



California ISO



RC West

RC West Oversight Committee

Public Session

Aug 21, 2025

1:00pm-2:30pm Pacific Time

Housekeeping Reminders

- This call is being recorded for informational and convenience purposes only. Please request permission from RC West before reprinting any related transcriptions.
- Materials related to the RC West Oversight Committee are available on www.caiso.com / Products and Services/ RC West.

Instructions for raising your hand to ask a question

- Please open the Participant and Chat panels from the bottom right of your screen.
- If you are connected to audio through your computer or used the “call me” option, select the raise hand icon  at the bottom of the participant panel to raise your hand.
- **Note:** *3 only works if you dialed into the meeting.
 - Please remember to state your name and affiliation before making your comment.
- If you need technical assistance during the meeting, please send a chat to the event producer.
- You may also send your question via chat to all panelists.

Agenda

| Time: | Topic: | Presenter: |
|-------------|--|---|
| 1:00 - 1:05 | Welcome/agenda | Yelena Kopylov-Alford |
| 1:05-1:15 | Oversight Committee Business <ul style="list-style-type: none"> Start RCWOC Annual Charter Review | Chris Sanford & Ashley Kelly & Tricia Johnstone |
| 1:15- 1:45 | RC West Operations Update <ul style="list-style-type: none"> Emergency Declarations Procedures Update RC metrics Q2, process change feedback | Raja Thappetaobula Kathleen Fernandez Lucas Rasmussen, Ran Xu |
| 1:45 – 2:05 | Working Group Updates <ul style="list-style-type: none"> SOL Methodology Oscillation Task Force Update FERC 881 Update ECC Expansion Update | RajaShekar Thappetaobula |
| 2:20 – 2:25 | Future agenda items | Tricia Johnstone |
| 2:25 | Public Comment | |
| 2:30 | Public Session Adjourned <p><i>*Note Executive session will start immediately following Public session. This may be earlier than 2:30 pm.</i></p> | |

Oversight Committee Business

Christopher Sanford
Committee Chair

Ashley Kelly
Vice Chair

Tricia Johnstone
RC West/ Operational Readiness

Annual Charter Review

- Charter redline version is available on the RC Portal
- Please submit your changes to ISORC@caiso.com by October 24.
- If changes are minor, we will take electronic vote ahead of Q4 session.
- Q4 meeting to review voting results.

RC West Operations Update

Raja Thappetaobula
Samson Adigun
Kathleen Fernandez

Operations update

| Energy Emergency Alert | 2025 | 2024 | 2023 | 2022 | 2021 | 2020 |
|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| EEA - W | 12 | 38 | 9 | 9 | 4 | NA |
| EEA - 1 | 0 | 12 | 14 | 19 | 7 | 26 |
| EEA - 2 | 0 | 0 | 0 | 7 | 3 | 9 |
| EEA - 3 | 3 | 11 | 6 | 7 | 3 | 12 |
| Total | 15 | 61 | 29 | 42 | 17 | 47 |
| IOS | 2 | 1 | 2 | 4 | | |
| TE | 1 | 13 | 1 | 3 | | |

| Peak Load | YTD | Historical |
|-----------|----------------------------|----------------------------|
| WECC | 167,988 MW (07/10/2024) | 167,988 MW (07/10/2024) |
| RC West | 128,470 MW (07/10/2024) | 130,986 MW (9/6/2022) |

Procedures Update

Upcoming Changes:

| RC Proc. # | Procedure Title | Status | Description of changes |
|----------------|--|---|--|
| RC0100A | RC Desk Area of Responsibility | Target Publish 9/30 – Effective 10/1 | Updated Table 1, RC North Desk removed WWA (now with GWA). Minor grammar and punctuation edits. |
| RC0120A | RC West IRO-010 Data Specification | Target Publish 9/30 – Effective 10/1 | Updated exceptions Tab, removing WWA from Entity. |
| RC0210A | Reserve Sharing Group Information | Target Publish 9/30 – Effective 10/1 | Removed BHE Montana (WWA) - combining into GWA. |
| RC0540 | WIT Administration | Target Publish 9/30 – Effective 10/1 | Updates to align with BAL-004-WECC-4. |
| RC0610A | Criteria for Determining Facilities Critical to Derivation of IROL | Target Publish 10/9 | Periodic Review: Included NERC FAC-011 and FAC-014 Requirements in References section. Minor format and grammar edits. |
| RC9220 | WECC Transfer Path 83 (Montana-Alberta Line) | Target Publish 9/30 – Effective 10/1 | Annual Review: Replaced WWA with GWA, as WWA is combining with GWA. Minor formatting and grammar edits. |
| RC9250 | Mitigating Thermal Exceedances in the Dave Johnston Area | External Coord. – Post Summer - TBD | Procedure to potentially be retired after completion of procedure review with PAC and SPP. |
| RC9540 | Monitoring IID System | Target Publish 10/9 | Periodic Review: Minor format and grammar edits for procedures consistency and removed history prior to five years. |
| RC9550 | Monitoring Heavy E-W Flows on SWPL, HANG2, SRPL, and Parallel Transmission | Target Publish 10/9 | Periodic Review: Included title with CAISO procedure 7820 references in Appendix A. Minor grammar edits and removed history prior to five years. |

Procedures Update - Continued

Recently Published:

| RC Proc. # | Procedure Title | Status | Description of changes |
|------------|--|-------------------|--|
| RC9120 | Oregon Export IROL | Effective 8/07/25 | Buckley station is temporarily bypassed by BPA. Contingencies related to Buckley station have been updated throughout this document as well as limit changes in Appendix C. Minor format and grammar edits. |
| RC0110 | Communications Protocols | Effective 7/31/25 | Annual Review: Minor grammar edits and removed history prior to five years. |
| RC0320 | Outage Review and Coordination | Effective 7/31/25 | Periodic Review: References: Included NERC Standards FAC-014 and IRO-017. Minor format and grammar edits and removed history prior to five years. |
| RC0420 | Event Reporting | Effective 7/31/25 | Appendix 1: Added lines 25 and 26 to Table for reporting fires with and without potential reliability impacts. Minor format and grammar edits and removed history prior to five years. |
| RC0610 | System Operating Limits Methodology for the Operations Horizon | Effective 7/31/25 | Removed clarification for less stringent CMC performance requirement from Section G. Removed Footnote 7 regarding TOP discretion on contacting the RC for post-contingency high voltage exceedances. Footnote is no longer applicable with FAC-011-4. |
| RC9260 | Path 24 Operating Procedure | Effective 7/31/25 | Annual Review: Minor grammar edits and other minor edits for clarity. |
| RC0520 | Loss of Monitoring and Analysis Tools | Effective 7/24/25 | Removed Section 3.11 Loss of WIT due to retirement of INT-020-WECC-CRT-4 WR6. The RC no longer has a specific role when WIT fails. Updated several sections to remove the requirement to coordinate tool failures and to request additional personnel support via MRTO due to recent organizational changes. Minor formatting and grammar edits and removed history prior to five years. |
| RC0640 | Transmission Near-Term Planning Assessments: NERC IRO-017 | Effective 7/10/25 | Periodic Review: Minor format and grammar edits and removed history prior to five years. |
| RC0660 | Transmission Relay Loadability: NERC PRC-02 | Effective 7/10/25 | Periodic Review: Minor formatting and grammar edits and removed history prior to five years. |

Procedures Update - Continued

Recently Published -Continued:

| RC Proc. # | Procedure Title | Status | Description of changes |
|------------|--|-------------------|--|
| RC0670 | NERC PRC-002 Disturbance Monitoring and Reporting Requirements Process | Effective 7/10/25 | Periodic Review: Updated PRC-002 version throughout. Minor formatting and grammar edits and removed history prior to five years. |
| RC0670A | PRC-002 RC West DDR Lis | Effective 7/10/25 | Periodic Review: Updated PRC-002 version throughout. Defined CIDI in Section 2. Minor format and grammar edits. |
| RC9310 | Northern Nevada (NNEV) N-1-1 Mitigation Procedure | Effective 7/10/25 | Periodic Review: Minor format and grammar edits and removed history prior to five years. |
| RC9520 | Monitoring of LDWP N-1-1 Potential Cascading | Effective 7/10/25 | Periodic Review: Updated section reference in Section 4. Minor formatting and grammar edits and removed history prior to five years. |
| RC9530 | Monitoring South of San Onofre | Effective 7/10/25 | Periodic Review: Minor formatting and grammar edits. |
| RC0210A | Reserve Sharing Group Information | Effective 7/03/25 | Periodic Review: No content changes, only removed history prior to five years. |
| RC0560 | Limiting Access to BES Cyber Assets | Effective 7/03/25 | Periodic Review: Minor formatting and grammar edits. |
| RC9120 | Oregon Export IROL | Effective 7/03/25 | Periodic Review: Section 6.2.2. Clarified criteria for triggering EMS alarm when RTVSA limit is below study limit. References: Added version to NERC FAC-014 reference. Minor formatting and grammar edits and removed history prior to five years. |
| RC0120 | Guidelines for RC West IRO-010 Data Specification and Collection | Effective 7/01/25 | RC0120 Guidelines for RC west IRO-010 Data Specification and Collection 5.6 7/01/25 Annual Review: Updated Section 3.5 on performance criteria based on discussions with DEWG on 2/5/2025 and RC-RC IRO-010 subgroup. Updated from RC real-time “desk” to “dispatcher” in Sections 3.7.1 and 3.7.2. Removed undefined asterisk (*) from Section 3.7.6.10. Added information to scope Section 2.2 that data provided to CAISO is shared with CAISO RC, same language as is in CAISO BA/TOP Operating Procedure 3140. Minor edit to Section 5 under Document Maintenance regarding periodic reviews. Updated version numbers for NERC Standards IRO-010 and PRC-002. Minor formatting and grammar/punctuation edits and removed history prior to five years. |

Procedures Update - Continued

Recently Published -Continued:

| RC Proc. # | Procedure Title | Status | Description of changes |
|------------|---|-------------------|--|
| RC0120A | RC West IRO-010 Data Specification | Effective 7/01/25 | Annual Review: Updated data request 6.8.2 to extreme weather template to remove NERC Alert 3 language and add reference to EOP-012-1 effective 10/1/2024. Updated data request 6.10.2 as FERC 881 mapping can now be submitted via a CIM file. Updated data request 6.23 to remove CIM file as a method of submitting information as the RC Data Gathering Template has RDFIDs to map to the equipment. Added Reference Section in Version History tab to include NERC Requirements IRO-010-4 and PRC-002-4. Added columns for Data Validation Method, Performance Criteria, and Last Revision Date. Removed Note for Req. 2.15 since NERC Standard is inactive and this no longer applies. Updated NERC Standard version numbers, where applicable. Updated Exclusion information for Req. 1.13 & 1.15 and included LSPGC in Exceptions tab. Extended FERC 881 data requests and included series devices. Minor formatting and punctuation edits for consistency and removed history prior to five years. |
| RC0120B | RC West IRO-010 Data Specification for Adjacent RCs | Effective 7/01/25 | Annual Review: Added columns for Data Validation Method and Last Revision Date in main Data Specifications tab. Added References section in Version History tab to include NERC Requirements. Extended effective dates for FERC 881 data requests to 1/1/2026 and updated for series devices included in template. Minor formatting and punctuation edits for consistency. Removed history prior to five years. |
| RC120C | ICCP or PMU Data Request Procedure | Effective 7/01/25 | Annual Review: Updated Sections 3.1, Item 1 and 32, Item 1 for PMU Registry data availability. Updated Operationally Affected Parties language. Updated versions of NERC Standards IRO-010 and TOP-003 under References. Minor format and grammar edits and removed history prior to five years. |
| RC9000 | Open Loop Guideline | Effective 7/01/25 | Section 1: Added NWMT and WACM to the Responsibilities section. Section 3.2.3: Updated fourth CCMC bullet due to new configuration at Buckley. Section 3.2.5: Added steps to address scenarios when CAISO or BPA is unable to reduce COI/NWACI path flows using existing TOP Operating Plans to a level needed to disable the Separation Scheme in a timely manner. Included use of PDCI circulation, PSTs in RCW and SPP area, and curtailing parallel paths. Added NWACI S-N Study SOL of 1000 MW, for potential open loop condition. Minor formatting and grammar edits throughout. |

Procedures Update - Continued

Recently Published -Continued:

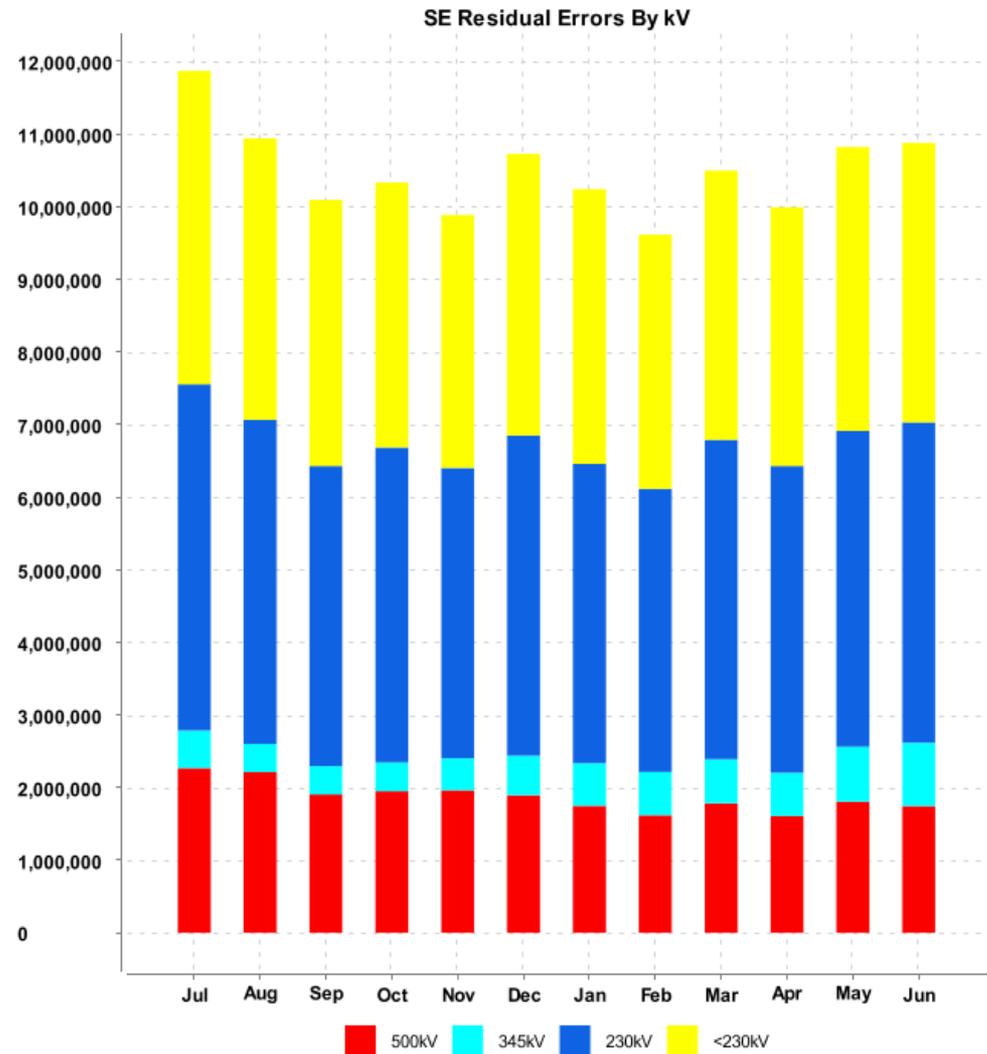
| RC Proc. # | Procedure Title | Status | Description of changes |
|------------|--|-------------------|--|
| RC0100 | Reliability Coordinator Authority | Effective 6/27/25 | Periodic Review: Removed last sentence from first paragraph of Statement of Authority, as it no longer applies due to reorganization. Added References section and included NERC IRO-002-7 and minor format and grammar edits. |
| RC0100A | RC Desk Area of Responsibility | Effective 6/27/25 | Periodic Review: Minor format and grammar edits and removed history prior to five years |
| RC0430A | EOP-010 Plan Review Checklist | Effective 6/27/25 | Periodic Review: Defined GMD in Purpose section. Updated Operationally Affected Parties to align with other Plan Review Checklist procedures. Minor format and grammar edits. |
| RC0610 | System Operating Limits Methodology for the Operations Horizon | Effective 6/27/25 | Added clarification for less stringent CMC performance requirement. Updated EOP-011 and IRO-010 reference version numbers. Minor formatting and grammar edits. |
| RC0630A | OATI webSmartOMS User Manual | Effective 6/26/25 | Section 13.3: Updated for clarification to include RIMS Outage information. Section 14: Provided description for accessing webSmartOMS CBT. Minor formatting and grammar edits |
| RC0530 | Communications Systems and Testing | Effective 6/19/25 | Periodic Review: Updated Section 3.1.3 to clarify that weekly GMS test is sent to RC West BA/TOP 24/7 control centers. Added new Section 3.1.4 for Cyber Security Collaboration Working Group (CSCWG) Cyber Security Operation Center (CSOC) Call Activation Test. Minor formatting and grammar edits and removed history prior to five years. |
| RC9510 | Operating Plan for IPP DC Bi-pole Contingency | Effective 6/19/25 | Periodic Review: Updated instances of phase shifter for procedure consistency. Updated instance of California ISO RC to RC West in Section 3. Updated Appendix A to align with LADWP's 81 Appendix A Summer 2025. Minor formatting and grammar edits and removed history prior to five years. |

RC Metrics Q2 2025

Lucas Rasmussen
Ran Xu

RC Metrics Q2 2025 - SE Residual Errors

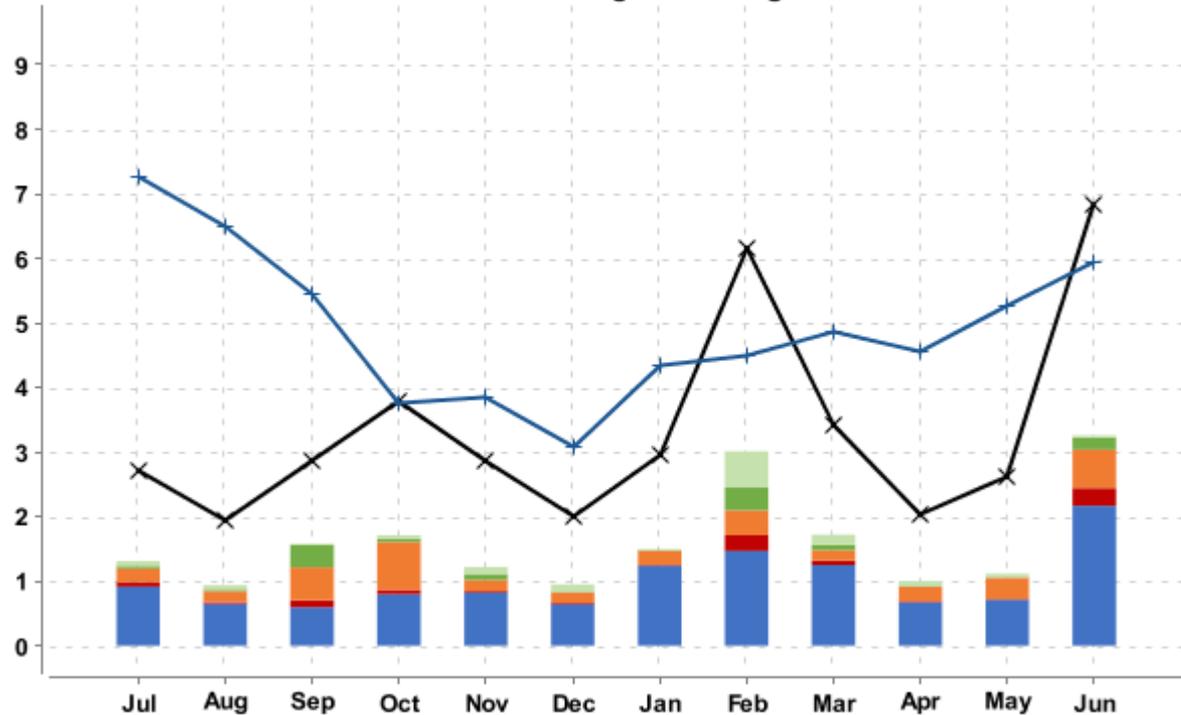
- Residual Errors for line MW flow observed on 500kV, 345kV, 230kV, and less than 230kV lines
- *Note: Though the measurements in anomaly are not used by SE in estimating the solution, the count of anomalies provide opportunity of reducing them.*



RC Metrics Q2 2025 - RTCA Non-Converged Contingencies

- Count of Real-Time Contingency Analysis (RTCA) non-converged contingencies in five-minute intervals
- Note: Over 10,000 contingencies are solved in every RTCA solution*

RTCA Non-Converged Contingencies

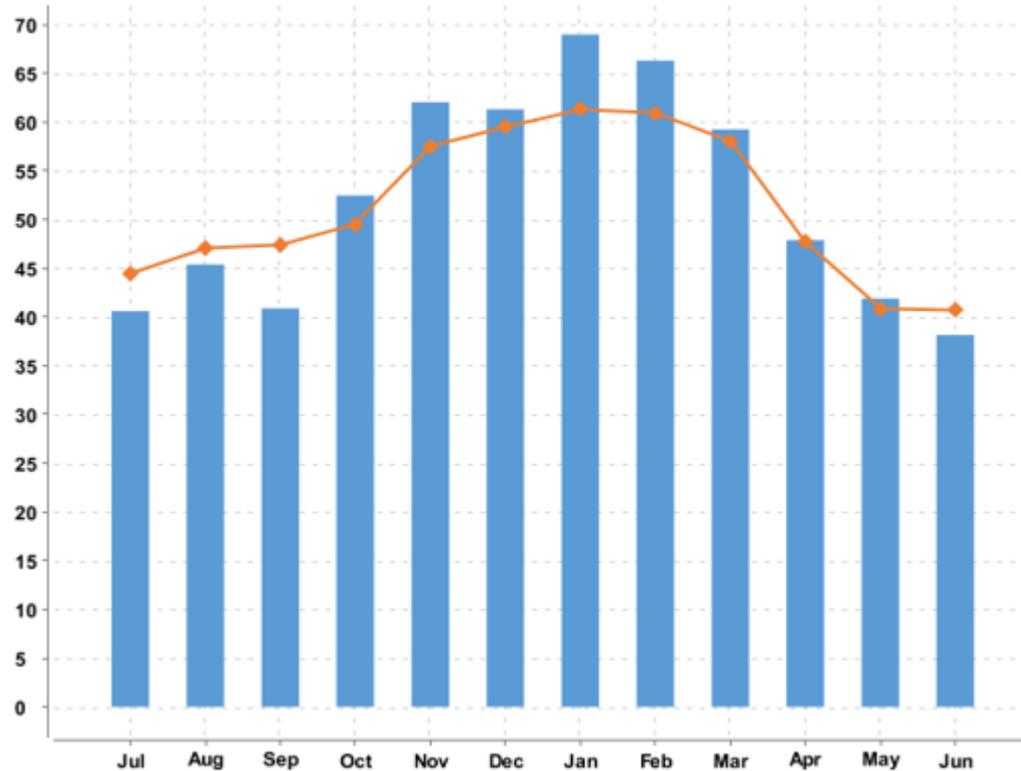


| | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 115kV Average | 0.07 | 0.07 | 0.02 | 0.05 | 0.11 | 0.11 | 0.02 | 0.56 | 0.16 | 0.08 | 0.06 | 0.04 |
| 138kV Average | 0.05 | 0.03 | 0.34 | 0.05 | 0.09 | 0.01 | 0.01 | 0.35 | 0.08 | 0.01 | 0 | 0.19 |
| 230kV Average | 0.21 | 0.17 | 0.51 | 0.74 | 0.18 | 0.16 | 0.22 | 0.39 | 0.16 | 0.22 | 0.33 | 0.6 |
| 345kV Average | 0.07 | 0.03 | 0.11 | 0.07 | 0.02 | 0.02 | 0.01 | 0.24 | 0.07 | 0.02 | 0.01 | 0.27 |
| 500kV Average | 0.91 | 0.65 | 0.59 | 0.8 | 0.82 | 0.65 | 1.24 | 1.47 | 1.25 | 0.67 | 0.71 | 2.17 |
| Total Average | 1.39 | 1.02 | 1.28 | 2.07 | 1.66 | 1.06 | 1.44 | 3.16 | 1.7 | 1.03 | 1.51 | 3.57 |
| Previous Year | 5.96 | 5.56 | 3.87 | 2.04 | 2.64 | 2.14 | 2.83 | 1.5 | 3.13 | 3.55 | 4.16 | 2.68 |

RC Metrics Q2 2025 - DACA Accuracy

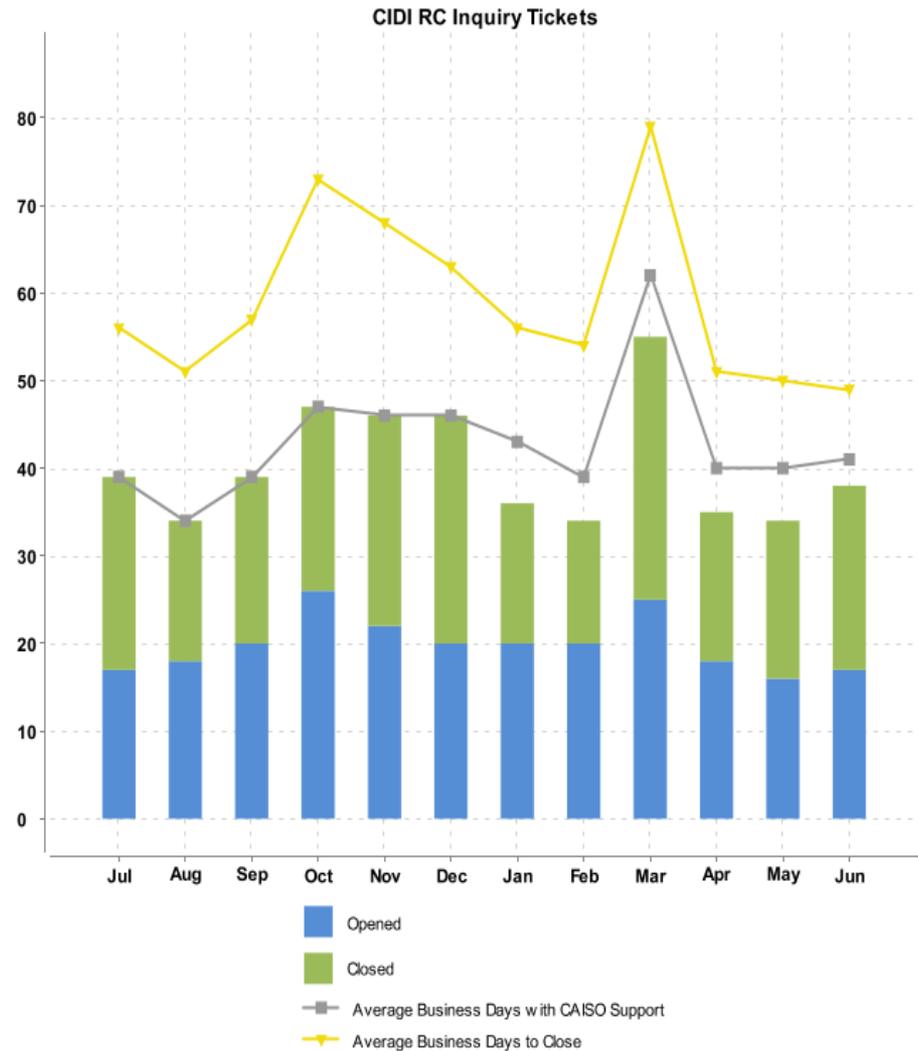
Day Ahead Contingency Analysis (DACA) tool is designed to identify potential contingencies in the day ahead timeframe

DACA Accuracy
Not observed in DACA but showed in RTCA



RC Metrics Q2 2025 - CIDI/Issue Resolution Progress

- Count of Customer Inquiry and Dispute Information (CIDI) tickets of the RC Inquiry case record type
- The number of opened cases will not change each time the data is pulled, but the other numbers can change as there are still cases opened from a prior month that haven't been closed.



Working Group Updates

SOL Methodology

Raja Thappetaobula
Director, Operations Engineering Services

Oscillation Task Force Update

Raja Thappetaobula
Director, Operations Engineering Services

FERC 881 Ambient Adjusted Rating & Dynamic Line Ratings

Raja Thappetaobula
Director, Operations Engineering Services

ECC Expansion

Raja Thappetaobula
Director, Operations Engineering Services

Future Agenda Items

- The next RC West Oversight Committee meeting is November 13, 2025. Visit [RC West webpage](#) for additional details
- Send topic suggestions to isorc@caiso.com.

Open for Public Comments

ENERGY matters

The California ISO's blog highlights its most recent news releases, and includes information about ISO issues, reports, and initiatives.



Energy Matters blog provides timely insights into ISO grid and market operations as well as other industry-related news.

<https://www.caiso.com/about/news/energy-matters-blog>

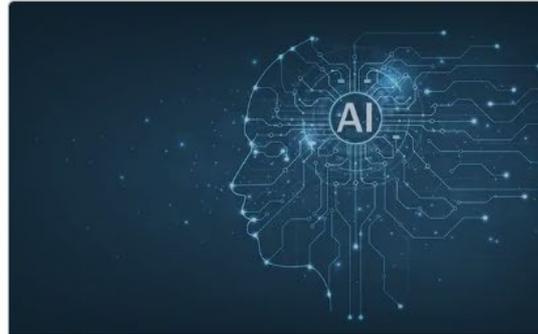


Story | Inside the California ISO

New EDAM training sessions will provide valuable insights for market participants

By ISO Staff

08/13/2025



Story | Operations

Exploring AI to support smarter grid management

07/28/2025



Story | Leadership

Strengthening Regional Governance: insights from the 2025 Regional Issues Forum enhancement discussion paper and stakeholder dialogue

By Allie Mace, Meg McNaul

07/16/2025

Subscribe to [Energy Matters blog monthly summary](#)

Public Session Adjourned