California ISO | RC West

RC West Oversight Committee

Public Session

Nov 12, 2026

1:30 - 3:30pm Pacific Time

Engagement Best Practices



This call is being recorded for informational and convenience purposes only and will be available on the CAISO website. Any related transcriptions should not be reprinted without permission from RC West.



The meeting is structured to stimulate open dialogue and engage different perspectives.



The facilitator will provide guidance for comments and questions to ensure a productive flow.



Please keep remarks succinct and avoid revisiting points that have already been covered, allowing space for all voices.

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Instructions for Raising Your Hand to Ask a Question



Please keep yourself muted to reduce on background noise. You may unmute yourself as needed.



Please remember to state your name and affiliation before speaking.



You may send questions/comments via chat link at the top of the TEAMS screen.



If you need technical assistance during the meeting, please email ykopylovalford@caiso.com or LBarrios@sdge.com

Agenda

Time:	Topic:	Presenter:
1:00 - 1:05p	Welcome/agenda	Yelena Kopylov-Alford
1:05-1:20p	**Oversight Committee Business** • Annual Charter and Guidelines review • Winter Readiness 10/28 meeting summary	Daniel Koppes, Lee Recchia Tricia Johnstone Raja Thappetaobula
1:20- 1:45p	**RC West Operations Update** • Events/Operations Updates • Emergency Declarations • Procedures Update	 Raja Thappetaobula Raja Thappetaobula Kathleen Fernandez
1:45 – 2:20p	**Working Group Updates** • FERC 881 Update • ECC Expansion Update • ROWG Activity • Oscillation Task Force	 Raja Thappetaobula Raja Thappetaobula Cody Smith, Samson Adigun John Marusenko
2:20 – 2:25p	**Future agenda items**	Daniel Koppes, Lee Recchia
2:25p	**Public Comment**	
2:30p	**Public Session Adjourned** **Note Executive session will start immediately following Public session. This may be earlier than 10:30 am.*	

Oversight Committee Business

Daniel Koppes
Committee Chair

Lee Recchia
Vice Chair

Tricia Johnstone
RC West/ Operational Readiness

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Annual Charter Review

- Proposed edits were due Friday, October 23, 2026. No changes were suggested.

- The RC West Oversight Committee Charter and Voting Guideline document review is complete for 2026.

Winter Readiness Meeting Held on Oct 28

Public Session (8:30a-11:00a)

- Welcome
- Weather Forecast
- RC Winter Readiness Outlook
- Wildfire Forecast and Preparedness-Cal Fire
- Natural Gas Coordination
- WECC Winter Outlook

- Public session materials are posted publicly on the RC West page of the CAISO website: https://www.caiso.com/market-operations/products-services/rc-west

BA Roundtable Closed Session (11:00a-noon)

- Closed session materials are posted on the RC Portal: https://rc.caiso.com/ Working Groups / Operations Working Group / Meeting Materials / 2026 Meetings

RC West Operations Update

Raja Thappetaobula
Samson Adigun
Kathleen Fernandez

Operations update

Energy Emergency Alert	2026	2025	2024	2023	2022	2021
EEA - W	23	16	38	9	9	4
EEA - 1	3	1	12	14	19	7
EEA - 2	1	0	0	0	7	3
EEA - 3	6	6	11	6	7	3
Total	28	23	61	29	42	17
IOS	4	2	1	2	4	
TE	11	2	13	1	3	

RCWEST Operations:

- We have seen increased PSPS activity resulting in lines being de energized for safety across RC West footprint
- 8/1 RC West declared EEA3 for CENACE BA . Arming firm load for contingency reserves
- 8/1 RC West declared a transmission emergency for the greater Spokane, Washington due to multiple Avista and BPA transmission lines being forced out or tripped due to Euclid and Fairview fires. Load shed to resolve the transmission overloads
- 8/18 RC West declared EEA3 for CENACE BA . Arming firm load for contingency reserves due to generation loss. CAISO BA provided support for CENACE
- 8/28 Transmission emergency in CENACE area due to windstorm tripping transmission line and generation

RCWEST Operations:

- 9/1 RC West declared EEA1 for LADWP. Post contingency firm load shed plan to resolve multiple transmission constraints
- 9/9 local transmission emergency was declared in LADWP area to due to local generation limitation and transmission constraints
- 9/10 local transmission emergency was declared in LADWP area to due to local generation limitation and transmission constraints
- 9/10 RC West declared EEA3 for CENACE. Arming firm load for contingency reserves
- 10/16 RC West declared BES emergency for BPA/BCRC areas. Path3 and Path 83 tripped which separated BCRC/AESO from main western interconnection.
  - At 0925, RC West and BCRC successfully synchronized the islands via Custer-Ingledow #1, followed by restoration of Path 3 and Path 83/MATL and termination of the BES Emergency at 0925

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FERC Order AD26-10 On Seams in Western Interconnection

- In its July 16th meeting FERC issued Order AD26-10 on western seams coordination
  - CAISO and SPP are directed to submit a joint report by September 30, 2026, on the status of their work to coordinate operations along their seams in the Western Interconnection as follows
  - Order asks 4 questions to be addressed in the joint report
  - CAISO and SPP teams submitted a joint Seams report. FERC is receiving the comments on this report and based on BPA request FERC extended comment period until November30th.

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FERC Order AD26-10 On Seams in Western Interconnection

	Category	Question
Q1	Status	What efforts have CAISO and SPP undertaken to date on seams and market coordination? Which other entities (e.g., market participants, adjoining BAAs that have not enrolled in a day-ahead market, etc.) have CAISO and SPP engaged in discussions on these issues?
Q2	Issue identification	Identify specific seams and market coordination issues created by the ongoing development of organized wholesale markets in the West, including (but not limited to):
		(a) Explain how CAISO and SPP will resolve potential operational and communication challenges regarding transmission commitment, reservation, and use, given their differing market rules
		(b) Explain how congestion management will work between (1) the three markets (EDAM, Markets+, and SPP's expanded RTO) and (2) the market operators and the bilateral markets
		(c) Explain how CAISO and SPP will manage loop flow issues between the markets
Q3	Plan	Submit a plan and schedule for addressing each of the issues in question (2) based upon the relative prioritization of those issues for both importance and timing.
Q4	Gap	Identify any areas in which the market operators are not yet aligned on a path forward.

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NERC RTOS Work Plan on Wildfire Reliability Guideline:

- The North American Electric Reliability Corporation (NERC) filed a Wildfire Report as directed by Federal Energy Regulatory Commission (FERC) on May 1, 2026, pursuant to section 4 (d) Executive Order 14308 “Empowering Commonsense Wildfire Prevention and Response”

- NERC is implementing a Wildfire Action Plan to support the recommendations n the Wildfire Report

- The Wildfire Action Plan has 5 core elements to include a Wildfire Reliability Guideline to be submitted and approved 2027

NERC RTOS Work Plan on Wildfire Reliability Guideline:

- The initial draft Reliability Guideline will include
  - Reliability Guideline criteria
  - Planning
  - Prevention
  - Detection
  - Response

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RC West Procedures Update

Kathy Fernandez

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RC West Procedures Update

Upcoming procedure changes:

RC Proc. #	Procedure Title	Target Effective Date	Summary
RC9220	WECC Transfer Path 83 (Montana-Alberta Line)	9/24/2026	Annual Review: Minor formatting and removed history prior to five years. No content changes required at this time.

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RC West Procedures Update

Recently published procedures:

RC Proc. #	Procedure Title	Effective Date	Description of Changes
RC0120	Guidelines for RC West IRO-010 Data Specification and Collection	7/1/2026	Updated version number for NERC CIP-012 references due to standard update on July 1, 2026.
RC0210	Monitoring Frequency and Balancing Authority Performance	7/1/2026	Periodic Review: Changes to the reserves recovery timing due to BAL-002-WECC-3 retirement on July 1, 2026. Minor formatting and grammar edits and removed history prior to five years.
RC0410	System Emergencies	7/1/2026	Changes to the reserves recovery timing in Section 3.1 due to BAL-002-WECC-3 retirement on July 1, 2026. Updated Section 3.5 title from Load Shedding "Instructions" to "Philosophy." Removed history prior to five years.
RC9570	CENACE EEAs and Requests for Emergency Assistance	7/1/2026	Changes due to retirement of BAL-002-WECC standard effective July 1, 2026, and minor clarification to language related to emergency assistance from CAISO.
RC0310	Mitigating SOL and IROL Exceedances	7/9/2026	Section 3.5: Added severe low voltage affecting multiple BES stations as a criteria to assess for potential insecure state. Section 3.10: Clarified language and indications of potential insecure state for thermal cascading. Most cascading test steps to RC
RC0310C	Guidelines for Declaring Insecure Operating State	7/9/2026	Major rewrite of entire document to clarify indications and criteria for insecure operating state and steps to be taken by the RC and RMOE to validate, mitigate, and declare insecure operating state.
RC0460	Reliability Coordinator Area Restoration Plan	7/9/2026	Annual Review: Section 2.2: Updated scope of RC restoration plan, to include system disturbance affecting multiple TOP areas potentially due to instability, uncontrolled separation or cascading event . Section 3.2: Updated RC responsibility and criteria
RC0460A	Restoration Principles	7/9/2026	Annual Review: Removed history prior to five years, no content changes.
RC0460B	Whole or Partial Transmission System Islanding Restoration Checklist	7/9/2026	Annual Review: Minor format and grammar edits and removed history prior to five years.
RC0460C	Blackout Restoration Using Connection to Energized System Checklist	7/9/2026	Annual Review: Minor format and grammar edits and removed history prior to five years.

RC West Procedures Update

Recently published procedures – *continued:*

RC Proc. #	Procedure Title	Effective Date	Description of Changes
RC0460D	Blackout Restoration Energizing a De-energized System Checklist	7/9/2026	Annual Review: Minor format and grammar edits and removed history prior to five years.
RC0460E	Synchronization Checklist	7/9/2026	Annual Review: Minor format and grammar edits and removed history prior to five years.
RC0460G	Widespread De-Energized System Across Multiple TOP Areas Checklist	7/9/2026	New procedure created and issued.
RC-016	Path 3 Credible Multiple Contingency SOL Monitoring	7/16/2026	Added TOP contact requirement ?within 20 minutes of TTC exceedance? to step 2.
RC0110	Communications Protocols	7/23/2026	Annual Review: In Section 3.4, removed SOL exceedances from Operating Instructions during Emergencies; added Insecure Operating State. Minor formatting and grammar edits and removed history prior to five years.
RC9530	Monitoring South of San Onofre	7/23/2026	Updated TL23007 line in Table 1 and updated Appendix Overview. Removed history prior to five years.
RC9260	Path 24 Operating Guide	7/23/2026	Annual Review: Defined first instance of most acronyms, minor formatting, and grammar edits for procedures consistency.
RC0460F	EOP-005 Plan Review Checklist	8/1/2026	Annual Review: Added new Section 2, and updated checklist to include additional elements based on RC0460 updates. Minor formatting and grammar edits and removed history prior to five years.
RC0610	System Operating Limits Methodology for the Operations Horizon	8/1/2026	SOL Methodology Updates
RC0320	Outage Review and Coordination	8/6/2026	Updates to Appendix A lines requiring preclearance study
RC0420	Event Reporting	8/6/2026	Updates to RC0420 JIC reporting criteria for loss of 3 or more BES elements

Working Group Updates

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Restoration Priorities Task Force Kick-Off Plan

- Team (Chair and Members) – in progress
- RC West Liaisons: Olga Kopacz and Andie Guillen
- 12 to 18 months
- Potential Objectives – in progress:
  - Strong interest in developing practical, operationally focused outcomes
  - Multi-Area Restoration Coordination
  - Partial-System Disruption Response
  - Modernization of Restoration Practices
  - Develop recommendations for and procedural improvements

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Operations Planning Analysis (OPA) Task Force

- Team (Chair and Members) – in progress
- RC West Liaisons: Ruili Zhao and Ran Xu
- 12 to 18 months
- Potential Objectives – in progress:
  - Improve data quality and case-building processes
  - Enhance OPA results communication, coordination, and documentation across RC West, TOPs, and neighboring RCs
  - Strengthen reliability outcomes through SOL verification and SEAMS mitigation improvements
  - Develop performance metrics and recommend process enhancements to improve operational effectiveness

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FERC Order No.881 Implementation

Raja Thappetaobula
Director, RC West Operations

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CAISO/RCWest FERC 881 Implementation :

- Track1 and Track2 are complete and CAISO/RCWest has been working with TOPs to integrate their ratings into RCWest real time reliability applications

  - **Track 1 – Real Time Reliability Applications**
    - TOP send real time AAR/DLR through ICCP

  - **Track 2 – Look ahead 240 hours forecasted ratings**
    - weblineR is being utilized to acquire TOPs look ahead 240 hours ratings
    - Look ahead ratings are not yet going into CASIO market and RCWest operation planning analysis studies

- **Track 3 – Market Application and RC Look Ahead Reliability Applications**
  - Track3 is facing extensive delays due to competing project priorities
  - FERC granted extension upto **December 17, 2026**
  - CAISO filed motion to seek another extension until **April 1, 2027**

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CAISO/RCWest FERC 881 Implementation :

- In its original extension motion of FERC Order No. 881 CAISO requested:
  - an extension of time to implement its Order No. 881 tariff provisions **up to and including December 17, 2026**, subject to the CAISO filing a notice with the Commission 7 days before the actual effective date;
  - an extension of time **up to and including October 15, 2027** for the CAISO's participating transmission owners to implement their requirements under Order No. 881 and the CAISO tariff; and
  - An extension of time **up to and including October 15, 2027** for public utility transmission providers in EDAM and Western Energy Imbalance WEIM as Order No. 881 relates to their submission of ratings for use in the day-ahead and real-time markets administered by the CAISO

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CAISO RCWest Compliance Phased In Implementation

June 2025

CAISO/RCWest EMS/EMNA/HANA applications can receive real time AAR ratings through ICCP. Only reliability apps and no markets usage.

TOP can send AAR ratings

June 2025

webLineR tool is being utilized to receive 240 hrs of AAR.

TOP can send Seasonal and AAR ratings .

Monitor and evaluate ratings

2027

FERC 881 code changes for real time markets into production.

Enable usage of AAR in EIM market for WEIM entities.

Entities can choose to enable usage of AAR in real time markets

2027

FERC 881 code changes for Day ahead markets into production.

Entities that participate in both markets can choose to enable usage of AAR.

Enable Usage of AAR in DACA/LACA /. Look ahead reliability applications.

2027

Complete remaining compliance work.

Usage of AAR in RAS.

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ECC Enhancement

Raja Thappetaobula
Director, RC West Operations

Western Interconnect Loading Relief (WLR)

- Flow based constraint management on SOLs/IROLs in real-time
- RC led process
- Standardized curtailment methodology
  - Tag Curtailments
    - Specific curtailment priority details have been defined in approved NAESB standard (Dec 2nd 2025)
  - Gen to Load relief obligations (GTL)
  - Individual Impact (E-Tag, Dynamic Transfer, and Generation to Load GTL) is greater than or equal to a 5% Impact threshold will be considered for relief obligations
- Current Hour & Next Hour WLR
- Utilizes RC West's full network state estimator model of western interconnection

Western Interconnect Loading Relief (WLR)

- RC West worked with SPP RC/BC RC and OATI to develop a change order for enhancing the ECC tool with WLR standard
- OATI developed cost estimates and we are currently working with ECCWG and RC Executive committee to get the change order approved and implemented
- Expected Q4 2027 implementation

ROWG Update

New OMS Functionality for Outages with RC Preclearance Requirement (Critical Outages)

- These outages will be automatically flagged “FAR” (Final Approval Required) in OMS
- RC will no longer manually change outage state to STUDY and call to notify TOP the night before.
- TOP shall request RC final approval electronically via OMS or verbally.

- Planned Effective date January 4th, 2027
  - Map Stage deployment Nov 17, 2026

RC0130B - New Equipment/RAS Energization Checklist (Ver 2.0 Published 11/01/2026)

Summary of changes

- Outlined TOP responsibilities to ensure required model & ICCP data are submitted for new equipment/RAS
- Outlined RC responsibilities to verify model & ICCP data implemented prior to allowing TOP to energize
  - Equipment/RAS may be removed from service if data requirements are not met
  - Clearly outlined process for TOP/RC coordination on temporary Operating Plan development to allow equipment remain in service with data deficiencies

Future Agenda Items

2027 RCWOC meetings:

Q1: February 18
Q2: May 20
Q3: August 19
Q4: November 18

- Send topic suggestions to isorc@caiso.com.

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Open for Public Comments

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Public Session Adjourned

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