

**Day 1—August 15, 2023**  
**1:00 p.m. to 5:00 p.m.**

**1. Welcome, Call to Order**

Tracy Rolstad, System Review Subcommittee (SRS) Co-chair, called the meeting to order at 1:01 p.m. MT on August 15, 2023. 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, read aloud the WECC Antitrust Policy statement. The meeting agenda included a link to the posted policy.

**3. Approve Agenda**

Mr. Rolstad introduced the proposed meeting agenda.

**On a motion by Alexander Stewart, the SRS approved the agenda.**

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

Mr. Rolstad introduced the minutes from the meeting on June 8, 2023.

**On a motion by Lesley Keyser-Sprouse, the SRS approved the minutes from June 8, 2023.**

**5. Review Previous Action Items**

Daja Bell, Administrative Coordinator, reviewed action items carried over from the SRS meeting on June 8, 2023. Action items that are not closed and will be carried forward can be found [here](#). Mr. Rolstad will schedule a meeting for FERC Order 896.

**6. RAS Process Improvements**

Nick Hatton, Staff Engineer, provided an overview on the process for Remedial Action Scheme (RAS) testing and base case building and improvements that can be made for both processes. Mr. Rolstad will discuss RAS data with the Reliability Risk Committee (RRC) and the Reliability Assessment Committee (RAC) leadership and will work with WECC staff to coordinate a training on RAS data.

## SRS Meeting Minutes—August 15–16, 2023

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

### 7. Approve 2024 Data Preparation Manual

The SRS voted on the approval of the 2024 Data Preparation Manual (DPM), the DPM Change Request—Fixed Shunts, and the DPM Change Request—SVD. Logan Affleck will assemble a Power Point presentation with details and links explaining changes between the 2023 and 2024 DPMs.

On a motion by Karen Reedy, the SRS approved the [2024 Data Preparation Manual](#).

On a motion by Logan Affleck, the SRS approved the [DPM Change Request-Fixed Shunts](#).

On a motion by Lance Felleeson, the SRS approved the [DPM Change Request-SVD](#).

### 8. Approve 2024 Base Case Compilation Schedule

The SRS voted on the 2024 Base Case Compilation Schedule, the WestConnect Survey, and the Modified NERC Case Request. The Tucson Electric Power Case Request was not voted on.

On a motion by Mark Mallard, the SRS approved the [2024 Base Case Compilation Schedule](#).

On a motion by Mark Mallard, the SRS approved the [WestConnect Survey](#).

On a motion by Mark Mallard, the SRS approved the modified [NERC Case Request](#).

### 9. Including Transmission Projects in Base Cases

Enoch Davies, Reliability Modeling Manager, discussed transmission projects within the WECC base cases and requested guidance from the subcommittee on when the projects should be included. Alex Stewart, Bonneville Power Administration; Richard Maguire, and Mr. Davies will develop a criterion for inclusion of projects into base cases. Mr. Rolstad and WECC staff will work to create opportunities for SRS members to give feedback on criteria for project inclusion in base cases.

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

### 10. Repc\_b Best Practices

Karen Reedy, Public Service Company of New Mexico, discussed best practices and control settings when using Repc\_b models with the subcommittee. Mr. Davies and Mr. Rolstad will work to modify the SRS Charter to expand discussions on issues with case models.

**Day 2—August 16, 2023**

**9:00 a.m. to 12:00 a.m.**



## **11. Adding Frequency Response Monitoring to Base Cases**

Dmitry Kosterev, Bonneville Power Administration, gave an overview on adding frequency response monitoring to base cases.

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

## **12. Collecting Contingency Information**

Evan Paull, Staff Engineer, gave an overview on an upcoming data request for collecting contingency information.

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

## **13. Typical Flows and Operating Conditions**

The SRS discussed stakeholder-identified risks for operating cases in which heavy winter and heavy summer cases are showing south-to-north flow on the California-Oregon Intertie (COI) and the Pacific DC Intertie (PDCI). Mr. Stewart, Mr. Rolstad, and Kalin Lee, Bonneville Power Administration, will research steps needed to change flow direction on COI and PDCI in heavy summer cases.

## **14. Late Data Log Update**

Mr. Affleck gave an update on the late data log.

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

## **15. Base Case 101**

Mr. Affleck gave an overview of WECC's base case building process and some of the information that can be found within the base cases and on the SRS page.

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

## **16. Public Comment**

There is preliminary reporting in Maui, Hawaii, of widespread outages.

## **17. Review New Action Items**

- Schedule a meeting for FERC Order 896.
  - Assigned To: Tracy Rolstad, WECC staff
  - Due Date: January 01, 2024
- Discuss RAS data with RRC and RAC leadership.
  - Assigned To: Tracy Rolstad, WECC staff



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- Due Date: January 01, 2024
- Set up training on RAS data.
  - Assigned To: Tracy Rolstad, WECC staff
  - Due Date: January 01, 2024
- Create a presentation with links to each presentation on DPM Change Request.
  - Assigned To: Logan Affleck
  - Due Date: October 12, 2023
- Develop a Criteria for inclusion of projects into base cases. Create opportunities for SRS members to give feedback on criteria for project inclusion in base cases.
  - Assigned To: Enoch Davies, Alex Stewart, Richard Maguire
  - Due Date: January 01, 2024
- Modify the SRS Charter to expand discussions on issues with case models.
  - Assigned To: Enoch Davies, Tracy Rolstad
  - Due Date: January 01, 2024
- Explore reporting something like Evan Paull’s presentation with the operation cases after running the standard disturbances.
  - Assigned To: Tracy Rolstad, Enoch Davies, Logan Affleck
  - Due Date: January 01, 2024
- Research steps needed to change flow direction on COI and PDCI in heavy summer cases, and to answer whether two summer cases with opposite flows are necessary.
  - Assigned To: Tracy Rolstad, Alex Stewart/Kalin Lee
  - Due Date: January 01, 2024

### 18. Upcoming Meetings

October 12, 2023..... Virtual

December 14, 2023 ..... Virtual

### 19. Adjourn

Mr. Rolstad adjourned the meeting without objection at 12:09 p.m.



## SRS Meeting Minutes—August 15–16, 2023

### Exhibit A: Attendance List

#### Members in Attendance

Logan Affleck.....WECC

Jeffrey Anderson.....Western Area Power Administration

Jess Boatwright.....NorthWestern Energy

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

Lakmal Chandrasekara.....Turlock Irrigation District

Jyotsna Chatrati .....NV Energy

Frank Chen .....California Independent System Operator

Manuelito Chief .....Tucson Electric Power

Marco Ciofani.....Alberta Electric System Operator

Tuan Dang .....Public Utility District No. 1 of Snohomish County

Gene Duran .....Public Service Company of Colorado (Xcel Energy)

Lance Felleson.....PacifiCorp

Linnea Gentry .....Idaho Power Company

Jeff Hanson .....Colorado Springs Utilities

Vera Hart .....California Independent System Operator

Ben Hutchins .....Western Power Pool

Daniel Johnson Jr. ....Black Hills Corporation

Lesley Kayser-Sprouse.....Hetch Hetchy Water and Power

Slaven Kincic .....Pacific Northwest National Laboratory

Pranav Kishore.....Burns & McDonnell (1898 and Co.)

Joshua Kitterman .....Tucson Electric Power

Christopher Lamb.....Public Utility District No. 1 of Chelan County

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

May Le.....Public Utility District No. 2 of Grant County

Kevin Lindquist .....Tri-State Generation and Transmission—Reliability

Mark Mallard .....NorthWestern Energy



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Nima Miri ..... Seattle City Light  
Emily Parry ..... Public Utility District No. 1 of Snohomish County  
Patrick Perry ..... Idaho Power Company  
Linda Pope ..... Western Area Power Administration - Rocky Mountain Region  
Ryan Price ..... Sacramento Municipal Utility District  
Karen Reedy ..... Public Service Company of New Mexico  
Tracy Rolstad ..... Public Utility District No. 2 of Grant County  
Alex Stewart ..... Bonneville Power Administration—Transmission  
Muhammad Tayyab ..... Western Area Power Administration  
Chifong Thomas ..... Thomas Grid Advisor  
Rick Torres ..... Imperial Irrigation District  
Matt Twardy ..... Public Service Company of Colorado (Xcel Energy)  
GuiHua Wang ..... British Columbia Hydro and Power Authority  
Trevor Werho ..... Arizona Public Service Company  
Scott Wilson ..... Avista Corporation  
Joanna Yang ..... Puget Sound Energy, Inc.

### Members not in Attendance

Ian Beil ..... Portland General Electric Company  
Lindsay Briggs ..... Black Hills Corporation  
Ron Calvert ..... Utility System Efficiencies, Inc.  
Horea Catanese ..... Power System Consultants, Inc.  
Matthew Gomez ..... Southern California Edison Company  
Darold Green ..... PacifiCorp  
Talal Hanna ..... San Diego Gas and Electric  
Jessica Harris ..... North American Electric Reliability Corporation  
Moises Inda ..... Centro Nacional de Control de Energia  
James Keller ..... Western Area Power Administration - Rocky Mountain Region  
Seongtae Kim ..... PacifiCorp



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Kalin Lee ..... Bonneville Power Administration  
Chelsea Loomis ..... Western Power Pool  
Nik Mikelsons ..... Portland General Electric Company  
Emily Moore ..... Puget Sound Energy, Inc.  
Mark Pigman ..... Tacoma Power  
Kenny Poon ..... British Columbia Hydro and Power Authority  
Atique Rahman ..... Los Angeles Department of Water and Power  
Daniel Ramirez ..... Energy Strategies  
Matthew Reali ..... TransCo Energy, LLC  
Juan Sanchez-Gasca ..... GE Energy Consulting Group  
Khanh Thai ..... Tacoma Power  
Patrick Truong ..... Sacramento Municipal Utility District  
Jerod Vandehey ..... Public Utility District No. 1 of Cowlitz County  
Louis Vigil ..... El Paso Electric Company  
Jimmy Zhang ..... Alberta Electric System Operator

### Others in Attendance

Phillip Agustin ..... Salt River Project  
Daja Bell ..... WECC  
Jessica Benitez ..... Los Angeles Department of Water and Power  
Chris Brem ..... Portland General Electric Company  
Theo Brown ..... Southwest Power Pool  
Corrine Coleman ..... Guidehouse  
Chris Corral ..... El Paso Electric Company  
Chris Corral ..... El Paso Electric Company  
James Cronen ..... GE Energy Consulting Group  
James Cronen ..... GE Energy Consulting Group  
Arkadeep Das ..... WECC  
Enoch Davies ..... WECC



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Kosterev Dmitry ..... Bonneville Power Administration  
Donna Enriquez ..... El Paso Electric Company  
Kathy Estrada.....GDS Associates, Inc.  
Matt Evans.....WECC  
Jonathan Flores ..... Los Angeles Department of Water and Power  
Adam Garcia ..... Colorado Springs Utilities  
Chris Gilden ..... Tri-State Generation and Transmission—Reliability  
Mensur Haskovic..... Western Area Power Administration  
Nicholas Hatton.....WECC  
Jonathan Hayes ..... Southwest Power Pool  
Ian Heinrich..... Colorado Springs Utilities  
Viv Howell.....WECC  
Scott Jordan ..... Southwest Power Pool  
Adriel Lau..... British Columbia Hydro and Power Authority  
Hongtoa Ma..... North American Electric Reliability Corporation  
Cole Mares ..... Salt River Project  
Esther Neuls ..... Bonneville Power Administration  
Jeff Newby ..... Western Area Power Administration  
Catalina Nunez ..... Centro Nacional de Control de Energia  
William Parker ..... WECC  
Evan Paull.....WECC  
Piyasak Poonpun ..... Sacramento Municipal Utility District  
Anthony Rendon ..... Salt River Project  
Ricardo Rodriguez..... El Paso Electric  
Trevor Rombough ..... Black Hills Corporation  
Thomas Rupert..... Colorado Springs Utilities  
Angel Sandoval..... Salt River Project  
Juan Santiago Santos ..... Colorado Springs Utilities





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Steve Schaarschmidt.....Colorado Springs Utilities  
Amanuel Selassie..... Los Angeles Department of Water and Power  
Doug Tucker.....WECC  
Visu Viswanathan.....Alberta Electric System Operator  
Song Wang.....Portland General Electric Company

