

1. Welcome, Call to Order

Kevin Harris, Production Cost Data Subcommittee (PCDS) Chair, called the meeting to order at 10:02 a.m. MT on March 12, 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 topics “Loads and Resources Data Issues” and “Nuclear Maintenance Cycles” were added by Mr. Harris.

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

4. Review and Approve Previous Meeting Minutes

Mr. Harris introduced the minutes from the meeting on March 5, 2025.

On a motion by Chelsea Loomis, the PCDS approved the minutes from March 5, 2025.

5. Review Previous Action Items

Mr. Patil reviewed action items carried over from the PCDS meeting on March 5, 2025. Action items that are not closed and will be carried forward can be found at wecc.org.

6. Announcements

No announcements were made.

7. 2034 ADS PCM V2 Follow-Up

Mr. Patil gave an update on the 2034 ADS PCM V2. To address the issue of SPPC’s hourly load forecast being lower than the non-conforming load for the majority of the 2034 year, WECC proposed to increase the hourly load by 1,300 MW or an amount that would be just enough to avoid having negative conforming loads during the year. Yi Zhang from California ISO

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suggested to instead follow up with SPPC to clarify whether they had included data centers in their hourly load forecasts and, if so, where exactly those data centers are located. Mr. Zhang suggested that, once the locations are confirmed, WECC could model pumped loads at those busses instead of simply adding 1,300 MW to the hourly forecast. After a lengthy discussion on which method would make more sense to address the issue, it was determined that WECC will follow up with SPPC on further clarification regarding their load forecasts and data centers, after which the next steps would be determined at the next PCDS.

Following the SPPC load discussion, Mr. Patil talked about the ADS updates that WECC completed over the past week, which included the NW topology changes, the NSONGS changes sent to SRS as base case modifications, and the updates to maintenance cycles for Columbia and Palo Verde 2 nuclear units. Mr. Patil and Mr. Harris also talked about the remaining items, which included the alignment of supply in the 2034 ADS with the 2034 PF case, the redistribution of unmapped units based on unaligned PF units, netting some of the unmapped units in the ADS by distributing them to the load area in the Generator Distribution table.

Jose Diaz from LADWP confirmed that the wind generation on WECC Path 27 can be exempt from CO2 costs. WECC will address this in a change case.

8. BPA Path Ratings Changes Follow-Up

This topic will be moved to the March 19, 2025, meeting.

9. SPPC Load Review

Discussed as part of the 2034 ADS PCM V2 follow-up agenda item above.

10. Follow-Up on Non-Conforming Load

After the PCDS meeting on 3-5-2025, WECC followed up with Hitachi to confirm how GridView treats conforming loads when the net hourly load drops below the non-conforming load. Hitachi confirmed that this will result in negative conforming loads, which will be treated by GridView as supply and distributed accordingly. Hitachi recommended that the hourly load shape should be adjusted in such scenarios.

This raised the point of having checks in place in the future to make sure that the non-conforming load does not exceed the hourly load shape for an area. One way to do this is to track the non-conforming load in the Grow_Loads tab of the Hourly_Loads_LnR spreadsheet that WECC uses. Another way is to have it flagged in a log file by GridView, which would require a software enhancement.



11. Loads and Resources Data Issues

Mr. Harris brought up some of the discrepancies in the generator data between the 2024 Loads & Resources and the 2034 Heavy Summer Power Flow case as he has been working on the generator alignment between the power flow case and the 2034 ADS case. One of the examples he discussed was the La Joya wind farm where the power flow case has four La Joya units representing the wind farm, and the 2034 ADS (based on the 2024 Loads & Resources) has two units representing the same wind farm. Mr. Harris indicated he is aggregating units like these into a single unit in the ADS to help the simulation runtime and stated the need to be careful while identifying units. Another example discussed was the Sutter plant, which is missing half the plant in the 2024 Loads & Resources data where only one unit (275 MW capacity) is being noted, whereas the power flow case has three units with a total capacity of 525 MW.

12. Nuclear Maintenance Cycles

Following the discussion from the 03-05-2025 PCDS meeting on nuclear generator maintenance cycles, Mr. Harris presented a spreadsheet called Nuclear_Maint.xlsx containing more information on the maintenance cycles for the Columbia, Diablo Canyon, and Palo Verde nuclear units. The file can be found on the PCDS team site in the 2034 ADS PCM V2 folder.

13. Keeping Track of GridView Issues

No GridView issues were noted in this meeting.

14. Public Comment

Chelsea Loomis with Western Power Pool gave an update on what is being done with the 20-year PCM. The RAC has approved the document from the Long-term Planning Task Force, which describes how the 20-year ADS is supposed to be built. The 20-year ADS will be built by the PCDS using a 20-year base case provided by the SRS. Unless told otherwise, the same assumptions with regard to costs, expected availability that are made in the 10-year ADS, will also be made in the 20-year ADS. Utilities will be expected to provide 20-year projections for load forecasts as part of the Loads & Resources submittals. More details will be discussed in a future meeting.

15. Review New Action Items

- Follow-up with SPPC on whether they have included data centers as part of the load forecast and, if so, what the exact locations are
 - Assigned To: WECC
 - Due Date: March 19, 2025



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16. Upcoming Meetings

March 19, 2025..... Virtual

March 26, 2025..... Virtual

April 2, 2025..... Virtual

17. Adjourn

Mr. Harris adjourned the meeting without objection at 11:31 a.m.



Exhibit A: Attendance List

Members in Attendance

Stephen Benschluch Accelergen Energy
Jose Diaz..... Los Angeles Department of Water and Power
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
Eliana Orta Imperial Irrigation District
Jacob Richardson Western Resource Advocates
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.
Sylvia Gard Puget Sound Energy, Inc.
Martin Green Pattern Energy Group LP
Jon Jensen.....WECC
Kimberly McClaffertyNorthWestern Energy
Effat Moussa..... San Diego Gas and Electric
Nader Samaan..... Pacific Northwest National Laboratory
Bharat Vyakaranam..... Pacific Northwest National Laboratory
Stan WilliamsBonneville Power Administration—Transmission
Di Xiao..... Southern California Edison Company



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Others in Attendance [Only for technical committees]

Keith Ban..... San Diego Gas and Electric
Yogesh Bhadari Nextera Energy
Natalie Carter.....WECC
Jose Castaneda Imperial Irrigation District
Anna Edwards Puget Sound Energy, Inc.
Andrew FayWECC
BK Ketineni..... Pacific Northwest National Laboratory
Stacey Kohler.....Bonneville Power Administration—Transmission
Johh Liang..... Public Utility District No. 1 of Snohomish County
Anuj PatilWECC
Gary Simonson.....Flynn Resource Consultants, Inc.
Jonathan YoungBonneville Power Administration—Transmission

