



Production Cost Data Subcommittee
Meeting Minutes
August 2, 2023
Virtual

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 August 2, 2023. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

2. Review WECC Antitrust Policy

Jon Jensen, Reliability Modeling Engineer, read aloud the WECC Antitrust Policy statement. The meeting agenda included a link to the posted policy.

3. Approve Agenda

Mr. Harris introduced the proposed meeting agenda.

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

4. Review and Approve Previous Meeting Minutes

The minutes from the meeting on July 12, 2023, and July 19, 2023, will be reviewed for approval during the next PCDS meeting.

5. Review Previous Action Items

Mr. Jensen, reviewed action items carried over from the PCDS meeting on July 19, 2023. Action items that are not closed and will be carried forward can be found [here](#).

6. 2032 ADS Issues

Mr. Harris presented the 2032 Anchor Data Set (ADS) issues related to heat rates, congestion, and natural gas price assignment by unit. Mr. Jensen will update the new Heat Rate information from Mr. Harris to the 2032 ADS. The extra plant IDs in the 2032 ADS case will be deleted, the Natural Gas assignments from Mr. Harris will be checked with CEC and there will be a review into why lines have congestion.



7. Loads Overview and Update

Mr. Jensen presented an overview and updates on loads. Mr. Jensen and Mr. Harris will review L&R loads together.

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

8. Phase Shifter Update

Mr. Jensen presented phase shifter updates. Mr. Jensen will analyze phase shifter operations and flow limits (angle limits) on the updated 2032 ADS PMC case by area and will compare to Jamie Austin and Ron's list of operations per year.

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

9. Follow-up Items from Last Week

Mr. Jensen provided a follow-up on the following items from the July 19, 2023, meeting:

- V1—energy efficiency;
- V1—electric vehicle loads;
- V1—electrification loads; and
- V1—transmission contingencies.

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

10. ADS Build Items—Jon Jensen

Mr. Jensen presented the ADS build items on:

- V1—BTM-PV distributed generation;
 - County level—New capacities and bus distribution with new topology,
 - Area level—New capacities; and
- V1_ BTM Storage.

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

11. Updates to Existing 2032 ADS

Mr. Jensen presented updates to the existing 2032 ADS.

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

12. Public Comment

No comments were made.



13. Review New Action Items

- Analyze phase shifter operations and flow limits (angle limits) on the updated 2032 ADS PMC case by area; also, compare to Jamie and Ron’s list of operations per year.
 - Assigned To: Jon Jensen
 - Due Date: August 16, 2023
- See what WECC has in terms of PS info. Operations per year, etc.
 - Assigned To: Jon Jensen
 - Due Date: August 16, 2023
- When we get new Heat Rate info from Kevin, put it into 2032 ADS.
 - Assigned To: Jon Jensen
 - Due Date: August 16, 2023
- Delete extra plant IDs in 2032 ADS case.
 - Assigned To: Jon Jensen
 - Due Date: August 16, 2023
- Check Natural Gas assignments from Kevin with CEC, out in 2032 ADS case.
 - Assigned To: Jon Jensen
 - Due Date: August 16, 2023
- Look into why lines have congestion, maybe incorrect ratings or incorrect location.
 - Assigned To: Jon Jensen
 - Due Date: August 16, 2023
- Look at loads with Kevin.
 - Assigned To: Jon Jensen
 - Due Date: August 16, 2023
- CEC data sum up data, AAEE, EE, EV, etc.
 - Assigned To: Jon Jensen
 - Due Date: August 16, 2023
- Get compload DG MW per bus and per region.
 - Assigned To: Jon Jensen
 - Due Date: August 16, 2023

14. Upcoming Meetings

August 16, 2023 Virtual

August 30, 2023 Virtual

September 13, 2023 Virtual



15. Adjourn

Mr. Harris adjourned the meeting without objection at 11:41 a.m.



Exhibit A: Attendance List

Members in Attendance

Kevin Harris Pacific Northwest National Laboratory
Eliana Ibarra Imperial Irrigation District
Jon Jensen..... WECC
Anders Johnson..... Bonneville Power Administration—Transmission
John Liang..... Public Utility District No. 1 of Snohomish County
Chelsea Loomis Western Power Pool
Kimberly McClafferty NorthWestern Energy
Effat Moussa..... San Diego Gas and Electric
Chifong Thomas Thomas Grid Advisor
Emily Tozier Salt River Project

Members not in Attendance

Jamie Austin PacifiCorp
Jose Diaz..... Los Angeles Department of Water and Power
Jonathon Flores Los Angeles Department of Water and Power
Monica Garcia El Paso Electric Company
Michael Granados..... Los Angeles Department of Water and Power
Harris Lee Salt River Project
Amy Li..... Southern California Edison Company
Peter Mackin..... GridBright, Inc.
Ahlmahz Negash Tacoma Power
Kenny Poon British Columbia Hydro and Power Authority
Daniel Ramirez..... Energy Strategies
Nader Samaan..... Pacific Northwest National Laboratory
Brian Thomas PowerGEM, LLC
Xiaobo Wang California Independent System Operator
Di Xiao..... Southern California Edison Company



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Others in Attendance [Only for technical committees]

Yi Zhang.....California Independent System Operator
Yogesh Bhandari.....Nextera Energy
Natalie Carter.....WECC
Arkadeep Das.....WECC
Vic Howell.....WECC
Jose CastanedaImperial Irrigation District
Ashton Davis.....WECC
Katie RogersWECC

