



California ISO



RC West

RC West Oversight Committee

Public Session


May 15, 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 either Yelena Kopylov-Alford or 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"> Vote on new combined working group – RT Operations and Operations Planning 	Tricia Johnstone
1:15- 1:45	RC West Operations Update <ul style="list-style-type: none"> Emergency Declarations Procedures update RC metrics Q1 	Raja Thappetaobula Kathleen Fernandez Kendall Parra, Ran Xu
1:45 – 2:05	Working Group Updates <ul style="list-style-type: none"> 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

RTWG & OPWG Merge

- We are combining the Real Time and Operations Planning Working Groups to form the RCWEST Operations Working Group (ROWG).
 - Have discussed with each of the forums and met with the combined group as invited to the RTWG May meeting
 - We would like to have this group led by the RCWEST TOP stakeholder community. Will seek volunteers to lead the group.
 - From RCWEST side we will have support from an OES Manager and an RC Manager to plan meeting agendas.
 - Targeting May for this new group to be effective.
 - Next steps – update RC Portal working group library and calendar

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
RC0120	Guidelines for RC West IRO-010 Data Specification and Collection	Target Publish 6/19 - Effective 7/1	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. Minor formatting and grammar/punctuation edits. Removed history prior to five years.
RC0120A	RC West IRO-010 Data Specification	Target Publish 6/19 - Effective 7/1	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. Minor formatting and punctuation edits for consistency.
RC0120B	RC West IRO-010 Data Specification for Adjacent RCs	Target Publish 6/19 - Effective 7/1	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. Minor formatting and punctuation edits for consistency. Removed history prior to five years.
RC0120C	ICCP or PMU Data Request Procedure	Target Publish 6/19 - Effective 7/1	Annual Review: Updated Sections 3.1, Item 1 and 32, Item 1 for PMU Registry data availability. Updated Operationally Affected Parties language. Removed history prior to five years.
RC0130B	New Equipment/RAS Energization Checklist	Target Publish 5/29 - Effective 6/1	New procedure attachment created and issued.
RC0310	Mitigating SOL and IROL Exceedances	Target Publish 5/15	Periodic Review: Added new Section 3.6.2 to address how the RC treats stability limit versus TTC. Minor formatting and grammar edits and removed history prior to five years.
RC0310A	Stability SOLs and Areas with Risk of Localized Voltage Collapse	Target Publish 5/15	Periodic Review: Removed history prior to five years. Section 1.1: Updated CAISO procedure reference for CASI SOL. Section 1.2: Updated CAISO procedure for Palermo Area and third bullet of mitigation to reflect Path 24 E>W flows.

Procedures Update - Continued

Upcoming Changes -continued:

RC Proc. #	Procedure Title	Status	Description of changes
RC0330	Coordination with Neighboring Reliability Coordinators	Target Publish 5/29	Annual Review: Minor formatting and grammar edits for consistency. Updated NERC EOP-011 version in References section. Removed history prior to five years.
RC0330A	List of Ties with Neighboring RCs	Target Publish 5/29	Annual Review: No content changes. Removed history prior to five years.
RC0330B	Contingency Monitored for Neighboring RC Area	Target Publish 5/29	Annual Review: No changes.
RC0330C	SPP-RC West Pseudo-Tie Arrangement for Grady Wind Generation	Target Publish 5/29	Annual Review: Minor formatting edits for procedures consistency.
RC0460	Reliability Coordinator Area Restoration Plan	Target Publish 5/29	Annual Review: Minor format and grammar edits and removed history prior to five years. Minor edit in Section 5 under Distribution, adding "Electronic" for copies of the latest approved restoration plan of each TOP in its RC Area.
RC0460A	Restoration Principles	Target Publish 5/29	Annual Review: Added References section to include NERC Requirement EOP-006. Minor formatting and grammar edits and removed history prior to five years.
RC0460B	Whole or Partial Transmission System Islanding Restoration Checklist	Target Publish 5/29	Annual Review: Added References section to include NERC Requirement EOP-006. Minor formatting and grammar edits and removed history prior to five years.
RC0460C	Blackout Restoration Using Connection to Energized System Checklist	Target Publish 5/29	Annual Review: Added References section to include NERC Requirement EOP-006. Minor format and grammar edits and removed history prior to five years.
RC0460D	Blackout Restoration Energizing a De-energized System Checklist	Target Publish 5/29	Annual Review: Added References section to include NERC Requirement EOP-006. Minor format and grammar edits and removed history prior to five years.
RC0460E	Synchronization Checklist	Target Publish 5/29	Annual Review: Added References section to include NERC Requirement EOP-006. Minor formatting and grammar edits and removed history prior to five years.
RC9250	Mitigating Thermal Exceedances in the Dave Johnston Area	Internal/External Coordination - TBD	Procedure to potentially be retired after completion of procedure review with PAC and SPP.
RC9510	Operating Plan for IPP DC Bi-pole Contingency	Internal Coordination - Target Publish 5/29	Periodic Review: Updated instances of phase shifter for procedure consistency. Updated instance of California ISO RC to RC West in Section 3. Minor formatting and grammar edits and removed history prior to five years.

Procedures Update - Continued

Recently Published:

RC Proc. #	Procedure Title	Status	Description of changes
RC0410	System Emergencies	Effective 5/01/25	Annual Review: Updated NERC Standard EOP-011 references due to version update. Minor formatting and grammar edits and removed history prior to five years.
RC0410A	EOP-011 Plan Review Checklist	Effective 5/01/25	Annual Review: Updated Operationally Affected Parties to align with other Plan Review Checklist procedures. Minor format and grammar edits for consistency and removed history prior to five years.
RC0410B	Transmission Emergencies Due to Wildfire	Effective 5/01/25	Annual Review: Minor punctuation and grammar edits only.
RC0540	WIT Administration	Effective 5/01/25	Periodic Review: Section 3.2: Updated WIT BA Data Administrator action Items 4 & 5. References: Updated INT-016-WECC-CRT version number.
RC0540A	RCW WIT Schedule Change Process	Effective 5/01/25	Periodic Review: Minor edits to be confirmed.
RC9010	Unscheduled Flow Mitigation on Qualified Paths	Effective 5/01/25	Annual Review: Minor formatting and grammar edits and removed history prior to five years.
RC9210	Path 3 (Northwest – British Columbia)	Effective 5/01/25	Annual Review: Footnote added to Section 4 regarding AESO normal operating practice to operate to L10. Minor format and grammar edits.
RC0420	Event Reporting	Effective 4/09/25	Periodic Review: Section 2: Added clarification regarding significant/news-worthy real-time events. Section 3.1: Replaced Public Information Officer (PIO) with Communications Director. Section 3.2: Added notification to JIC and RC management. Appendix A: Added new column for JIC reporting. Added reporting for unexpected loss of transmission elements and natural disasters. Removed history prior to five years.
RC9330	NWMT Path 80 Operating Guide	Effective 4/03/25	Step 3: Removed Crossover PST from actions due to long-term outage with likelihood of never returning to service. Step 6: Added Colstrip and Clearwater tags sinking into NWMT as tags to be excluded. Step 9: Removed steps for RCOE to run real-time dynamic studies to validate WMRAS arming, as this functionality is not currently available. Step 11: Reworded to clarify that Miles City DC import schedules will be excluded when flows are E-W. Step 17: Clarified that post-contingency mitigation plans not viable for validated IOS. Minor formatting and grammar edits throughout for procedures consistency.

Procedures Update - Continued

Recently Published -Continued:

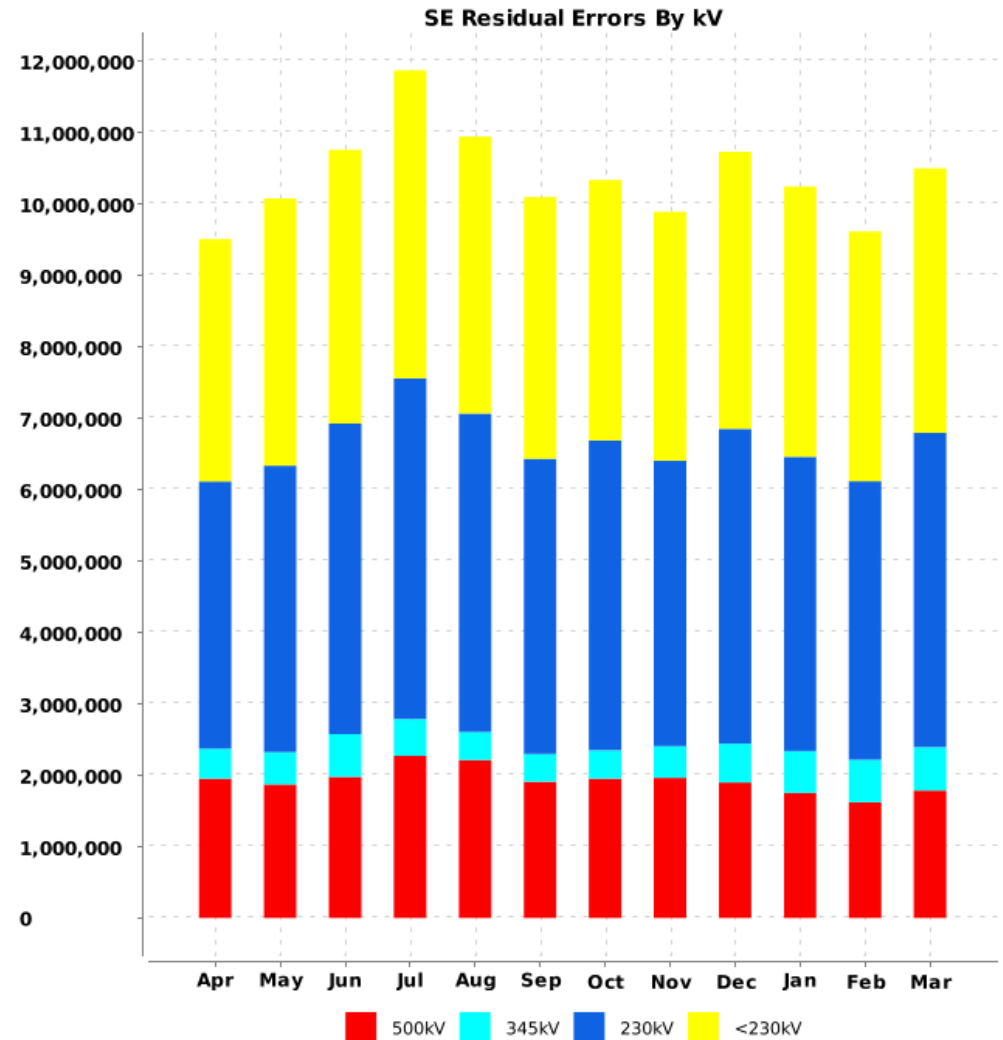
RC Proc. #	Procedure Title	Status	Description of changes
RC0520	Loss of Monitoring and Analysis Tools	Effective 3/27/25	Periodic Review: Minor formatting and grammar edits throughout. Updated version of INT-020-WECC-CRT in footnote reference and removed history prior to five years.
RC0550	Reliability Coordinator Procedure Development, Maintenance and Distribution	Effective 3/27/25	Periodic Review: Minor formatting and grammar edits. Operationally Affected Parties: Updated to read, "Shared with the Public." for procedures consistency. References: Added FAC-011 to NERC Requirements.
RC9000	Open Loop Guideline	Effective 3/27/25	Annual Review: Minor formatting and grammar edits only.
RC0100A	RC Desk Area of Responsibility	Effective 3/12/25	Table 2: Added LS Power under RC South Desk. Added Reference section and included NERC IRO-001-4. Minor format and grammar edits.
RC0310C	Guidelines for Declaring Insecure Operating State	Effective 3/12/25	Periodic Review: Changes made due to operator tool changes and minor formatting.

RC Metrics Q1 2025

Kendall Parra
Ran Xu

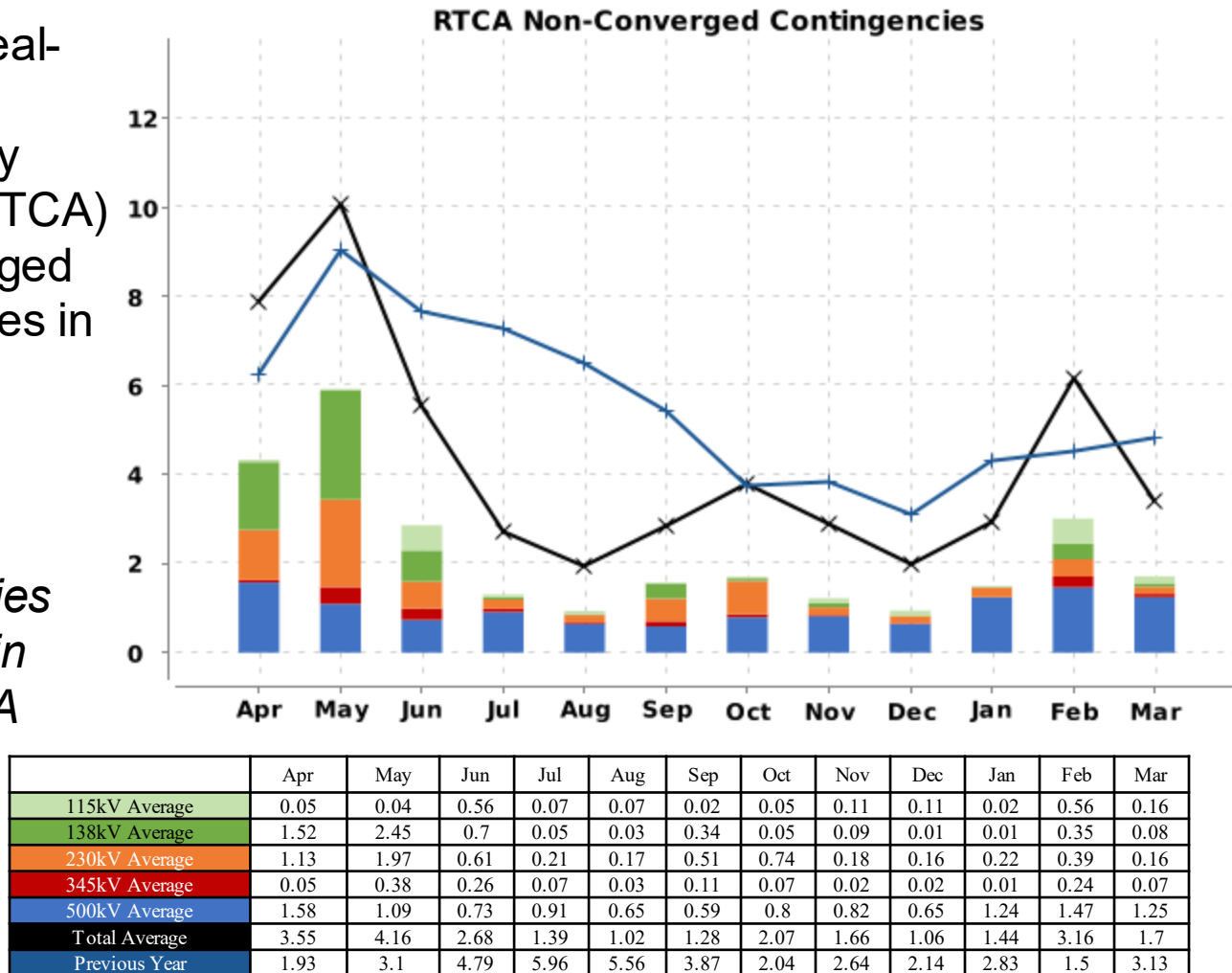
RC Metrics Q1 2025 - SE Residual Errors

- 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.*



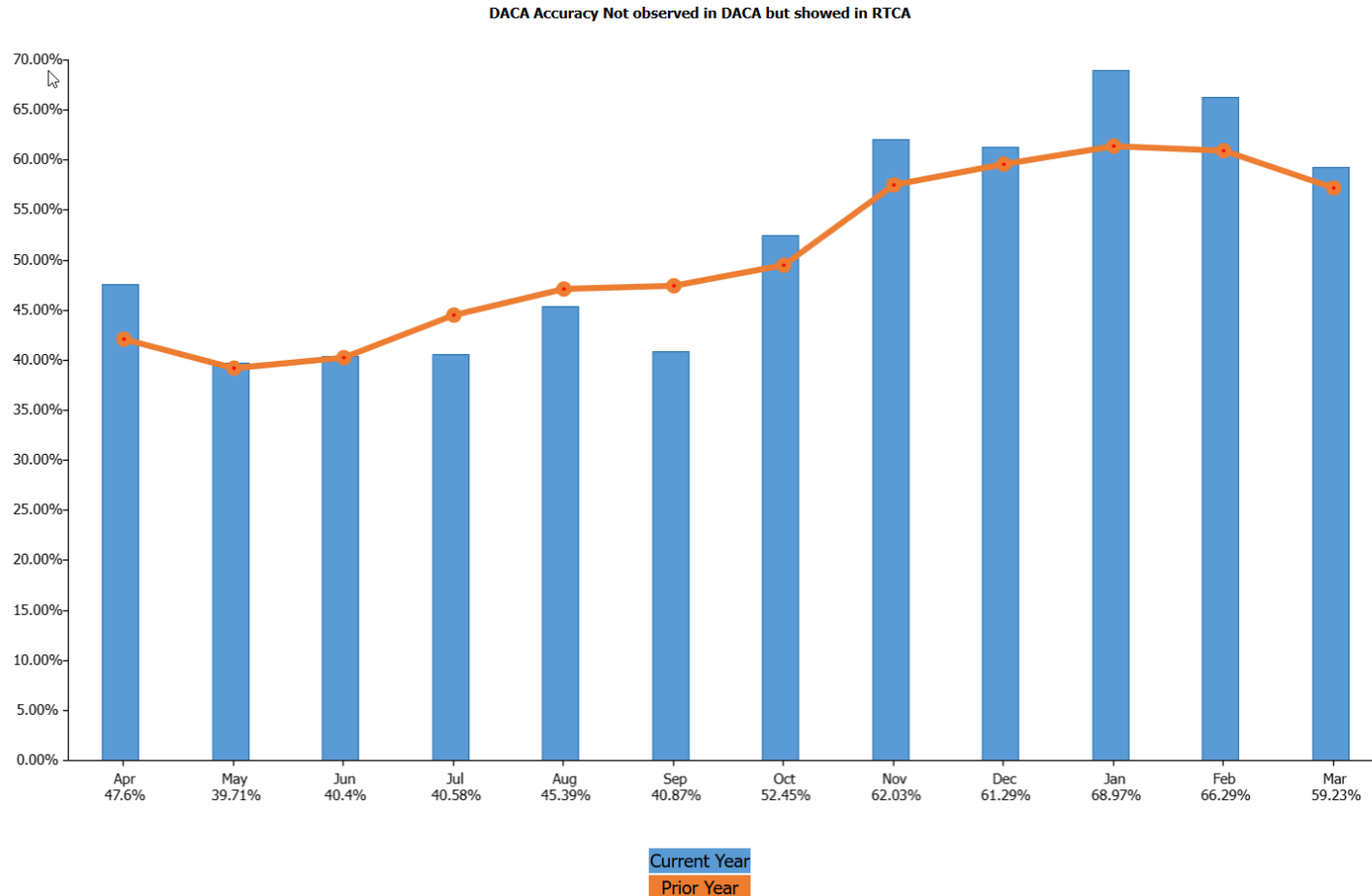
RC Metrics Q1 2025 - RTCA Non-Converged Contingencies

- 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*



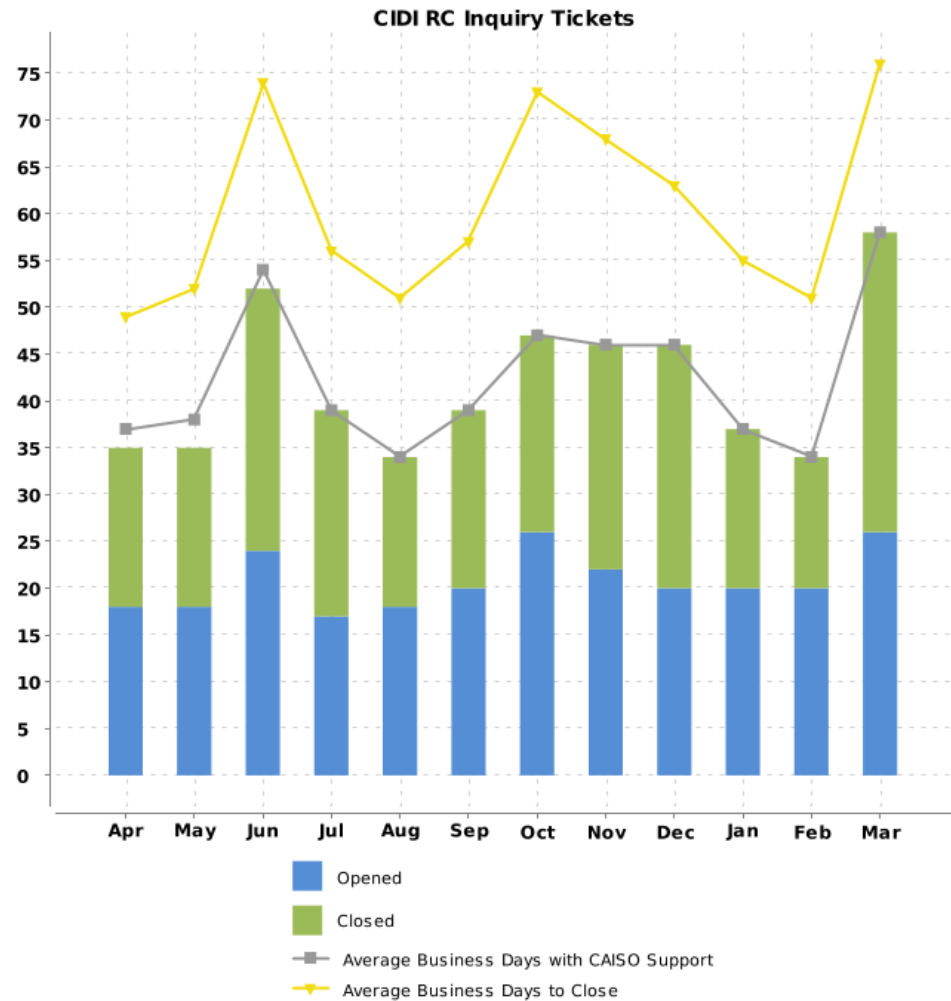
RC Metrics Q1 2025 - DACA Accuracy

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



RC Metrics Q1 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

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 August 21, 2025. Visit [RC West webpage](#) for additional details
- The Q4 meeting has been moved from November 20, 2025 to November 13, 2025.
- Send topic suggestions to isorc@caiso.com.

Open for Public Comments

Public Session Adjourned