

1. 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.

2. 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.

3. Approve Agenda

Ms. Austin introduced the proposed meeting agenda.

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

4. Review and Approve Previous Meeting Minutes

There were no previous meeting minutes for approval.

5. 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. Members of the PCDS also shared additional information about the power flow in the case.

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

6. 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.

7. 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.

8. 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.

9. Changes to Come and Process Moving Forward

This topic was moved to a future meeting.

10. Public Comment

No comments were offered.



11. 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](#).

12. 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

13. Upcoming Meetings

August 24, 2022.....Virtual

September 7, 2022Virtual

September 14, 2022Virtual

14. 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

