPA), presented the Human Performance Knowledge Transfer Task Force (HPKTTF) charter and Knowledge Transfer Principles draft.

On a motion made by Mr. Conroy, the EPAS approved the Knowledge Transfer Principles Draft.

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

8. GOWG Update

Glen Farmer, Avista Corporation, presented the Generator Operator Work Group (GOWG) charter. The subcommittee discussed modifying it to say it is open for generator owners and



generator operators. GOWG will discuss adding generators owners to the scope and EPAS will vote on the final charter via email, after the modification is complete.

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

9. New Cybersecurity Criteria for OE-417

Mr. Hanson gave an overview of the OE-417 criteria changes.

John Graminski, Senior Cybersecurity Specialist, presented the new cybersecurity criteria for OE-417. New requirement fields have been added to the form. Changes were made to CIP-008 and CIP-003 for cybersecurity incidents. It is important to report low impact compromised events and distributed events.

Tim Reynolds, Manager of Event Analysis and Situation Awareness, spoke with other region partners regarding questions about the form. The OE-417 home page has instructions and definitions. Report any event that is questionable.

The OE-417 homepage is located [here](#).

10. December 13, 2020, Open Loop Report

Mr. Hanson presented the December 13, 2020, open loop report. Two forced outages occurred in Southern California. California Independent System Operator (CAISO) and other impacted entities presented the effects of the event on their systems to the Advisory Group every other week through the first week of August. The group assisted WECC staff in the analysis of the event, discussed the magnitude, and identified actions to aid operations if this type of event were to re-occur. WECC sent out a survey to help identify possible utilization of existing tools. There is a non-public report currently being reviewed by WECC management. Once the non-public report is finalized, a public report will be developed. The public report will be presented to the OC, other committees, and work groups. CAISO and WECC will be putting together a webinar about improving the process.

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

11. Public Comment

No comments were offered.

12. Review of New Action Items

- Present the EPAS approved clean and red-line version documents to the OC.
 - Assigned To: Nicole Lee, Randy Spacek, Kyle Conroy
 - Due Date: October 19, 2021



13. Upcoming Meetings (closed sessions)

September 1, 2021Webinar

October 6, 2021Webinar

November 3, 2021Webinar

14. Adjourn

Mr. Park adjourned the meeting without objection at 12:04 p.m.



Exhibit A: Attendance List

Members in Attendance

Bryan Baker Los Angeles Department of Water and Power
Sandra Ellis Pacific Gas and Electric Company
Sean Erickson Western Area Power Administration
Gary Felton Jr. Idaho Power Company
Christiaan Hofmann..... Salt River Project
Joe Medina Arizona Public Service Company
David Nichols Avista Corporation
Greg Park Northwest Power Pool Corporation
Trevor Schultz Idaho Power Company
Alan Wahlstrom Southwest Power Pool
Mark C. Willis Sacramento Municipal Utility District

Members not in Attendance

Thomas Bagnell..... Puget Sound Energy, Inc.
John Battenschlag Southern California Edison Company
Christopher Brown..... US Bureau of Reclamation
Lonnie Chapman Tucson Electric Power
Daniel Goodrich.....Bonneville Power Administration—Transmission
Robert Kerrigan Los Angeles Department of Water and Power
Robin Manuguid..... San Diego Gas and Electric
Richard McLean.....Public Service Company of Colorado (Xcel Energy)
Chris McVicker Puget Sound Energy, Inc.
Nick Messner.....California Independent System Operator
LeRoy Patterson.....Public Utility District No. 2 of Grant County
Steve Schaarschmidt..... Colorado Springs Utilities
Matt Smelser.....Imperial Irrigation District
Norm Szczepanski..... Sacramento Municipal Utility District



Others in Attendance

Steve AshbakerWECC

Kyle ConryWestern Area Power Administration

Glen FarmerAvista Corporation

John GraminskiNevada Energy

John GraminskiWECC

James HansonWECC

Curtis HollandWECC

Nicole LeeWECC

Drew McKinnonBonneville Power Administration

Drew McKinnonBonneville Power Administration

Bill MiddaughTri-State Generation and Transmission—Reliability

LeRoy PattersonPublic Utility District No. 2 of Grant County

Tim ReynoldsWECC

Scott RowleyWECC

James WellsLos Angeles Department of Water and Power

Ryan WestPacific Gas and Electric Company

Steve WickelPublic Utility District No. 1 of Chelan County

Rob WithamPublic Utility District No. 1 of Chelan County

Jeff YoungerSalt River Project

Bill ZhangSouthern California Edison Company

