

Production Cost Data Subcommittee

Meeting Minutes

Virtual

June 4, 2025

10:00 to 11:30 a.m. Mountain Time

1. Welcome, Call to Order

Kevin Harris, Production Cost Data Subcommittee (PCDS) Chair, called the meeting to order at 10:00 a.m. MT on June 4, 2025. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

2. Review WECC Antitrust Policy

Anuj Patil, Senior Reliability Modeling Engineer, read aloud the WECC Antitrust Policy statement. The policy can be found on wecc.org.

3. Approve Agenda

Mr. Harris introduced the proposed meeting agenda.

The topic of Data Review was requested to be added to the agenda by Kevin Harris.

On a motion by Chifong Thomas, the PCDS approved the agenda.

4. Review and Approve Previous Meeting Minutes

Mr. Harris introduced the minutes of the meeting on May 28, 2025.

On a motion by Chelsea Loomis, the PCDS approved the minutes of the meeting on May 28, 2025.

5. Review Previous Action Items

Mr. Patil reviewed action items carried over from the PCDS meeting on May 28, 2025. Action items that are not closed and will be carried forward can be found on wecc.org.

6. Follow-Up Items, Affiliation

Mr. Patil gave a presentation on the 2034 ADS PCM V2 follow-up. BTM energy monthly capacity uses loads and resources data if available. If the Loads and Resources data is not available, EIA data is used. The new area hourly shapes used were based on the 2032 county-level shapes. Some of the areas had significant differences in their BTM energy between the 2034 ADS PCM version 2 (published in July 2024) and the latest version of the 2034 ADS PCM. WECC will review these again to make sure the correct BTM energy is being modeled.

Some details on the PSCO and WACM unserved load were presented, and a discussion followed. WECC had reached out to WAPA Rocky Mountain for insights on the consistent unserved load being observed in the Four Corners region of Colorado and congestion on some of the branches there. WAPA confirmed that the two San Juan-Waterflow branches are phase angle regulators (PAR) and that they are operated in tandem with the Shiprock PARs to regulate the flow on WECC Path 31 TOT2A. WECC noted that these branches were modeled as PARs in the 2032 ADS PCM case. The ADS 2034 V3 case was tested with the phase regulation enabled at +/- 30 degrees and the unserved load reduced a bit in the WACM and PSCO regions, although not completely. WAPA also suggested that the issue with unserved loads and flows in that region are not surprising given the retirements of large capacity thermal plants like Craig, San Juan, and Four Corners. The PCDS determined that WECC should investigate the issue further with WAPA and PSCO to narrow down the details of the unserved loads in the region.

7. Data Review

Mr. Harris (PNNL) had a few changes to suggest for the latest version of the 2034 ADS PCM case following his review of it. He will be posting the list of changes to the PCDS team site for WECC to use.

Mr. Harris also suggested including the TransWest Express (TWE), Cross Tie, Evolving Grid, and SWIP North projects in the 2034 ADS PCM case. Both the projects are present as optional change cases on the PCDS team site; however, now these projects will be included in the core case with all the necessary equipment turned off. In addition, there will be optional change cases created to turn on the equipment in these projects.

8. Keeping Track of GridView Issues

Chelsea Loomis, Western Power Pool, noted an issue that she saw recently with GridView in which upon exporting the GridView model to the PSLF .epc format, generators with 'X' in their ID were seeing their type getting changed (e.g., Wind type changing to Solar) randomly. Ms. Loomis said she will be reaching out to Hitachi for their feedback on the issue in the next few days.

9. Public Comment

There were no public comments.

10. Review New Action Items

- Check internally whether there are any updates for the IPP nomogram and CO2 cost
 - Assigned To: LADWP
 - Due Date: June 11, 2025

11. Review Upcoming Meetings

June 11, 2025..... Virtual
June 18, 2025..... Virtual



July 2, 2025 Virtual

12. Adjourn

Mr. Harris adjourned the meeting without objection at 11:15 a.m.



Exhibit A: Attendance List

Members in Attendance

Stephen Benchluch Accelergen Energy
Joel Eggemeyer Black Hills Corporation
Lance Felleson PacifiCorp
Michael Granados Los Angeles Department of Water and Power
Kevin Harris Pacific Northwest National Laboratory
Richard Jensen California Energy Commission
Anders Johnson Bonneville Power Administration—Transmission
Bhavana Katyal Portland General Electric Company
Chelsea Loomis Western Power Pool
Effat Moussa San Diego Gas and Electric
Eliana Orta Imperial Irrigation District
Amit Rao Puget Sound Energy, Inc.
Chifong Thomas Thomas Grid Advisor
Yi Zhang California Independent System Operator

Members not in Attendance

Tyler Butikofer Energy Strategies
Max Code Pattern Energy Group LP
Renchang Dai Puget Sound Energy, Inc.
Al Francis De Vera NV Energy
Jose Diaz Los Angeles Department of Water and Power
Sylvia Gard Puget Sound Energy, Inc.
Martin Green Pattern Energy Group LP
Boris Idelchik NV Energy
Jon Jensen WECC
Kimberly McClafferty NorthWestern Energy
Jacob Richardson Western Resource Advocates
Nader Samaan Pacific Northwest National Laboratory
Ian Schomer Newton Energy Group, LLC
Bharat Vyakaranam Pacific Northwest National Laboratory
Stan Williams Bonneville Power Administration—Transmission
Di Xiao Southern California Edison Company

Others in Attendance [Only for technical committees]

Jamie Austin Qualus Corp
Keith Ban San Diego Gas and Electric
Natalie Carter WECC
Jose Castaneda Imperial Irrigation District
Andrew Fay WECC



Colby Johnson.....Energy Strategies
BK Ketineni Pacific Northwest National Laboratory
Anuj Patil.....WECC
Gary Simonson..... Flynn Resource Consultants, Inc.