

1. Welcome, Call to Order

Jon Jensen, Production Cost Data Subcommittee (PCDS) member, called the meeting to order at 10:00 a.m. MT on December 13, 2023. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

2. Review WECC Antitrust Policy

Mr. Jensen read aloud the WECC Antitrust Policy statement. The meeting agenda included a link to the posted policy.

3. Approve Agenda

Mr. Jensen introduced the proposed meeting agenda.

By consensus, the PCDS approved the agenda.

4. Review and Approve Previous Meeting Minutes

Due to a delay in quorum the minutes from the meeting on November 29 and December 6, 2023 will be approved during the next PCDS meeting.

5. Review Previous Action Items

Nicole Lee, Administrative Coordinator, reviewed action items carried over from the PCDS meeting on December 6, 2023. Action items that are not closed and will be carried forward can be found [here](#).

6. 2034 ADS Schedule Recap

Mr. Jensen gave an update on the 2034 Anchor Data Set (ADS) schedule. It will be posted on January 17 instead of January 15.

7. Wind and Solar Capacity Factor Review

Arkadeep Das, Reliability Modeling Engineer, Associate II, presented a wind and solar capacity factor review. The PCDS discussed the differences between the values of the last cycle and the newer values from Mr. Das's reprocessing of the data. Mr. Das will make modifications and will present more information on the wind and solar capacity factors during the next meeting.

Phase Shifter Discussion

Mr. Das led the phase shifter discussion. The PCDS decided not to make any changes to the phase shifter settings right now, but might look into it later after a full run of the 2034 Anchor Data Set (ADS) Production Cost Model (PCM).

The presentation is posted on the [WECC website](#).

8. Forced Outage Rates

Mr. Jensen presented the forced outage rates.

On a motion by Yi Zhang, the PCDS approved the method for developing the EFORD using PC-GAR as presented.

9. Wheeling Rates

Mr. Jensen presented the wheeling rates.

On a motion by Jamie Austin, the PCDS approved the wheeling rates as presented.

The presentation is posted on the [WECC website](#).

10. Prices and Costs

Mr. Jensen will present on inflator, deflator levels; using natural gas price, coal prices; uranium prices, other fuel prices during the next meeting.

11. BTM Storage Data—Hourly Shape or Resource

Behind-the-meter (BTM) storage data and hourly shape or resource will be discussed during the next meeting.

12. Keeping Track of GridView Issues

Keeping track of GridView issues will be reviewed during the next meeting.

13. Public Comment

No comments were made.

14. Review New Action Items

- Present differences on the wind and solar capacity factors
 - Assigned To: Arkadeep Das
 - Due Date: January 3, 2024



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15. Upcoming Meetings

January 3, 2024 Virtual

January 17, 2024 Virtual

January 31, 2024 Virtual

16. Adjourn

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



Exhibit A: Attendance List

Members in Attendance

Jamie Austin.....PacifiCorp
Eliana IbarraImperial Irrigation District
Jon Jensen.....WECC
Kimberly McClaffertyNorthWestern Energy
Effat Moussa.....San Diego Gas and Electric
Chifong ThomasThomas Grid Advisor
Yi Zhang.....California Independent System Operator

Members not in Attendance

Lee Alter..... Tucson Electric Power
Tyler Butikofer Energy Strategies
Renchang DaiPuget Sound Energy, Inc.
Jose Diaz..... Los Angeles Department of Water and Power
Jennifer GalawayPortland General Electric Company
Sylvia GardPuget Sound Energy, Inc.
Manuel Gomez..... El Paso Electric Company
Chris Hagman American Transmission Company
Kevin Harris Pacific Northwest National Laboratory
Fred Heutte..... NW Energy Coalition
Bill Hosie..... PSI Power System Innovation Corp.
Anders Johnson.....Bonneville Power Administration—Transmission
Chelsea LoomisWestern Power Pool
Akhil Mandadi..... Arizona Public Service Company
John D. Martinsen..... Public Utility District No. 1 of Snohomish County
Christopher McLean..... California Energy Commission
Nader Samaan..... Pacific Northwest National Laboratory
Dan Schaefer.....Salt River Project



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Jonathan Stahlhut TransCo Energy, LLC
Emily Tozier Salt River Project
Stan Williams Bonneville Power Administration—Transmission
Di Xiao Southern California Edison Company

Others in Attendance

Jose Castaneda Imperial Irrigation District
Arkadeep Das WECC
Richard Jensen California Energy Commission
Nicole Lee WECC
Matt Zapotocky WECC

