

Production Cost Data Subcommittee

Meeting Minutes
Virtual

August 20, 2025

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

1. Welcome, Call to Order

Anuj Patil, Production Cost Data Subcommittee (PCDS) stand-in liaison from WECC, called the meeting to order at 10:05 a.m. MT on August 20, 2025. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

2. Review of WECC Antitrust Policy

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

3. Approve Agenda

A. Patil introduced the proposed meeting agenda.

On a motion by Bhavana Katyal, the PCDS approved the agenda.

4. Review and Approve Previous Meeting Minutes

A. Patil introduced the minutes of the meeting on August 6, 2025.

On a motion by Steven Benchluch, the PCDS approved the minutes of the meeting on August 6, 2025.

5. Review Previous Action Items

A. Patil reviewed action items carried over from the PCDS meeting on August 6, 2025. Action items that are not closed and will be carried forward can be found on wecc.org.

6. GridView Enhancements Discussion Continued

A. Patil presented the GridView enhancements and led the discussion on the following items

- Maintenance windows
- Non-thermal maintenance
- More load shapes for data center loads for higher load factors
- Develop generic data, down-time battery, ramp rates, non-thermal, etc.
- Generic ramp rate for hydro and pump storage

The discussion will be continued during the next PCDS meeting to finalize the logic and priority on these items before they are communicated with Hitachi.

7. 2036 ADS PCM Schedule and Comments

A. Patil presented the 2036 ADS PCM schedule. It is posted to wecc.org on the meeting calendar of the 8-20 PCDS meeting for review and will be listed as an approval item during the next PCDS meeting. A. Patil mentioned that the 2036 heavy summer power flow case, which will be used to build the 2036 ADS PCM, is running a little behind the schedule, which will result in some updates to the 2036 ADS PCM schedule.

8. PSEI Generator Ownership

Amit Rao, Puget Sound Energy (PSEI), led the discussion on the PSEI generator ownership. Some of the generators in the ownership tables of the 2034 ADS have incorrect owners in the Pacific Northwest area. Bhavana Katyal, Portland General Electric (PGE), had also seen a similar issue in the PGE footprint and is working on providing a list of generators and buses with the correct owners to WECC.

9. Battery Model vs. PS Model for Next Cycle

Kevin Harris, PCDS Chair led the discussion on the battery model and the pumped storage model within GridView. The PCDS determined that WECC will check with Hitachi on how the GridView simulation with battery model runs without MIO (Multiple Interval Optimization), with MIO, and with a combination of Look-Ahead and MIO to determine whether there are any significant impacts to the results and run time of the simulation.

10. 2034 ADS PCM Comments

A. Patil led the discussion on the updates for the 2034 Anchor Data Set (ADS) production cost model (PCM). There are a few minor change cases that have been uploaded to the PCDS Team site.

11. Wind Production Tax Credit Modeling

A. Rao led the discussion on wind production tax credit modeling in the ADS. The PCDS determined that WECC will review how the dispatch costs are modeled in the ADS and whether anything needs to be changed for the next cycle.

12. Keeping Track of GridView Issues

N/A

13. Public Comment

K. Harris presented the NREL data and inverter ratios. K. Harris will follow up to see whether this information is public and whether it can be posted on wecc.org.

14. Review of New Action Items

- Review Base Transmission for the base case (TransWest Express)
 - Assigned to: WECC
 - Due Date: September 3, 2025
- Get Hitachi to clarify the differences in results and performance of the battery model in GridView without MIO, with MIO, and with LA+MIO.
 - Assigned to: WECC/Hitachi
 - Due Date: September 17, 2025
- Review Production Cost tax credits in the 2034 ADS and see whether anything needs to change for the 2036 cycle.
 - Assigned to: WECC
 - Due Date: September 3, 2025
- S. Benchluch to send examples of battery downtime and number of cycles for batteries provided by different vendors.
 - Assigned to: Stephen Benchluch
 - Due Date: September 3, 2025
- Open action: if anyone finds public data relevant to PC modeling assumptions, bring it to Jon.
 - Assigned to: PCDS
 - Due Date: N/A

15. Review Upcoming Meetings

September 3, 2025 Virtual
September 17, 2025 Virtual
October 1, 2025 Virtual

16. Adjourn

K. Harris adjourned the meeting without objection at 11:40 a.m.



Exhibit A: Attendance List

Members in Attendance

Stephen Benchluch Accelergen Energy
Joel Eggemeyer Los Angeles Department of Water and Power
Al Francis PacifiCorp
Martin Green Pattern Energy Group LP
Kevin Harris Pacific Northwest National Laboratory
Boris Idelchik NV Energy
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.
Jose Diaz NV Energy
Lance Felleson Black Hills Corporation
Sylvia Gard Puget Sound Energy, Inc.
Michael Granados Los Angeles Department of Water and Power
Jon Jensen WECC
Richard Jensen California Energy Commission
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

Keith Ban San Diego Gas and Electric
Andrew Fay WECC
Agniszka Hernandez Leeward Renewable Energy

BK Ketineni Pacific Northwest National Laboratory
Nicole Lee WECC
Anuj Patil WECC
Brandon Wilde WECC