## Welcome, Call to Order

Krystall Valencia, Human Performance Work Group (HPWG) Chair, called the meeting to order at 10:01 a.m. MT on August 17, 2022. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

## Review WECC Antitrust Policy

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

## Approve Agenda

Ms. Valencia introduced the proposed meeting agenda.

**On a motion by Bob Case, the HPWG approved the agenda.**

## Review and Approve Previous Meeting Minutes

Ms. Valencia introduced the minutes from the meeting on April 20, 2022.

**On a motion by Chief Corpus, the HPWG approved the minutes from April 20, 2022.**

## Review Previous Action Items

Maddy Eberhard, Administrative Coordinator, reviewed action items carried over from the HPWG meeting on April 20, 2022. Action items that are not closed and will be carried forward can be found [here](https://www.wecc.org/_layouts/15/WopiFrame.aspx?sourcedoc=/Administrative/HPWG%20Action%20Items.pdf&action=default&DefaultItemOpen=1).

## Approve HPWG Charter

Mr. Holland presented the modified charter to the committee. The HPWG reviewed edits made to the charter.

**On a motion by Chief Corpus, the HPWG approved the HPWG Charter.**

The presentation is posted to the [WECC website](https://www.wecc.org/_layouts/15/WopiFrame.aspx?sourcedoc=/Administrative/Human%20Performance%20Work%20Group%20Charter%20draft%20clean.docx&action=default&DefaultItemOpen=1).

## HPWG Event Review Process Discussion

Mr. Holland provided an example of an event that occurred and how the former Human Performance Event Analysis Work Group (HPEAWG) provided human performance tools to combat the issue. A discussion was held on presenting similar events to a select group of HPWG volunteers to review and provide feedback. The group agreed that it would be better to distribute these type of events to the entire group. HPWG members are encouraged to provide comments on how human performance tools can prevent issues during events.

The work group discussed the role of NERC event analysis in relation to the WECC event analysis and how members would know when an event occurs.

## WECC EA Human Performance Metrics

James Hansen, Senior Event Analysis Engineer, presented the analysis for the WECC events that have gone through the NERC Event Analysis (EA) process. Mr. Hansen led a discussion about the event categories. He also presented that the contributing causes of these categorized events were human performance and organizational performance.

The presentation is posted to the [WECC website](https://www.wecc.org/_layouts/15/WopiFrame.aspx?sourcedoc=/Administrative/Event%20Analysis%20Trending_August%202022.pdf&action=default&DefaultItemOpen=1).

## Public Comment

No comments were offered.

## Review New Action Items

* Add agenda item to provide feedback on EA input from HPWG.
	+ Assigned To: HPWG members
	+ Due Date: November 16, 2022
* Send out an email to HPWG on process for input on Human Performance aspects of WECC EA events.
	+ Assigned To: Curtis Holland
	+ Due Date: November 16, 2022
* HPWG Charter will be presented for approval at the Event and Performance Analysis Subcommittee (EPAS) Meeting on September 7, 2022.
	+ Assigned to: Curtis Holland
	+ Due Date: September 7, 2022

## Upcoming Meetings

November 16, 2022 Virtual

March 15, 2023 Virtual

## Adjourn

Ms. Valencia adjourned the meeting without objection at 11:03 a.m.

## **Exhibit A: Attendance List**

### Members in Attendance

Mel Ayala Pacific Gas and Electric Company

Bob Case Black Hills Corporation

Chief Corpus Portland General Electric Company

Curtis Holland WECC

Philip Mayson Alberta Electric System Operator

LeRoy Patterson Public Utility District No. 2 of Grant County

Krystall Valencia Western Area Power Administration

### Members not in Attendance

Jesus "Sammy" Alcaraz Imperial Irrigation District

Ward Andrews Wilson Contruction

Bryan Baker Los Angeles Department of Water and Power

Deveny Bywaters Knowledge Vine

Wendy Center U.S. Bureau of Reclamation

Kyle Conroy Western Area Power Administration

Farid Dadi Alberta Electric System Operator

Brian Dawson NRG Energy, Inc.

Pamela Ey The Center for Innovative Decision Making

John Flynt Western Area Power Administration

Aidan Gallegos Public Service Company of New Mexico

Dan Garrison Public Utility District No. 1 of Chelan County

Jan Grammer Portland General Electric Company

Shawn Halverson Bonneville Power Administration

Norm Harryhill Western Area Power Administration

Katya Le Blanc Idaho National Laboratory

Michael Legatt Resilient Grid

Janelle Marriott-Gill Tri-State Generation and Transmission—Reliability

Jose Martinez Salt River Project

Curtis Michael Bonneville Power Administration—Transmission

Jeni Mistry Salt River Project

Chelsey Neil Puget Sound Energy, Inc.

Steven Owen Public Service Company of Colorado (Xcel Energy)

Steven Pelletier Los Angeles Department of Water and Power

Scott Perhus Black Hills Corporation

Tim Petrie Michels Power

Christina Price Arizona Public Service Company

Kammy Rogers-Holliday Bonneville Power Administration

Scott Rowley WECC

Steve Schmidt Puget Sound Energy, Inc.

Jim Statwick Public Service Company of Colorado (Xcel Energy)

Stephanie Swindle Southern Company

Norm Szczepanski Sacramento Municipal Utility District

Lisa Umeda City of Vernon

Karla Weaver Public Utility District No. 2 of Grant County

Laurie Williams PNM Resources

Rob Witham Public Utility District No. 1 of Chelan County

Robert Wolf Louisville Gas & Electric

John Yale Public Utility District No. 1 of Chelan County

Jeff Younger Salt River Project

### Others in Attendance

Maddy Eberhard WECC

Angie Hall Pend Oreille County PUD #1

James Hanson WECC

Anne Kronshage Public Utility District No. 1 of Chelan County

Brody Leidecker AvistaCorp

Adam Wiltse Pend Oreille County PUD #1