

## **1. Welcome, Call to Order**

Jon Jensen, Senior Reliability Modeling Engineer, Production Cost Data Subcommittee (PCDS) Liaison, called the meeting to order at 10:02 a.m. MT on November 6, 2024. 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.

**On a motion by Jennifer Galaway, the PCDS approved the agenda.**

## **4. Review and Approve Previous Meeting Minutes**

Mr. Jensen introduced the minutes from the meeting on October 23, 2024.

**On a motion by Chifong Thomas, the PCDS approved the minutes from October 23, 2024.**

## **5. Review Previous Action Items**

Mr. Jensen reviewed action items carried over from the PCDS meeting on October 23. Action items that are not closed can be found on the WECC website.

## **6. Announcements**

During the announcements, Mr. Jensen presented an update on the Action Items. The PCDS also discussed whether to keep the generators in the Monthly hydro table, even though GridView defaults to the weekly hydro table, or to keep them in if someone wants to default to monthly data. It was suggested to keep them both and point out that the weekly data is the default. WECC is going to ask Hitachi about putting in a default switch so the user can select whether they would like weekly or monthly hydro data to be the default for their simulations. He brought up the need for holding weekly meetings until the next Anchor Data Set (ADS) change case has been run and posted. They will decide at the next meeting. The WECC ADS page has now been updated with

the ADS PCM cases posted, so people no longer need to go to the PCDS Team site to access them. The presentation is available on the WECC website.

## 7. 2034 ADS PCM V2 Follow-up

Anuj Patil, Senior Reliability Modeling Engineer, followed up on the 2034 ADS PCM V2. He presented case comparison for GridView 10.3.62, 10.3.79 no barrier method solver, and 10.3.79 with barrier method solver. All the cases were simulated with Tier 3 resources turned off, MIO enabled, and Look Ahead enabled, and Distributed run in six sections. The annual energy by category chart showed very little difference in the three runs, which was expected. The situation was the same for the annual energy by subregion: no real change. Something to note is that the GridView 10.3.62 and 10.3.79 barrier cases were identical except the Conventional Hydro in the Basin Subregion. These two cases were identical with the Annual Dump generation by state and type, while the 10.3.79 non-barrier method showed slight differences. No unserved load was seen in any of the cases, and the transmission congestion hours were very close. For interfaces P27, P65, and P66 chart there is not much difference between the two 10.3.79 cases and a slight difference in the 10.3.62 case. The 10.3.79 non-barrier had twice the amount of run time compared to the other two. The presentation is available on the WECC website.

## 8. Branch Monitoring

The PCDS discussed the branch monitoring and the criteria for monitoring region to region and area to area branches. It was suggested to set line and transformer monitoring criteria to 200 kV and above.

## 9. Ancillary Services and High LMPs

Mr. Jensen gave an update on the ancillary services and high LMP. WECC ran a comparison with them turned off, and the LMPs went down during peak hours—the LMPs do not seem to be peaking in the middle of the night. More comparisons will be run after more edits are implemented.

## 10. Keeping Track of GridView Issues

There were no GridView issues discussed.

## 11. Public Comment

Mr. Jensen informed the PCDS that WECC has posted the lastest case with all the change case applied to it on the PCDS Teams site, it is titled “2034\_ADS\_PCM\_V2(2024LnR)\_V2.0\_LivingCase\_10-16b.” It was also brought up that that members can only download the files one at a time from the PCDS Teams site, this issue is in the new Action Items section.



## 12. Review New Action Items

- Send calculations for CO2 and CEC forecast to Yi.
  - Assigned To: WECC
  - Due Date: November 20, 2024
- Check with IT about the team site downloading more than one file at a time.
  - Assigned To: WECC
  - Due Date: November 20, 2024
- Talk to Hitachi about a toggle switch within GridView to default to either monthly or weekly Hydro data.
  - Assigned To: WECC
  - Due Date: November 20, 2024
- Confirm the CO2 groups with Hitachi, state vs. system
  - Assigned To: WECC
  - Due Date: November 20, 2024
- Ask Hitachi if they recommend GridView version 10.3080 or 10.3.81.
  - Assigned To: WECC
  - Due Date: November 20, 2024

## 13. Upcoming Meetings

November 20, 2024 ..... Virtual  
December 4, 2024 ..... Virtual  
December 18, 2024 ..... Virtual

## 14. Adjourn

Mr. Harris adjourned the meeting without objection at 11:30 a.m.



## Exhibit A: Attendance List

### Members in Attendance

Stephen Benschluch ..... Accelergen Energy  
Renchang Dai ..... Puget Sound Energy, Inc.  
Lance Felleson ..... PacifiCorp  
Jennifer Galaway ..... Portland General Electric Company  
Sylvia Gard ..... Puget Sound Energy, Inc.  
Kevin Harris ..... Pacific Northwest National Laboratory  
Jon Jensen ..... WECC  
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  
Jose Diaz ..... Los Angeles Department of Water and Power  
Michael Granados ..... Los Angeles Department of Water and Power  
Martin Green ..... Pattern Energy Group LP  
Richard Jensen ..... California Energy Commission  
Anders Johnson ..... Bonneville Power Administration—Transmission  
Chelsea Loomis ..... Western Power Pool  
Kimberly McClafferty ..... NorthWestern Energy  
Effat Moussa ..... San Diego Gas and Electric  
Eliana Orta ..... Imperial Irrigation District  
Nader Samaan ..... Pacific Northwest National Laboratory  
Bharat Vyakaranam ..... Pacific Northwest National Laboratory  
Stan Williams ..... Bonneville Power Administration—Transmission  
Di Xiao ..... Southern California Edison Company



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### Others in Attendance [Only for technical committees]

Joey Jones.....WECC  
David Meyer.....  
Anuj Patil .....WECC  
Matt Zapotocky.....WECC

