

Protection and Control Subcommittee

Meeting Minutes
Salt Lake City, Utah

Day 1 – December 4, 2025

8 a.m.–5 p.m. MST

1. Welcome, Call to Order

Bill Middaugh, Protection and Control Subcommittee (PCS) chair, called the meeting to order at 8:02 a.m. MST December 4, 2025. A quorum was present to conduct business. A list of attendees is attached as Exhibit A.

2. Review WECC Antitrust Policy

James Hanson, operations analysis manager, read aloud the WECC Antitrust Policy statement. The policy can be found on wecc.org.

3. Approve Agenda

B. Middaugh introduced the proposed meeting agenda.

The 2025-12-04 PCS Agenda was amended as follows:

- The presenter for Item 10 was changed from “Donovan Crane, WECC” to “James Hanson, WECC.”

By consensus, the PCS approved the agenda.

4. Review and Approve Previous Meeting Minutes

B. Middaugh introduced the minutes of the meeting on September 4–5, 2025.

On a motion by Gene Henneberg, NV Energy, the PCS approved the minutes of the meeting on September 4–5, 2025.

5. Review Previous Action Items

Maya Brimhall, administrative coordinator, reviewed action items carried over from the PCS meeting on September 5, 2025. Action items that are not closed and will be carried forward can be found on wecc.org.

6. Standing Committee Updates

- 1) Curtis Holland, senior reliability specialist, reported on the Event and Performance Analysis Subcommittee (EPAS).
- 2) G. Henneberg reported on the Remedial Action Scheme Review Subcommittee (RASRS).

- 3) G. Henneberg reported on the IEEE Power System Relaying and Control Committee.
- 4) B. Middaugh and D. Beach reported on the System Protection and Control Working Group (SPCWG).
- 5) D. Beach reported on Short-Circuit Modeling Work Group (SCMWG).
- 6) J. Hanson reported on the Event Analysis Subcommittee (EAS).

7. Debrief of 2024 Misoperations Report

J. Hanson led a discussion on the 2024 Misoperations Report.

8. 2025 ERO Protection Workshop Review

J. Hanson shared insights from the 2025 ERO Protection Workshop.

9. ERO Black Start Report Summary – Bert Peters, WECC

Bert Peters, senior reliability specialist, operations analysis, summarized the ERO blackstart report, found here: [Blackstart Resource Availability and Readiness in the Eastern and Western Interconnections](#).

10. Standards Update

J. Hanson provided a brief Standards update.

11. Load Loss Events in the Western Interconnection

Mark Willis, principal risk engineer, presented findings and recommendations from recent load loss frequency-response events and simulations in the Western Interconnection.

12. Grid Transformation Changes

Greg Park, risk analysis and data services manager, discussed recent grid transformation changes with the PCS.

13. Moss Landing/BESS Report Summary

C. Holland summarized the most recent Moss Landing/BESS report.

14. PRC-025 Implementation Guide Update

Curtis Crews, senior technical advisor, entity monitoring, shared the most recent PRC-025 Implementation Guidance draft. J. Hanson requested that PCS members review the draft and provide feedback before PCS's next meeting in March 2026.

15. Discuss topics for Joint Meeting with Northeast Power Coordinating Council (NPCC)

The PCS discussed possible topics for the joint NPCC/PCS March 2026 meeting. J. Hanson took note of everyone's suggestions and will collaborate with NPCC to establish an agenda for the March 2026 joint session.

16. PRC-027 Discussion, Six-Year Review

The PCS discussed six-year review requirements with the PRC-027.

17. Adjourn Day 1

B. Middaugh adjourned Day 1 without objection at 3:45 p.m. MST.

Day 2 – December 5, 2025

8 a.m.–noon MST

18. Closed Session

The PCS reviewed Q3 2025 misoperation submissions and engaged in a roundtable discussion during its closed session.

19. Review New Action Items

- Review PRC-025 Implementation Guidance and provide comments to Curtis Crews and James Hanson.
 - Assigned To: PCS
 - Due Date: December 24, 2025
- Input misoperations comments and save to Q3 2025 on the PCS restricted team site.
 - Assigned To: PCS
 - Due Date: December 12, 2025

20. Review Upcoming Meetings

March 18–19, 2026 (Tentative).....New York City, New York
 June 4–5, 2026Salt Lake City, Utah
 September 10–11, 2026.....Salt Lake City, Utah

21. Adjourn

B. Middaugh adjourned the meeting without objection at 11:40 a.m.



Exhibit A: Attendance List

Members in Attendance

David Beach..... Portland General Electric Company
Dean Bender..... Bonneville Power Administration—Transmission
Orion Chan..... British Columbia Hydro and Power Authority
Ryan Chun..... Los Angeles Department of Water and Power
Kevin Damron..... Avista Corporation
Jason Hall..... Puget Sound Energy, Inc.
James Hanson..... WECC
Gene Henneberg..... NV Energy
Luke Hoffmann..... PacifiCorp
Donald Loftis..... Colorado Springs Utilities
Bill Middaugh..... Tri-State Generation and Transmission—Reliability
Blake Peck..... Idaho Power Company
Rafael Pineda..... Pacific Gas and Electric Company
Nick Podany..... U.S. Bureau of Reclamation
Grant Raymond..... Public Service Company of Colorado (Xcel Energy)
Curtis Sanden..... Southern California Edison Company
Stephen Smith..... Salt River Project
Patrick Sorrells..... Sacramento Municipal Utility District

Members not in Attendance

Alejandro Castro..... El Paso Electric Company
Xing Chen..... British Columbia Hydro and Power Authority
Kawika Lawlor..... San Diego Gas and Electric
Lucy Lin..... Alberta Electric System Operator
Josh Moyers..... Western Area Power Administration
Claire Patti..... Portland General Electric Company
Harjinder Sidhu..... AltaLink Management Ltd.
Tyler Smith..... Idaho Power Company
Masahiko Taniguchi..... Los Angeles Department of Water and Power
Jonathan Trejo..... El Paso Electric Company

Others in Attendance

Maya Brimhall..... WECC
Curtis Crews..... WECC
Dave Grover..... WECC
Curtis Holland..... WECC
Kenny Park..... WECC
Bert Peters..... WECC
Nathan Powell..... Deseret Generation & Transmission Cooperative



Mark Roalofs Colorado Springs Utilities
Mark Willis WECC

