

1. Welcome, Call to Order

Jamie Austin, PacifiCorp, Production Cost Data Subcommittee (PCDS) Chair, called the meeting to order at 10:06 a.m. MT on October 12, 2022. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

2. Review WECC Antitrust Policy

Tyler Butikofer, System Adequacy Engineer, read aloud the WECC Antitrust Policy statement. The meeting agenda included a link to the posted policy.

3. Approve Agenda

Ms. Austin introduced the proposed meeting agenda.

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

4. Review and Approve Previous Meeting Minutes

Approval for the minutes of the meetings on August 24, 2022, September 7, 2022, and September 14, 2022, have been postponed until the next meeting.

5. Review Previous Action Items

The PCDS did not review action items carried over from the meeting on September 28, 2022. Action items that are not closed and will be carried forward can be found [here](#).

6. Process Moving Forward

Jon Jensen, System Adequacy Engineer, gave an update on the actions moving forward for the Data Development and Validation Model (DDVM). Version 1 of the DDVM is going to be posted on WECC.org in the Anchor Data Set (ADS) accordion in the next couple of weeks. Mr. Jensen reviewed the ADS Post Release Issue Operations List. The committee expressed concern with having a possible rating increase change that is not an approved path rating for ADS. Mr. Jensen confirmed that the change case will not be part of the ADS, and use of the change case is optional. The change case will have a document stating that it has not been approved.

7. Assessment of the 2032 ADS PCM, V2.1

Mr. Butikofer presented the High Locational Marginal Price (LMP) Investigation and discussed lowering the El Paso Electric (EPE) balance for the nomogram penalty from \$1,000 to \$20. The PCDS expressed concern about having consistency with each nomogram penalty and discussed changing the penalty amount for both nomogram penalties. The PCDS will need to check in with EPE to identify whether there is a problem with the loads and resources (L&R).

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

Kevin Harris, Pacific Northwest National Laboratory (PNNL), presented on investigating generator dispatch by technology. The PCDS discussed creating a schedule to discuss issues with the technology and creating a schedule to review discrepancies with the data before version 2.2 is released. An analysis of the generic heat rate calculation will be done for California and the Northwest. Concern was expressed about the need to adjust operating and flex reserves. There is a need for dynamic data (DYD). It will be beneficial to work together to find the data for phase shifter operations.

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

Ms. Austin presented plant capacity factors. Plant owners will need to help answer questions about plant capacity factors to make the data set more complete. The PCDS will need to improve on addressing plants with low-capacity factors. In addition, the PCDS many need to revisit the rule about using power flow (PF) capacity if the difference is greater than 5% or 25 MW and ignore the difference less than or equal to 1 MW. The PCDS discussed the importance of being consistent with the ruling and the need for having consistency in the data set.

8. Public Comment

No comments were offered.

9. Review New Action Items

- Post ADS Post-Release Issues Observations list to the PCDS site under Action Items and on the ADS site under 2032 ADS Deliverables.
 - Assigned To: Tyler Butikofer, Jon Jensen
 - Due Date: October 26, 2022
- Follow up with Louis Vigil to see whether changing the EPE balance nomogram fee penalty to \$20 instead of \$1,000 effects El Paso Electric and whether there is an L&R balance issue.
 - Assigned To: Tyler Butikofer
 - Due Date: October 26, 2022
- Follow up on low-capacity-factor wind in California and elsewhere.



- Assigned To: Yi Zhang
- Due Date: October 26, 2022
- Investigate guidance on the operation of phase shifter.
 - Assigned To: Jamie Austin, Steve Wallace
 - Due Date: October 26, 2022

10. Upcoming Meetings

October 26, 2022.....Virtual
November 02, 2022Virtual
November 09, 2022 Virtual

11. Adjourn

Jamie Austin adjourned the meeting without objection at 12:04 p.m.



Exhibit A: Attendance List

Members in Attendance

Jamie Austin PacifiCorp
Kevin Harris Pacific Northwest National Laboratory
Chelsea Loomis Western Power Pool (formerly Northwest Power Pool Corporation)
Hank McIntosh San Diego Gas and Electric
Effat Moussa San Diego Gas and Electric
Chifong Thomas Thomas Grid Advisor
Steven Wallace Comprehensive Power Solutions, LLC
Yi Zhang California Independent System Operator

Members not in Attendance

Lee Alter Tucson Electric Power
Hazel Aragon California Energy Commission
Jose Diaz Los Angeles Department of Water and Power
Christopher Fecke-Stoudt Arizona Public Service Company
Jonathon Flores Los Angeles Department of Water and Power
Monica Garcia El Paso Electric Company
Manuel Gomez El Paso Electric Company
Michael Granados Los Angeles Department of Water and Power
Chris Hagman American Transmission Company
Bill Hosie PSI Power System Innovation Corp.
Eliana Ibarra Imperial Irrigation District
Tito Inga-Rojas British Columbia Hydro and Power Authority
Anders Johnson Bonneville Power Administration—Transmission
Harris Lee Salt River Project
Amy Li Southern California Edison Company
John Liang Public Utility District No. 1 of Snohomish County
Peter Mackin GridBright, Inc.



Akhil Mandadi..... Arizona Public Service Company
John D. Martinsen..... Public Utility District No. 1 of Snohomish County
Kimberly McClaffertyNorthWestern Energy
Ahlmahz Negash Tacoma Power
Daniel Ramirez..... Energy Strategies
Matthew StajcarNorthWestern Energy
Sirisha TanneeruPublic Service Company of Colorado (Xcel Energy)
Emily TozierSalt River Project
Xiaobo WangCalifornia Independent System Operator
Stan WilliamsBonneville Power Administration—Transmission
Di Xiao..... Southern California Edison Company

Others in Attendance [Only for technical committees]

Das Arkaddp.....WECC
Daja BellWECC
Tyler ButikoferWECC
Jon Jensen.....WECC
Richard Jensen..... California Energy Commission
Tohid Khalili.....Public Service Company of New Mexico
Katie RogersWECC
Alyssa Tavares California Energy Commission
Louis Vigil..... El Paso Electric Company
Nathalie Voisen..... Pacific Northwest National Laboratory
Byron WoertzWECC

