

1. Welcome, Call to Order

Jeffrey Anderson, System Review Subcommittee (SRS) Chair, called the meeting to order at 10:03 a.m. MT on June 13, 2024. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

2. Review WECC Antitrust Policy

Logan Affleck, Associate Engineer II, read aloud the WECC Antitrust Policy statement. The meeting agenda included a link to the posted policy.

3. Approve Agenda

Mr. Anderson introduced the proposed meeting agenda.

On a motion by Slaven Kincic, the SRS approved the agenda.

4. Review and Approve Previous Meeting Minutes

Mr. Anderson introduced the minutes from the meeting on April 11, 2024.

On a motion by Jerod Vandehey, the SRS approved the minutes from April 11, 2024.

5. Review Previous Action Items

Serena Stiehl, Administrative Coordinator, reviewed action items carried over from the SRS meeting on April 11, 2024. Action items that are not closed and will be carried forward can be found [here](#).

On a motion by Logan Affleck, the SRS closed the action item “Submit DPM change request to add seasonal definitions”.

6. Hydro Generation Modeling Gaps

Slaven Kincic, Pacific Northwest National Laboratory (PNNL), presented on hydro generation modeling gaps in the West and their potential reliability impacts. A case study was conducted using the 2022 Light Spring base case and four scenarios were simulated: Base Case, Only Wind Curtailment, Only Hydro Update, and Wind Curtailment plus Hydro Update.

7. 2025 Base Case Compilation Schedule Dates

Mr. Affleck presented the 2025 Base Case Compilation Schedule (BCCS) dates for approval. There was a question regarding the number of late cases in the last year and whether that is something worth noting in the 2025 BCCS. WECC is working to fill vacant positions and anticipates fewer delays in base case work once those roles are filled.

On a motion by Karen Reedy, the SRS approved the 2025 BCCS Dates

8. 2025 Specialized Cases

Mr. Affleck presented options for specialized base cases in 2025, including:

- Annual Survey_Form_PGE_Heavy Summer S to N COI
- Annual Survey_Form_PACW
- Annual Survey_Form - OSS

The SRS was asked to approve two of the three options proposed. The subcommittee discussed the proposed approvals, including that the Light Spring cases are similar and that the SRS should approve one of the two. Mr. Affleck asked for the following amendments:

The 2025 SRS Annual Survey_Form_PACW was amended as follows:

- “Expected afternoon peak load” was changed to “Expected load”
- The sentence “Batteries are expected to be charging during this time” was added.

By consensus, the SRS approved the Annual Survey_Form_PGE_Heavy Summer S to N COI

By a majority vote, the SRS approved the Annual Survey_Form_PACW, as amended.

9. Data Preparation Manual Change Request for 12 Ratings

Nick Hatton, Staff Engineer, presented the Data Preparation Manual (DPM) Change Request that would support 12 ratings versus 8 ratings for branches and transformers. The SRS discussed the proposed approval item for the DPM Change Request, including the potential impacts of FERC Order 881, the impact on Remedial Action Schemes (RAS), and concerns with the timing and effectiveness of the changes. Due to dissenting views from the members, Mr. Anderson pulled the approval item for a vote. The SRS will continue to look at the ratings and discuss in future meetings.

10. Public Comment

There was a question about when the 2030 Heavy Winter case will come out for review. It is the hope that the base case will be out by the end of next week.



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It was reported that a new version of the GE Positive Sequence Load Flow (PSLF) software is estimated to be released in two weeks and should resolve some of the dynamics issues with high-voltage DC converters.

11. Review New Action Items

There were no new action items created during this meeting.

12. Upcoming Meetings

August 8, 2024..... Virtual

October 10, 2024..... Virtual

December 12, 2024..... Virtual

13. Adjourn

Mr. Anderson adjourned the meeting without objection at 12:34 p.m.



Exhibit A: Attendance List

Members in Attendance

Logan Affleck.....WECC

Jeffrey Anderson.....Western Area Power Administration

Jessica BenitezLos Angeles Department of Water and Power

Jess Boatwright.....NorthWestern Energy

Benjamin BorowiakArizona Electric Power Cooperative, Inc. (Arizona G&T Cooperatives)

Christopher BremPortland General Electric Company

Daniel Cervantes.....Los Angeles Department of Water and Power

Lakmal Chandrasekara.....Turlock Irrigation District

Jyotsna ChatratiNV Energy

Manuelito ChiefTucson Electric Power

Marco Ciofani.....Alberta Electric System Operator

Jackson DalyIdaho Power Company

Tuan DangPublic Utility District No. 1 of Snohomish County

Lance Felleson.....PacifiCorp

Stefano FigueroaTucson Electric Power

Linnea GentryIdaho Power Company

Talal HannaSan Diego Gas and Electric

Jeff HansonColorado Springs Utilities

Ben HutchinsWestern Power Pool

Jordan KeomanivanhPortland General Electric Company

Seongtae KimPacifiCorp

Slaven KincicPacific Northwest National Laboratory

Ronnie Lau.....Pacific Gas and Electric Company

Kalin LeeBonneville Power Administration

Richard MaguireElectrical Consultants, Inc.

Mark MallardNorthWestern Energy



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Nima Miri Seattle City Light
Emily Moore..... Puget Sound Energy, Inc.
Linda Pope..... Western Area Power Administration - Rocky Mountain Region
Ryan Price Sacramento Municipal Utility District
Matthew Reali TransCo Energy, LLC
Karen Reedy Public Service Company of New Mexico
Xavier Sosa Southern California Edison Company
Ailin Sun Southern California Edison Company
Muhammad Tayyab..... Western Area Power Administration
Khanh Thai Tacoma Power
Chifong Thomas Thomas Grid Advisor
Rick Torres..... Imperial Irrigation District
Jerod Vandehey..... Public Utility District No. 1 of Cowlitz County
GuiHua Wang British Columbia Hydro and Power Authority
Trevor Werho Arizona Public Service Company
Scott Wilson..... Avista Corporation

Members not in Attendance

Ernest Ansu-Gyeabour Western Area Power Administration
Ian Beil..... Portland General Electric Company
Nitin Bhavsar Pacific Gas and Electric Company
Lindsay Briggs Black Hills Corporation
Ron Calvert..... Utility System Efficiencies, Inc.
Frank Chen California Independent System Operator
Gene Duran Public Service Company of Colorado (Xcel Energy)
Darold Green..... PacifiCorp
Jessica Harris North American Electric Reliability Corporation
Vera Hart California Independent System Operator
Karli Hicks Salt River Project



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Moises Inda Centro Nacional de Control de Energia
Daniel Johnson, Jr. Black Hills Corporation
Lesley Kayser-Sprouse..... Hetch Hetchy Water and Power
James Keller Western Area Power Administration - Rocky Mountain Region
Pranav Kishore..... Burns & McDonnell (1898 and Co.)
Joshua Kitterman Tucson Electric Power
Christopher Lamb..... Public Utility District No. 1 of Chelan County
May Le..... Public Utility District No. 2 of Grant County
Chelsea Loomis Western Power Pool
Peter Mackin..... GridBright, Inc.
Valeriy Jr. Oleshko..... Western Area Power Administration
Emily Parry Public Utility District No. 1 of Snohomish County
Patrick Perry Idaho Power Company
Mark Pigman..... Tacoma Power
Kenny Poon British Columbia Hydro and Power Authority
Daniel Ramirez..... Energy Strategies
Shengnan Shao..... Pacific Gas and Electric Company
Patrick Truong Sacramento Municipal Utility District
Matt Twardy..... Public Service Company of Colorado (Xcel Energy)
Joanna Yang..... Puget Sound Energy, Inc.
Jimmy Zhang..... Alberta Electric System Operator

Others in Attendance [Only for technical committees]

Theo Brown Southwest Power Pool
Jared Campbell..... Electrical Consultants, Inc.
James Cronen GE Vernova (GE Energy Consulting Group)
Al Francis De Vera..... NV Energy
Donna Enriquez El Paso Electric Company
Kathy Estrada..... GDS Associates, Inc.



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Roberto Favela El Paso Electric Company
Jonathon Flores Los Angeles Department of Water and Power
Jim Hadley BHE Renewables, LLC
Mensur Haskovic..... Western Area Power Administration
Nick Hatton WECC
Dustin Herrick Portland General Electric Company
Robert Jackson..... Burns & McDonnell (1898 and Co.)
Mike Johnson..... EarthLink
Ivana Kezic San Diego Gas and Electric
Milan Lad..... Los Angeles Department of Water and Power
Hyun Joo Lee..... PacifiCorp
Cole Mares Salt River Project
Cesar Martinez..... Gridforce Energy Management, LLC
Zach McLaughlin..... Bonneville Power Administration
C.D Mclean California Energy Commission
Patrick Montplaisir Western Area Power Administration
Catalina Nunez Centro Nacional de Control de Energia
Ben Rodriguez..... El Paso Electric Company
Ricardo Rodriguez..... El Paso Electric Company
Jia Wei Ruan Los Angeles Department of Water and Power
Serena Stiehl WECC
Angela Tanghetti California Energy Commission
Pha Thao PacifiCorp
Francisco Trigueros Metropolitan Water District of Southern California
Summer Trudell..... Energy Exemplar, LLC
Jim Whitaker Public Service Company of Colorado (Xcel Energy)
Armando Yanez Peralta..... Salt River Project
Mary Ziegler..... Los Angeles Department of Water and Power



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Zach Zornes..... Public Utility District No. 1 of Chelan County

