

Resource Adequacy Modeling & Program Design (RAMPD) Track 5: Maximum Import Capability (MIC) Enhancements

Stakeholder Meeting
November 16, 2026
2:00 pm- 5:00 pm

Engagement Best Practices



This call is being recorded for informational purposes and will be available on the CAISO website. Any related transcriptions should not be reprinted without the CAISO's permission.



Today's meeting is designed to encourage open dialogue and diverse perspective. Your participation is valued.



Please engage in a respectful and professional manner.

Please keep comments brief and avoid repeating points already made so we can manage time and ensure everyone has an opportunity to participate.



You can access Closed Captioning and the Transparency Viewer using the controls located at the bottom of the Webex screen.

Instructions for Raising Your Hand to Ask a Question



If you are connected to audio through your computer or used the ‘call me’ option, select the raise hand icon located on the bottom of your screen.



If you are connected on the phone line only and not the Webex dial *3 to be added to the raise hand queue.



Please remember to state your name and affiliation before making your comment.

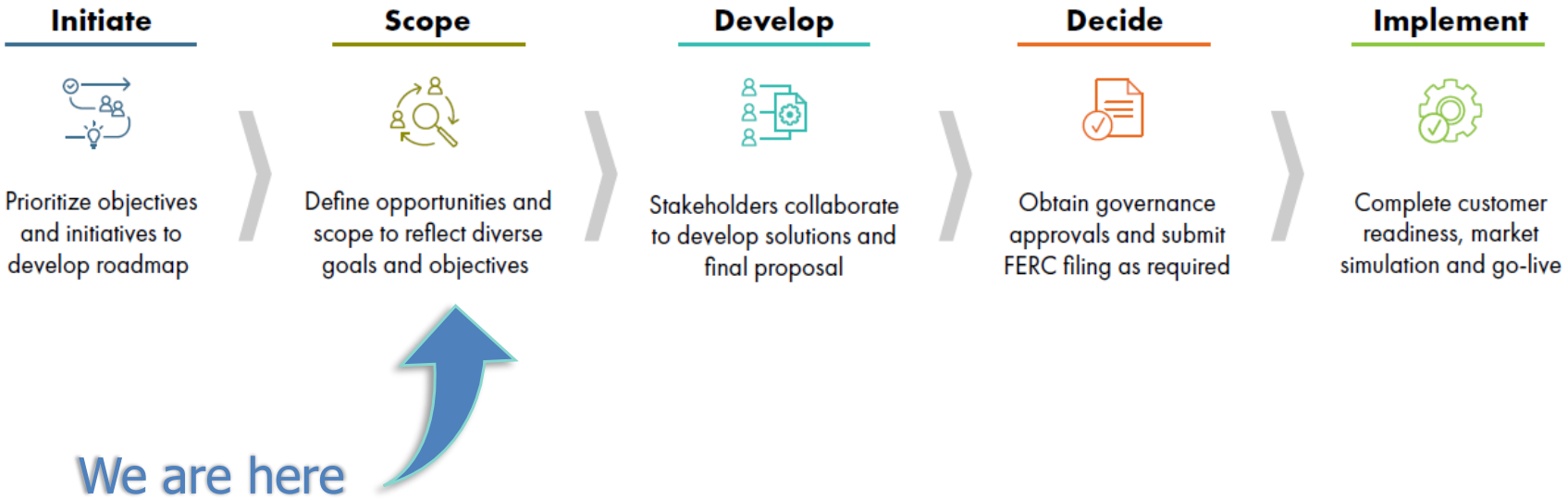


You may also send questions via chat to all panelists. Open the “Direct” tab, and select “All Panelists from the dropdown menu.



If you need technical assistance during the meeting, please send a chat to the event producer at Intellor Events.

CAISO Policy Initiative Stakeholder Process



Learn more in the Stakeholder Process Guide.

2027-2029 draft market policy roadmap

Resource Adequacy Modeling and Program Design	2026		2027			2028			
Track 1: Modeling and default rules	Implementation								
Track 2: Outage substitution and Availability and incentive mechanisms	Policy development	Decision				Implementation			
Track 3a: Resource visibility	Implementation								
Track 3b: Backstop reform and long-term EDAM RSE solutions	Policy development				Decision	Implementation			
Track 4: Flex RA		Policy development							
Track 5: MIC enhancements	Policy development			Decision					

Agenda – November 16, 2026

Time	Topic	Presenter
2:00 - 2:10 pm	Introduction and housekeeping	Christina Guimera
2:10 - 2:30 pm	Initiative background and overview of stakeholder feedback	Danielle Mills Partha Malvadkar
2:30 - 3:10 pm	Maximum Import Capability 101	Catalin Micsa Abdulrahman Mohammed-Ali
3:10 - 3:30 pm	Stakeholder presentation	CalCCA
3:30 - 4:10 pm	Stakeholder discussion	Danielle Mills Partha Malvadkar Stakeholders
4:10 - 4:20 pm	Next steps of stakeholder initiative	Danielle Mills Partha Malvadkar
4:20 - 4:30 pm	Next steps & announcements	Christina Guimera

INITIATIVE BACKGROUND AND OVERVIEW OF STAKEHOLDER FEEDBACK

Background on MIC stakeholder process and policy considerations

- In January 2026, the ISO initiated distinct markets and infrastructure policy catalog and roadmap processes.
- Stakeholders submitted MIC enhancements into both policy catalog processes.
- MIC and Deliverability were scope for additional working group discussion as a part of the RAMPD initiative.
- RAMPD Track 5 was included in both the market and infrastructure draft policy roadmaps. The CAISO will finalize both roadmaps by the end of the year.
- This meeting is the first official step to kick off the RAMPD Track 5 MIC Enhancements initiative.
- The initiative will be led by the infrastructure and market policy teams with subject matter expert engagement.

Background on MIC stakeholder process and policy considerations

- Stakeholders broadly identified the importance of resources from outside of the CAISO Balancing Area while noting challenges in procuring those resources.
- This initiative will evaluate stakeholder proposals regarding potential enhancements to current MIC methods to support ongoing resource procurement and development needs.
- The CAISO seeks to gather additional stakeholder input before proposing problem statements and drafting an issue paper.

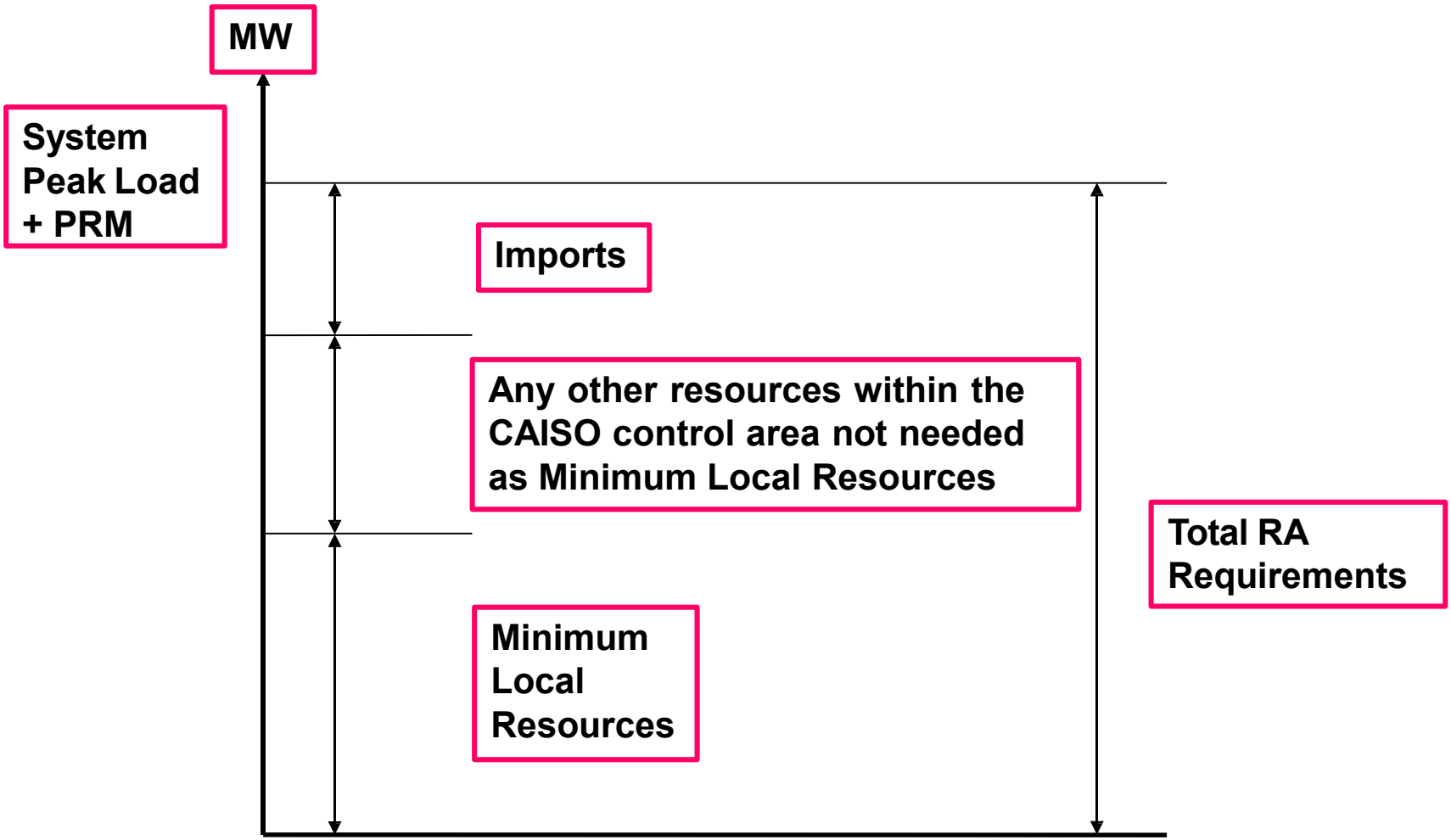
Overview of stakeholder comments on initiative

- The CAISO has received MIC-related comments from American Clean Power-California (ACP-CA), Avangrid, Bay Area Municipal Transmission Group[1] (BAMx), California Community Choice Association (CalCCA), Calpine, California Municipal Utilities Association (CMUA), Engie, Pacific Gas and Electric Company (PG&E), Southern California Edison (SCE), Calpine, Six Cities[2], Shell Energy North America[3] (Shell), The Energy Authority (TEA), TransAlta, the Regents of the University of California (UC Regents), and WestLight Energy in both the RAMPD initiative and the Infrastructure Policy Catalog and Roadmap Process.
- The CAISO broadly categorizes the comments in the following buckets:
  - MIC allocations & project development
  - MIC availability
  - Counting methodology and RA eligibility
  - Miscellaneous

[1] Comprised of the City of Palo Alto Utilities and the City of Santa Clara
[2] The Cities of Anaheim, Azusa, Banning, Colton, Pasadena and Riverside
[3] Shell is part of the Joint Parties, which includes ACP-CA, BAMx, CalCCA, CMUA, Six Cities, and UC Regents.

BACKGROUND ON MAXIMUM IMPORT CAPABILITY

Total Resource Adequacy Procurement



CAISO Tariff Definition

Deliverability

- Transmission capacity enabling the delivery of Energy to the aggregate of Load on the CAISO Controlled Grid at peak Load, under a variety of modeled stressed conditions. Deliverability includes (1) the annual Net Qualifying Capacity of a Generating Facility, as verified through a Deliverability Assessment and measured in MW, which specifies the amount of resource adequacy capacity the Generating Facility is eligible to provide; (2) the annual Maximum Import Capability of an Intertie, which specifies the amount of resource adequacy capacity, measured in MW, that Load Serving Entities collectively can procure from imports at that Intertie to meet their resource adequacy requirements; and (3) TP Deliverability.

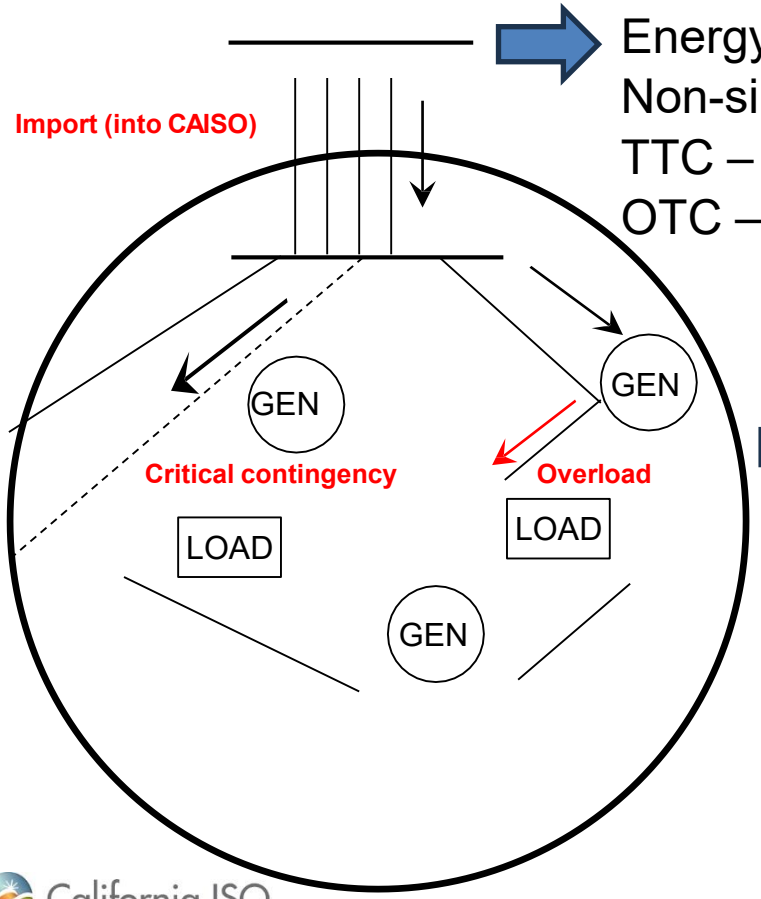
Deliverability for imports = MIC

Maximum Import Capability (MIC)

- Represents a quantity in MWs determined by the CAISO to be *simultaneously deliverable* to the aggregate of load in the CAISO Balancing Authority Area (BAA).
- CAISO tests both the deliverability of internal resources and the deliverability of imports, to ensure all Resource Adequacy (RA) resources are *simultaneously deliverable*.
- Load Serving Entities (LSEs) RA import allocation is limited to its share of MIC (with pre-RA exemptions).
- Calculated yearly by the CAISO.
- Allocated yearly by the CAISO to LSEs.

Deliverable Import is not the same as Total Transfer Capability

Simultaneous deliverability for generators and imports are enforced under normal P0 (N-0), single P1 (N-1), and common mode P7 (N-2) contingencies across the entire CAISO grid from the POI and BG/SP all the way to the load.



Energy Markets (Real-Time, Day-Ahead):
Non-simultaneous numbers (Rating of the intertie):
TTC – Total Transfer Capability
OTC – Operating Transfer Capability (~55,000 MW)

Resource Adequacy (Planning):
Simultaneous numbers
TPD – Assigned to internal CAISO resources
MIC – Assigned to CAISO LSEs in order to count imports (~16,000 MW)

STEP 1 = Maximum Import Capability Calculation

- Historically based
  - Select two hours in each of the two years (with highest net imports among the last five), and on different days within the same year, with the highest total import level when peak load was at least 90% of the annual system peak load. MIC values are based on the scheduled net import values for each intertie, plus the unused Existing Transmission Contract (ETC) rights and Transmission Ownership Rights (TOR), averaged over the four selected historical hours (OASIS HASP data).
- Forward based
  - Assess Remaining Import Capability (RIC) after step 4 relative to target expended MIC values determined by the TPP base portfolio and MIC expansion requests received by the CAISO.
  - If insufficient – expand MIC to accommodate new TPP base portfolio and MIC expansion requests along with existing ETC, TOR, Pre-RA Import Commitments and New Use Import Commitments.

RA Import Capability Assignment Process

Step 1	Determine Maximum Import Capability (MIC) – Total and the split to each BG/SP
Step 2	Available Import Capability
	- Subtract ETC/TOR for non-CAISO BAA Loads = Total Import Capability to be shared
Step 3	Existing Contract Import Capability (ETC/TOR held by inside the BAA loads)
Step 4ab	a) Pre-RA Import Commitments and b) New Use Import Commitments
	- Remaining Import Capability after Step 4
Step 5	Allocate Remaining Import Capability by Load Share Ratio
Step 6	CAISO posts Assigned and Unassigned Capability per Steps 1-5
Step 7	CAISO notifies SCs of LSE Assignments
Step 8	Transfer [Trading] of Import Capability among LSEs or Market Participants
Step 9	Initial SC requests to CAISO to Assign Remaining Import Capability by Intertie
Step 10	CAISO notifies SCs of LSE Assignments & posts unassigned Available Import Capability
Step 11	Secondary SC Request to CAISO to Assign Remaining Import Capability by Intertie
Step 12	CAISO Notifies SCs of LSE Assignments & posts unassigned Available Import Capability
Step 13	SCs may submit requests for Balance of Year Unassigned Available Import Capability – Priority is given to LSEs with RA contracts.

One year MIC allocation with possibility to lock MIC for multiple years at the branch group level

- Follow current LSE by LSE one year out MIC allocation at the branch group level to obtain Remaining Import Capability (RIC) – or obtain it through trading from other LSEs.
- LSEs may lock their yearly RIC at the branch group level through the term of their RA contracts, however if the individual LSE's total year ahead allocation falls below the previous year(s) total locked up amount, then the LSE will be limited to the current total year ahead allocation.
  - LSEs provide CAISO with contract priority curtailment order
- Up to 75% of an LSEs total MIC allocation can be locked up at the branch group level by multi-year RA contracts. New Use Import Commitment can be established by contracts with pseudo-ties and dynamic schedules signed by May 15th, and they must be communicated to the CAISO by submitting the completed template by deadline included in the BPM.

RA contractual requirements to qualify for MIC lock

- To qualify for any one year lock the RA contract has to span a minimum of 3 summer months (out of 4 June-September).
- Each LSEs locked amount per branch group is limited to 120% of the highest summer monthly qualifying capacity value.
- To maintain the lock on the branch group, the active RA contract must be included in the submitted year ahead template.
- Evergreen contracts are not allowed; the RA contract must have a specific end date and must be communicated to the CAISO.
- An LSE cannot change the contract used to lock MIC with a new contract or an extension of the same contract without going through the yearly MIC allocation first.
- An extension of an old contract is treated as a new contract and must meet any new (future) Tariff and BPM requirements in order to achieve a new lock based on its own merits.

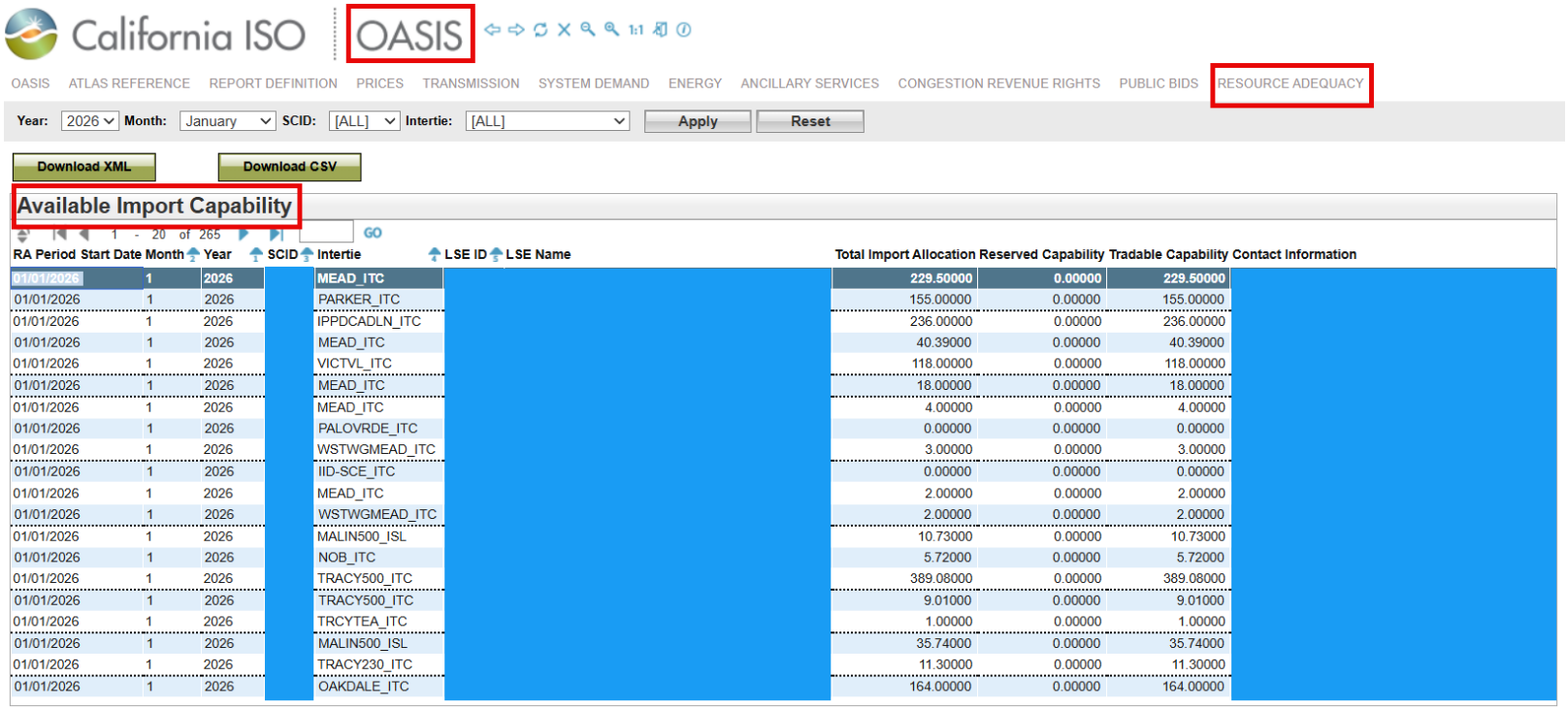
Getting MIC after the annual process

- LSEs and market participants can trade MIC bilaterally during the year if they want to get more MIC after the annual process is complete.
- Bilateral transfers must be reported in CIRA before the MIC can be used in the RA showings.



Enhanced MIC visibility for trading

Per stakeholders' request, a new OASIS report was created to provide additional visibility of the holders of MIC and their contract information to assist with the MIC bilateral trading process.



RA Period Start Date	Month	Year	SCID	Intertie	LSE ID	LSE Name	Total Import Allocation	Reserved Capability	Tradable Capability	Contact Information
01/01/2026	1	2026		MEAD_ITC			229.50000	0.00000	229.50000	
01/01/2026	1	2026		PARKER_ITC			155.00000	0.00000	155.00000	
01/01/2026	1	2026		IPPDCADLN_ITC			236.00000	0.00000	236.00000	
01/01/2026	1	2026		MEAD_ITC			40.39000	0.00000	40.39000	
01/01/2026	1	2026		VICTVL_ITC			118.00000	0.00000	118.00000	
01/01/2026	1	2026		MEAD_ITC			18.00000	0.00000	18.00000	
01/01/2026	1	2026		MEAD_ITC			4.00000	0.00000	4.00000	
01/01/2026	1	2026		PALOVRDE_ITC			0.00000	0.00000	0.00000	
01/01/2026	1	2026		WSTWGMEAD_ITC			3.00000	0.00000	3.00000	
01/01/2026	1	2026		IID-SCE_ITC			0.00000	0.00000	0.00000	
01/01/2026	1	2026		MEAD_ITC			2.00000	0.00000	2.00000	
01/01/2026	1	2026		WSTWGMEAD_ITC			2.00000	0.00000	2.00000	
01/01/2026	1	2026		MALIN500_ISL			10.73000	0.00000	10.73000	
01/01/2026	1	2026		NOB_ITC			5.72000	0.00000	5.72000	
01/01/2026	1	2026		TRACY500_ITC			389.08000	0.00000	389.08000	
01/01/2026	1	2026		TRACY500_ITC			9.01000	0.00000	9.01000	
01/01/2026	1	2026		TRCYTEA_ITC			1.00000	0.00000	1.00000	
01/01/2026	1	2026		MALIN500_ISL			35.74000	0.00000	35.74000	
01/01/2026	1	2026		TRACY230_ITC			11.30000	0.00000	11.30000	
01/01/2026	1	2026		OAKDALE_ITC			164.00000	0.00000	164.00000	

References:

CAISO Tariff Section 40.4.6.2:

https://www.caiso.com/documents/section-40-resource-adequacy-demonstration-for-scheduling-coordinators-in-the-caiso-balancing-authority-area-as-of-may-29-2026.pdf

Reliability Requirements BPM section 6.1.3.5 & Exhibit A-3:

https://bpmcm.caiso.com/BPM%20Document%20Library/Reliability%20Requirements/BPM%20for%20Reliability%20Requirements%20Version%2086.docx

STAKEHOLDER PRESENTATION

STAKEHOLDER DISCUSSION

Summary of stakeholder comments on initiative's scope

MIC allocations & project development

- Uncertainty around future MIC availability is a barrier to executing PPAs for and developing out-of-state resources (Joint Parties, WestLight Energy)
- MIC allocation timing and requirements constrain long-term contracting and project development (Calpine, CPUC, Joint Parties); MIC also presents structural barriers to financing and timely resource delivery (ENGIE)
- Initiative is necessary to provide certainty for deliverability of long lead-time, out-of-state projects (Avangrid)

MIC availability

- Initiative should analyze limitations of and causes for MIC availability and mitigation for short- and long-term limitations (WestLight Energy)
- Reforms should be based on physical deliverability and transmission capability (Calpine)
- Evaluate MIC calculation and trading methods because of insufficient MIC at popular interties and unused MIC (Joint Parties)
- Analyze OASIS data to understand causes of MIC availability constraints (Joint Parties)

Summary of stakeholder comments on initiative's scope

Counting methodology and RA eligibility

- CAISO's MIC requirements under CPUC's SOD construct will create inconsistencies in MIC requirements and RA imports (CalCCA)
- MIC requirements for VER imports should be based on CAISO's default counting values rather than those determined by individual LRAs (Six Cities)
- Initiative should consider relaxing MIC requirements for import eligibility under defined circumstances (WestLight Energy)
- CAISO should conduct a review of practices/policies quantifying, assigning, transferring, and utilizing MIC to support eligibility of import resources to provide RA capacity (CalCCA)
- Requirement of RA contract to lock-in MIC is a barrier to for longer-term project development (ACP-CA)

Miscellaneous

- Initiative should be adjusted to account for changes resulting for EDAM work (TEA)
- General agreement with the need to evaluate and enhance the MIC process (SCE, PG&E)
- CAISO should provide greater clarity on the relationship between market and infrastructure initiatives (TransAlta)

NEXT STEPS OF STAKEHOLDER INITIATIVE

Tentative Schedule: RAMPD Track 5 MIC Enhancements

Date	Action
December 14, 2026	Post Issue Paper
January 13, 2027	Issue Paper Workshop
March 3, 2027	Post Straw Proposal
March 10, 2027	Straw Proposal Workshop
May 12, 2027	Post Draft Final Proposal
May 19, 2027	Draft Final Proposal Workshop
July 15, 2027	Post Final Proposal
July 22, 2027	Final Proposal Workshop
September 23, 2027	Board of Governors decision

NEXT STEPS & ANNOUNCEMENTS

Next steps

- Comments due: December 2
  - Use the comment template on the initiative webpage: California ISO - Resource adequacy modeling and program design.
- Questions? Please email ISOStakeholderAffairs@caiso.com
- Additional materials and information are available on the CAISO website at: California ISO - Resource adequacy modeling and program design

This Week at the CAISO – 11/9/26 [to be updated on Monday]

Stakeholder Meetings-*For an overarching view of where each initiative is in the development process, view the Policy Initiatives Timeline.*

All public stakeholder meetings are also listed on the CAISO Calendar

- Monday, November 9, 2026 – Extended Day-Ahead Market Congestion Revenue Allocation
  - 9:00am – 4:00pm PT (hybrid meeting :: remote link)
- Tuesday, November 10, 2026 – Release User Group Forum
  - 10:00am – 11:00am PT (link)
- Tuesday, November 10, 2026 – Interconnection Customer User Group
  - 1:00pm – 2:00pm PT (registration is required)
- Tuesday, November 10, 2026 – Assembly Bill 825 - California Job Study
  - 3:00pm – 5:00pm PT (link)
- Thursday, November 12, 2026 – Market Update
  - 10:00am – 10:30am PT (link)
- Thursday, November 12, 2026 – RC West Oversight Committee - Q4 Public Session
  - Held at SDGE offices – more information
  - 10:00am – 10:30am PT (In-Person registration link :: remote link)

Comment Submission Deadlines

- Monday, November 9, 2026 - FERC 881 Implementation Discussion with RC West TOP
- Tuesday, November 10, 2026 - 2027 Grid Management Charge Revenue Requirement, Project Budget, and Rates
- Thursday, November 12, 2026 - Market Performance and Planning Forum - Extended Day-Ahead Market (EDAM) Market Performance Meeting

DAME/EDAM Resources

FAQ & Training:

- EDAM FAQ Guide - Designed to address general EDAM related questions
- EDAM Training Resources - A comprehensive set of EDAM training materials is available, offered in both instructor-led and computer-based training (CBT) formats. These resources include courses covering:
  - Bids and Base Schedule
  - EDAM Bidding Basic Concepts
  - Scheduling Infrastructure Business Rules (SIBR)
  - EDAM Scheduling Coordinator responsibilities
  - Intertie Scheduling
- EDAM Business Requirements Specifications - Describes EDAM's business processes and the associated business requirements.
- DAME Business Requirements Specifications - Describes DAME's business processes and the associated business requirements.
- EDAM Scheduling Coordinator Decision Matrix

Settlements:

- Settlements BPM Walkthrough
- Known Issues List

BPMs:

- Extended Day-Ahead Market BPM
- Market Instruments BPM
- Reliability Requirements BPM
- Market Operations BPM
- BPM Change Management Process (PRRs)

EDAM Stakeholder Initiative:

- Meeting materials and recordings can be accessed through the stakeholder initiative page here.

This Week at the CAISO continued

Market Simulations

Please refer to our Release Schedule for the most recent updates of initiatives scheduled for MAP- and Production- stage market sims

To participate in the DAME and EDAM Implementation pre-Market Simulation meeting series, please follow these steps:

Submit a CIDI Request:

- Log in to the CAISO Customer Inquiry, Dispute, and Information (CIDI) system.
- Create a new request with the 'Functional Environment' set to "Market Simulation."
- In the request, specify your intent to participate in the DAME & EDAM Market Simulation.
- Include the following information:
  - Market Simulation initiative(s) you will participate in.
  - Any specific resources or systems you plan to test.
  - Contact names and email addresses for coordination.

Email Option:

- If you do not have access to CIDI, you may send an email to marketsim@caiso.com with the subject line "DAME & EDAM Market Simulation Registration."

Business Practice Manual (BPM) Updates

- The status of all PRRs and updated BPMs in the BPM Library are published on the BPM Change Management Website.



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