## Welcome, Call to Order

Jamie Austin, Production Cost Data Subcommittee (PCDS) Chair, called the meeting to order at 9:05 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

Tyler Butikofer, System Adequacy Planning Engineer, read aloud the WECC Antitrust Policy statement. The meeting agenda included a link to the posted policy.

## Approve Agenda

Ms. Austin introduced the proposed meeting agenda.

**On a motion by Chelsea Loomis, the PCDS approved the agenda.**

## Review and Approve Previous Meeting Minutes

There were no previous meeting minutes for approval.

## Implemented 2032 ADS PCM Changes

Mr. Butikofer presented that the capacities were modified in GridView to not exceed Pmax in the power flow (PF). The PCDS discussed questions and concerns about the name of the feature used, VARMarginRatio. The feature ensures that total capability does not to exceed a certain percentage. Moving forward the name might be changed.

Mr. Butikofer also presented that the Alberta CO2 prices were modified to match the British Columbia value.

Path ratings were unrestrained when no direction is defined. The PCDS discussed questions and concerns about reverse flows. The results of the path flow may need to be conveyed to the owners and operators if they want to do a study. These assumptions can be included with the results.

The presentation is posted to the [WECC website](https://www.wecc.org/Administrative/2032%20ADS%20PCM%20V1.4%20changes%20and%20results_ADS%20Approval_TB_V2.pdf).

## Key Findings and Results

Mr. Butikofer presented a summary of unserved load, congested paths, yearly dispatch, and key path flows. The PCDS discussed the extra generation that was found by Western Area Power Administration (WAPA) for its Colorado-Missouri Region in the 2032 ADS and why the Craig units were not included. The PCDS discussed how to find and use spillage in the case.

## Approve 2032 ADS PCM Version 2.0

**On a motion by Yi Zhang, the PCDS approved the following:**

**It is moved to approve the 2032 ADS PCM V2.0, Approved Version as described in the presentation provided by Mr. Butikofer.**

* **As changes are needed, they will be incorporated into change files and subsequent versions may be released, if needed.**
* **By Friday, August 19, 2022, before posting:**
  + **Missing resources for Public Service Company of Colorado (PSCO) and WACM, which WECC received, will be incorporated.**
  + **CFE load will be reduced by 10% total.**

## Packaging Results for Stakeholder Review

Jon Jensen, System Adequacy Planning Engineer, requested feedback from the PCDS on what they wanted included in the results. The PCDS discussed that it could be useful to have an announcement letting the subcommittee know that the case is ready for use and where it is located and how to obtain it.

The PCDS discussed that there could be a short discussion in a meeting about what has changed and what is pending, a summary should be created following any changes, the list of issues that are ongoing and underway should be publicly available, and the public case version should include the status of pending items.

## Changes to Come and Process Moving Forward

This topic was moved to a future meeting.

## Public Comment

No comments were offered.

## Review Previous Action Items

The PCDS did not review action items carried over from the meeting on August 10, 2022. Action items that are not closed and will be carried forward can be found [here](https://www.wecc.org/Administrative/PCDS%20Action%20Items.pdf).

## Review New Action Items

* Post the 2032 ADS PCM Version 2.0.
  + Assigned To: Jon Jensen
  + Due Date: August 19, 2022
* Incorporate missing resources for the PSCO and WACM which WECC receives.
  + Assigned To: Tyler Butikofer
  + Due Date: August 19, 2022
* Reduce CFE load by 10% total.
  + Assigned To: Tyler Butikofer
  + Due Date: August 19, 2022

## Upcoming Meetings

August 24, 2022 Virtual

September 7, 2022 Virtual

September 14, 2022 Virtual

## Adjourn

Ms. Austin adjourned the meeting without objection at 10:59 a.m.

## **Exhibit A: Attendance List**

### Members in Attendance

Jamie Austin PacifiCorp

Eliana Ibarra Imperial Irrigation District

Chelsea Loomis Western Power Pool

Effat Moussa San Diego Gas and Electric

Chifong Thomas Thomas Grid Advisor

Steven Wallace Comprehensive Power Solutions, LLC

Stan Williams Bonneville Power Administration - Transmission

Yi Zhang California Independent System Operator

### Members not in Attendance

Lee Alter Tucson Electric Power

Hazel Aragon California Energy Commission

Jose Diaz Los Angeles Department of Water and Power

Christopher Fecke-Stoudt Arizona Public Service Company

Jonathon Flores Los Angeles Department of Water and Power

Monica Garcia El Paso Electric Company

Manuel Gomez El Paso Electric Company

Michael Granados Los Angeles Department of Water and Power

Chris Hagman American Transmission Company

Kevin Harris Pacific Northwest National Laboratory

Bill Hosie PSI Power System Innovation Corp.

Tito Inga-Rojas British Columbia Hydro and Power Authority

Anders Johnson Bonneville Power Administration - Transmission

Harris Lee Salt River Project

Amy Li Southern California Edison Company

John Liang Public Utility District No. 1 of Snohomish County

Peter Mackin GridBright, Inc.

Akhil Mandadi Arizona Public Service Company

John D. Martinsen Public Utility District No. 1 of Snohomish County

Kimberly McClafferty NorthWestern Energy

Hank McIntosh San Diego Gas and Electric

Ahlmahz Negash Tacoma Power

Daniel Ramirez Energy Strategies

Dan Schaefer Salt River Project

Matthew Stajcar NorthWestern Energy

Sirisha Tanneeru Public Service Company of Colorado

Emily Tozier Salt River Project

Xiaobo Wang California Independent System Operator

Di Xiao Southern California Edison Company

### Others in Attendance

Tyler Butikofer WECC

Natalie Carter WECC

Stan Holland WECC

Jon Jensen WECC

Bhavana Katyal WECC

BK Ketineni WECC

Luba Kravchuk California Independent System Operator

Katie Rogers WECC

Byron Woertz WECC

Jin Zhu Hitachi Energy