

1. Welcome, Call to Order

Kevin Harris, Production Cost Data Subcommittee (PCDS) Chair, called the meeting to order at 10:05 a.m. MT on March 19, 2025. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

2. Review WECC Antitrust Policy

Andrew Fay, Associate 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.

Mr. Harris requested the Review SPPC Load Forecast be added.

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

4. Review and Approve Previous Meeting Minutes

Approval of the minutes from the meeting on March 12, 2025, will be moved to the March 26, 2025, meeting.

5. Review Previous Action Items

Mr. Fay reviewed action items carried over from the PCDS meeting on March 12, 2025. Action items that are not closed and will be carried forward can be found on wecc.org.

6. Announcements

No announcements were made.

7. Energy Efficiency of Battery Storage

Mr. Harris led a discussion on energy efficiency of battery storage and the current technology limits of round-trip efficiency of 83% per PNNL vs. 85% used in the current ADS PCM. Mr. Harris will provide an update and comparison of historical data at the next meeting.

8. Review SPPC Load Forecast

Mr. Harris gave a review of the SPPC Load Forecast, comparing the 2024 and 2025 peak load and monthly energy values. WECC will determine the minimum additional load for SPPC required to prevent load clipping caused by the hourly load forecast being lower than the non-conforming load in 2034. This will be compared to the proposed addition of 900 MW agreed to by the PDCS.

9. 2034 ADS PCM V2 Follow-Up

Mr. Fay gave a presentation on the 2034 ADS PCM V2 follow-up. The PCDS meeting minutes and presentations can be found on the WECC calendar and are being added to the PCDS team site. The PCDS will have scheduled meetings every Wednesday through April 2025. Mr. Fay gave updates on the progress made within the last week, including receiving additional information on the generator alignment between the 2034 ADS PCM and the 2034 PF from PNNL that will be incorporated along with WECC updates.

Remaining items to be completed were discussed along with the addition of unit aggregations. WECC will perform aggregations of hydro, internal combustion, and battery storage at the plant level and will review small individual units. These will be developed as separate change cases by unit type. The discussion included questions regarding hydro modeling methodology and data availability. WECC will provide an update on hydro modeling at the next meeting.

The presentation can be found on wecc.org.

10. Keeping Track of GridView Issues

No issues were brought up.

11. Public Comment

No comments were made.

12. Review New Action Items

- Determine the minimum additional load for SPPC required to prevent load clipping compared to proposed 900 additional megawatts
 - Assigned To: WECC
 - Due Date: March 26, 2025
- Review and provide hydro documentation methodology along with units that have hourly data available
 - Assigned To: WECC
 - Due Date: March 26, 2025



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- Aggregate Hydro, ICE and batteries by plant into separate change cases
 - Assigned To: WECC
 - Due Date: April 9, 2025

13. Upcoming Meetings

March 26, 2025..... Virtual

April 2, 2025..... Virtual

April 9, 2025..... Virtual

14. Adjourn

Mr. Harris adjourned the meeting without objection at 11:33 a.m.



Exhibit A: Attendance List

Members in Attendance

Stephen Benchluch Accelergen Energy
Lance Felleson PacifiCorp
Kevin Harris Pacific Northwest National Laboratory
Richard Jensen California Energy Commission
Kimberly McClafferty NorthWestern Energy
Effat Moussa San Diego Gas and Electric
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 Los Angeles Department of Water and Power
Sylvia Gard Puget Sound Energy, Inc.
Michael Granados Los Angeles Department of Water and Power
Martin Green Pattern Energy Group LP
Jon Jensen WECC
Anders Johnson Bonneville Power Administration—Transmission
Bhavana Katyal Portland General Electric Company
Chelsea Loomis Western Power Pool
Eliana Orta Imperial Irrigation District
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



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Di Xiao..... Southern California Edison Company

Others in Attendance [Only for technical committees]

Keith Ban..... San Diego Gas and Electric

Natalie Carter.....WECC

Andrew Fay.....WECC

BK Ketineni..... Pacific Northwest National Laboratory

Gary Simonson..... Flynn Resource Consultants, Inc.

