

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

Jamie Austin, Production Cost Data Subcommittee (PCDS) Chair, called the meeting to order at 10:03 a.m. MT on September 14, 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 Chelsea Loomis, the PCDS approved the agenda.**

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

The previous meeting minutes will be approved during a future meeting.

## **5. Export Hour of PF Case**

Nick Hatton, System Stability Engineer, presented a summary of the export hour of power flow (PF) case from the Anchor Power Flow Work Group (APFWG) discussion. There were generators that were in the 2032 reference PF case that were not mapped to generators in the L&R submittal and not in the 2032 ADS PCM case. The decision was made to remove the unused generators but leave the supporting topology. The reference case resources should be consistent with the resources in the WECC Loads and Resources (L&R) submissions. The voltage profile that did not require the generators existence will be replaced with L&R generation. The PCDS recommended publishing the list of generators removed for future reference.

Bharat Vyakaranam, Pacific Northwest National Laboratory (PNNL), led the discussion on creating a voltage profile for the exported hour run. The exported hour PF will also have dynamic data. The PCDS discussed the export hour timeline. A solved case is expected to be complete by the end of the week.

## 6. Review Existing Action Items

Nicole Lee, Administrative Services, reviewed action items carried over from the PCDS meeting on September 7, 2022. Action items that are not closed and will be carried forward can be found [here](#).

## 7. Resource changes in PSCO

Mr. Butikofer presented the Comisión Federal de Electricidad (CFE) recommended use of capacities from the PF. The retirement dates for Public Service Company of Colorado (PSCO) were extended to provide more capacity. There were also three gas turbine additions added to PSCO. The PCDS discussed posting 2032 ADS V2.1 that includes the changes.

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

## 8. Process Moving Forward

Jon Jensen, System Adequacy Engineer, led the discussion on the ADS process moving forward. The draft Data Development and Validation Manual (DDVM) will be available for review at the end of the week.

## 9. Public Comment

A reminder was made to attend the ADS Lessons Learned October 5, 2022, in person only.

## 10. Review New Action Items

- Hold offline meeting to discuss holding the October 5, 2022, ADS Lessons Learned meeting in hybrid format.
  - Assigned To: Steven Wallace and Chelsea Loomis
  - Due Date: September 21, 2022
- Hold offline meeting to discuss how to modify the Pmax and CFE resources.
  - Assigned To: Kevin Harris and Tyler Butikofer
  - Due Date: September 21, 2022

## 11. Upcoming Meetings

September 21, 2022 .....Virtual

September 28, 2022 .....Virtual

October 5, 2022 .....Virtual

## 12. Adjourn

Ms. Austin adjourned the meeting without objection at 10:26 a.m.



## Exhibit A: Attendance List

### Members in Attendance

Jamie Austin.....PacifiCorp  
 Kevin Harris..... Pacific Northwest National Laboratory  
 John Liang..... Public Utility District No. 1 of Snohomish County  
 Chelsea Loomis.....Western Power Pool (formerly Northwest Power Pool Corporation)  
 Effat Moussa..... San Diego Gas and Electric  
 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  
 Peter Mackin..... GridBright, Inc.  
 Akhil Mandadi..... Arizona Public Service Company  
 John D. Martinsen..... Public Utility District No. 1 of Snohomish County



Kimberly McClafferty .....NorthWestern Energy  
Hank McIntosh ..... San Diego Gas and Electric  
Ahlmahz Negash ..... Tacoma Power  
Daniel Ramirez..... Energy Strategies  
Matthew Stajcar .....NorthWestern Energy  
Sirisha Tanneeru .....Public Service Company of Colorado (Xcel Energy)  
Chifong Thomas ..... Thomas Grid Advisor  
Emily Tozier .....Salt River Project  
Xiaobo Wang .....California Independent System Operator  
Stan Williams .....Bonneville Power Administration—Transmission  
Di Xiao..... Southern California Edison Company

**Others in Attendance**

Tyler Butikofer .....WECC  
Bharat Byakaranam ..... Pacific Northwest National Laboratory  
Arkadeep Das.....WECC  
Nick Hatton .....WECC  
Jon Jensen.....WECC  
Richard Jensen..... California Energy Commission  
Luba Kravchuk.....California Independent System Operator  
Nicole Lee .....WECC  
Marie Smith .....WECC  
Alyssa Tavares ..... California Energy Commission  
Louis Vigil..... El Paso Electric Company  
Byron Woertz .....WECC

