

1. Welcome, Call to Order

Kevin Harris, Production Cost Data Subcommittee (PCDS) Chair, called the meeting to order at 10:03 a.m. on April 16, 2025. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

2. Review WECC Antitrust Policy

Jon Jensen, 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.

By consensus, the PCDS approved the agenda.

4. Review Previous Action Items

Mr. Jensen reviewed action items carried over from the PCDS meeting on April 9, 2025. Action items that are not closed and will be carried forward can be found in the PCDS Quick Links Section on the WECC website.

5. Announcements

Mr. Jensen shared that Mr. Harris is working on updating some thermal heat rates; Mr. Harris stated that they will be updated in the thermal tables. He is also assigning the outage information to generic tables to update the units instead of manually changing the data unit by unit.

Mr. Jensen asked the group whether the pump storage ramp rates were reasonable. They added the review of ramp rates to the PCDS action items to discuss later.

6. Maintenance and Forced Outage Rates

Mr. Jensen shared that the generic maintenance and outage duration averages 28 hours, or 1.2 days. Mr. Harris shared the outage rate spreadsheet with the PCDS. They added the review of maintenance and outage duration rates according to subtype to the PCDS action items for later discussion.

7. 2034 ADS PCM V2 Follow-Up

Mr. Jensen and Anuj Patil, Senior Reliability Modeling Engineer, followed up with the 2034 ADS PCM V2 case updates. Mr. Jensen shared the latest updates to the 2034 ADS PCM and result outputs from the latest ADS PCM simulation. Mr. Patil shared analysis on the generator alignment between the 2034H1 power flow and the 2034 ADS PCM case. They answered participants' questions and adjusted the wording on 4-10-2025 Case Updates to better reflect the group's progress. They also discussed regional net transfers, annual energy stats, generator realignment, and next steps.

8. Keeping Track of GridView Issues

There were no GridView issues to discuss.

9. Public Comment

No comments were made.

10. Review New Action Items

- Review maintenance and outage duration.
 - Assigned To: WECC
 - Due Date: 04/23/25
- Ask Hitachi if they can accommodate VRE/non-firm supply in maintenance scheduling and if they can accommodate aligning maintenance with defined maintenance windows.
 - Assigned To: WECC
 - Due Date: 04/23/25
- Review the ramp rates for energy storage.
 - Assigned To: WECC
 - Due Date: 04/23/25
- Share pc-GAR files with Kevin.
 - Assigned To: WECC
 - Due Date: 04/23/25

11. Upcoming Meetings

April 23, 2025..... Virtual
April 30, 2025..... Virtual
May 7, 2025..... Virtual



12. Adjourn

Mr. Harris adjourned the meeting without objection at 11:32 a.m.



Exhibit A: Attendance List

Members in Attendance

Stephen Benchluch Accelergen Energy
Joel Eggemeyer Black Hills Corporation
Kevin Harris Pacific Northwest National Laboratory
Jon Jensen.....WECC
Richard Jensen..... California Energy Commission
Anders Johnson.....Bonneville Power Administration—Transmission
Bhavana Katyal Portland General Electric Company
Chelsea Loomis Western Power Pool
Ian Schomer Newton Energy Group, LLC
Chifong Thomas Thomas Grid Advisor
Bharat Vyakaranam..... Pacific Northwest National Laboratory
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..... Los Angeles Department of Water and Power
Lance Felleson PacifiCorp
Sylvia Gard Puget Sound Energy, Inc.
Michael Granados..... Los Angeles Department of Water and Power
Martin Green Pattern Energy Group LP
Kimberly McClafferty NorthWestern Energy
Effat Moussa..... San Diego Gas and Electric
Eliana Orta Imperial Irrigation District
Jacob Richardson Western Resource Advocates
Nader Samaan..... Pacific Northwest National Laboratory



PCDS Meeting Minutes—April 16, 2025

Stan WilliamsBonneville Power Administration—Transmission

Di Xiao..... Southern California Edison Company

Others in Attendance

Maya Brimhall.....WECC

Sidart DebLCG Consulting

Andrew FayWECC

Agnieszka Hernandez..... Leeward Renewable Energy, LLC

BK Ketineni..... Pacific Northwest National Laboratory

Stacey Kohler..... Bonneville Power Administration

Anuj PatilWECC

Jonathan Young Bonneville Power Administration

