

# Production Cost Data Subcommittee Meeting Minutes July 20, 2022

Virtual

#### 1. Welcome, Call to Order

Jamie Austin, Production Cost Data Subcommittee (PCDS) Chair, called the meeting to order at 9:05 a.m. MT on July 20, 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

The minutes will be approved during a future meeting.

# 5. High level summary

Ms. Austin presented a high-level summary of the 2032 Anchor Data Set (ADS). There was an offline discussion about the hydro validation. Key issues were identified including missing plants and differences between the monthly to daily and weekly to daily. The Northwest historic uploads do not match the model. The PCDS discussed that British Columbia Hydro (BCHA) does not provide data anymore and that might be causing issues. There were unserved loads, area generation versus loads loss, paths and branches that are congested many hours of the year The issues need to be corrected and validated.

The presentation is posted to the WECC website.

# 6. Review Latest Load Forecast, peak and energy

Mr. Butikofer presented a review of the load forecast for peak and energy. There are discrepancies with load factors compared to historic for Idaho Power Company (IPCO), Los Angeles Department of Water and Power (LDWP). LDWP has not provided a reason for the shapes. To correct the load factors and to capture the shapes, the Southern California Edison



behind-the-meter (BTM) peak contribution data will be used for LDWP. The PCDS discussed the load discrepancies and the importance of correcting the issues identified.

On a motion by Yi Zhang, the PCDS approved to use the 2032 hourly load profiles developed using the Loads and Resources (L&R) monthly peak and energy and historic 2018 shape with the exception that LDWP may be modified with recent findings.

The presentation is posted to the WECC website.

# 7. Comparison of BAA level Generators by technology, L&R versus 2032 ADS

Mr. Butikofer presented the capacity differences between the L&R and the 2032 ADS. The L&R is lower than what is in the Production Cost Model (PCM). The overall capacity when comparing the L&R is higher. Hydro is showing discrepancies. The issues identified will need to be researched and will be discussed offline.

The presentation is posted to the WECC website.

#### 8. Addressing BC Hydro Data Issues

Mr. Butikofer presented the British Columbia (BC) hydro data. The PCDS discussed the discrepancies. Concern was expressed about being consistent with the historic flows and the importance of capturing the power flow in and out of the West. The load forecast is higher than the previous load forecast and could be causing an issue. It was recommended to use the data submitted by BC seven years ago. The previous BC hydro data from the spreadsheet in the dataset will be added to see if it resolves discrepancies.

On a motion by Kevin Harris, the PCDS approved modeling BC Hydro with 75% proportional load following (PLF) Allocation for major projects: Gordon Shrum, Mica, Revelstoke and 100% PLF Allocation for all other projects.

The presentation is posted to the WECC website.

# 9. Consider approval of the 2032 ADS PCM as version 1.0

The approval of the 2032 ADS PCM version 1.0 will be postponed until a future meeting due to the minimum five-day posting requirement.

#### 10. Public Comment

No comments were offered.



#### 11. Review New Action Items

- Present hydro validation and BPA weekly to daily operating.
  - o Assigned To: Jon Jensen and Tyler Butikofer
  - o Due Date: July 27, 2022
- Research possible bus overloads.
  - o Assigned To: Chelsea Loomis and Tyler Butikofer
  - o Due Date: July 27, 2022
- Post the BC hydro that hasn't matched in the last seven years.
  - o Assigned To: Tyler Butikofer
  - o Due Date: July 27, 2022
- Resolve capacity differences with an offline meeting.
  - o Assigned To: Tyler Butikofer
  - o Due Date: July 24, 2022
- Hold an offline meeting to discuss LDWP's load factors.
  - o Assigned To: Yi Zhang and Tyler Butikofer
  - o Due Date: July 27, 2022

#### 12. Upcoming Meetings

July 27, 2022	Virtual
August 3, 2022	Virtual
August 10, 2022	Virtual

# 13. Adjourn

Ms. Austin adjourned the meeting without objection at 10:48 a.m.



# **Exhibit A: Attendance List**

#### **Members in Attendance**

Jamie Austin	PacifiCorp
Kevin Harris	
John Liang	Public Utility District No. 1 of Snohomish County
Chelsea Loomis	Western Power Pool
Effat Moussa	
Chifong Thomas	Thomas Grid Advisor
Steven Wallace	
Yi Zhang	California Independent System Operator
Members not in Attendance	
Lee Alter	
Hazel Aragon	
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	
Bill Hosie	
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	
Akhil Mandadi	
John D. Martinsen	Public Utility District No. 1 of Snohomish County



Kimberly McClafferty	
Hank McIntosh	San Diego Gas and Electric
Ahlmahz Negash	
Daniel Ramirez	Energy Strategies
Matthew Stajcar	
Sirisha Tanneeru	Public Service Company of Colorado (Xcel Energy)
Emily Tozier	
Xiaobo Wang	
Stan Williams	Bonneville Power Administration—Transmission
Di Xiao	Southern California Edison Company
Others in Attendance	
Tyler Butikofer	WECC
Stan Holland	WECC
Richard Jensen	
Bhavana Katyal	WECC
BK Ketineni	WECC
Lyubov Kravchuk	
Aaron Ramsdell	Basin Electric Power Cooperative
Louis Vigil	El Paso Electric Company
Byron Woertz	WECC
Jin Zhu	

