

# Maximum Import Capability (MIC) Enhancements Pre-Market Sim Training

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August 7, 2023

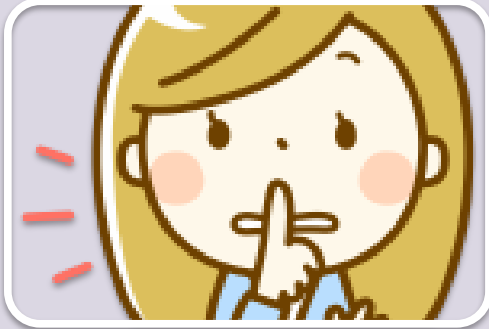
**Revised: 08/16/23**

- Slide 7 (Updated date)
- Slide 22 (Provided clarification)
- Slide 39 (Provided clarification)
- Slide 41 (Corrected info)
- Slide 49 (New slide)
- Slide 50 (New slide)

# Who does this impact?

**Scheduling Coordinators** that are participating in the Resource Adequacy program, more specifically California ISO Load Serving Entities (LSEs).

# Housekeeping



Keep  
yourself  
muted to  
minimize  
background  
noise



Unmute to  
ask verbal  
questions or  
write  
questions in  
the chat pod



Raise your  
hand using  
WebEx  
interactivity  
tools

# Agenda

This training will cover the following topics:

- High-level review of changes
- Application-specific details
- Market simulation activities

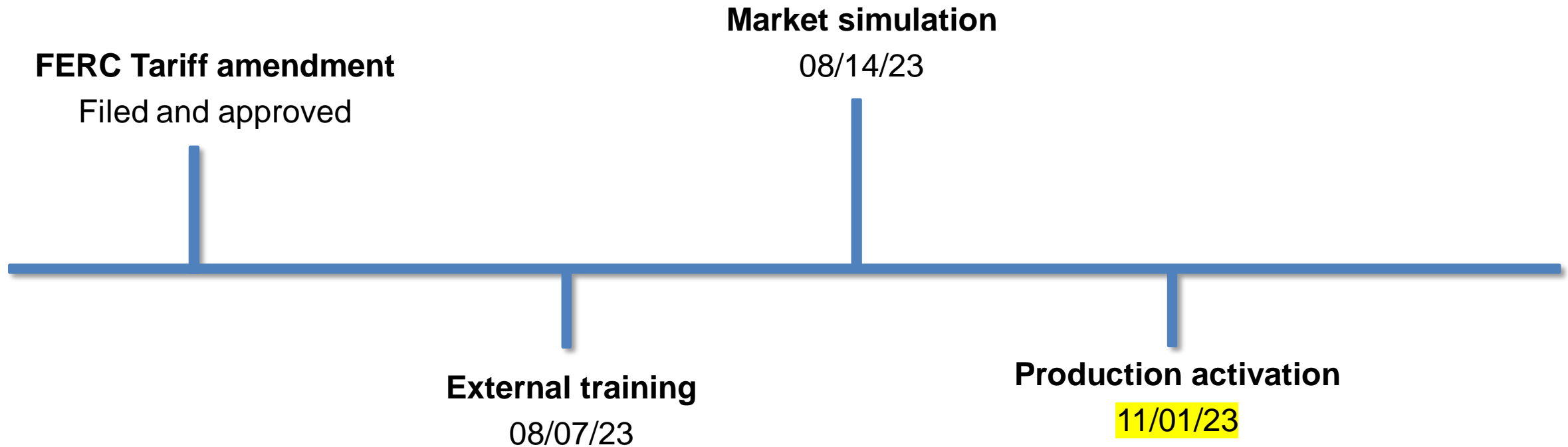


# Maximum Import Capability (MIC) Enhancements scope

1. Additional transparency with making data publicly available
2. Inclusion of contractual data from non-CPUC jurisdictional LSEs into the main portfolio
3. Request for MIC expansion
4. Give “same day priority” to the step 13 unallocated Remaining Import Capability for LSEs with existing RA Contracts
5. Update Tariff and Reliability Requirements BPM language to be consistent with current approved practice

# MAXIMUM IMPORT CAPABILITY (MIC) ENHANCEMENTS TIMELINE

# Implementation timeline



Update: The prod activation date was moved from 10/1/23 to 11/1/23.

# Maximum Import Capability (MIC) Enhancements

## **BACKGROUND: HIGH-LEVEL REVIEW OF CHANGES**



# What is Maximum Import Capability?

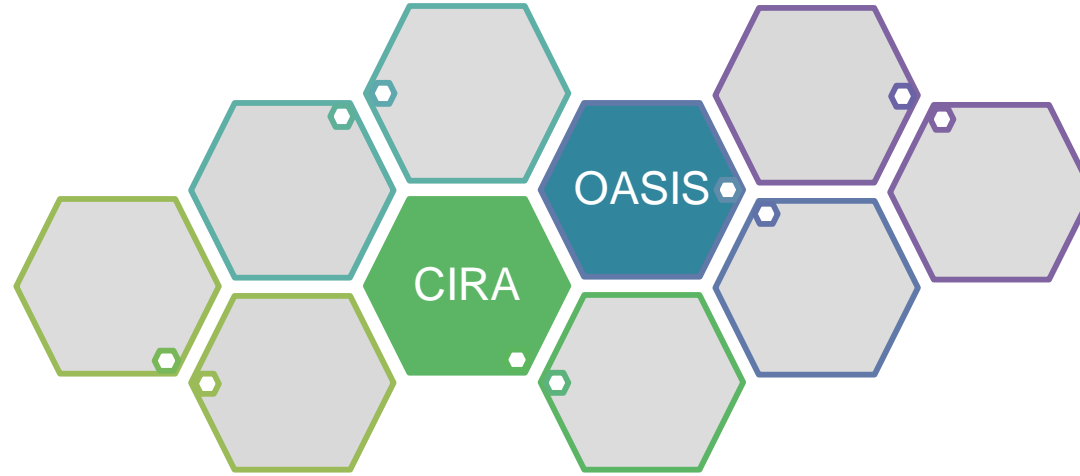
Represents a quantity in MWs determined by the CAISO to be simultaneously deliverable to the aggregate of load in the CAISO Balancing Authority Area (BAA).

- ISO tests both the deliverability of internal resources and the deliverability of imports, to ensure all RA resources are simultaneously deliverable
- LSEs RA import showings are limited for each intertie to its share of MIC
- Calculated yearly by the CAISO
- Allocated yearly by the CAISO to LSEs

## Reason for this enhancement

1. Give “same day priority” to the step 13 unallocated Remaining Import Capability for LSEs with existing RA Contracts
2. Additional transparency with making data publicly available

# Questions



# REVIEW APPLICATION - SPECIFIC DETAILS

# Customer Interface for Resource Adequacy (CIRA)

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## Step 13 Notification of Unassigned Import Capability

# Required CIRA application access role



Must be provisioned to CIRA for the **EXTERNAL RA READ-WRITE** role. Coordinate with your User Access Administrator (UAA) if you do not have access.

CIRA Access and Permissions	
CIRA Access Levels	Access Level Description
EXTERNAL RA READ-WRITE (app_cira_sc)	Permission to read, upload, and maintain data in the RA Plans, Supply Plans, NQC, Import Allocations, and Forced Substitution. Permission to read Validation Results, RA Reports, Obligation Reports, and historic Replacements

[Links to CIRA Map Stage | CIRA Production](#)

# Step: 13 2023 Notification of Unassigned Import Capability

## Current process

LSEs/SCs review Unassigned Available Import Capability

Requests are sent to [ReliabilityRequirements@caiso.com](mailto:ReliabilityRequirements@caiso.com)

Step 12	
This posting contains information regarding unassigned available import capability pursuant to Tariff section 40.4.6.2.1 Step 12	
Scheduling Point	Unassigned Available Import Capability
CASCADE_BG	60
CTW230_BG	74
NWEST_ITC	5
PARKER_BG	25
SYLMAR-AC_ITC	195.42
WSTWGMEAD_ITC	28.51

Note: Pursuant to Step 13 of the above referenced CAISO Tariff, Scheduling Coordinators for Load Serving Entities or Market Participants should notify the ISO of their request to assign any remaining Unassigned Import Capability as indicated in the table above, no later than **08/15/2022**.

**Requests that are received prior to 9:00 a.m. PDT on 08/15/2022 will be denied. The CAISO will accept only two (2) requests per calendar week from any Scheduling Coordinator on behalf of a single Load Serving Entity, Participating Generator, or System Resource. If a request includes more than two intertie allocation requests the ISO will only process the first two interties in the request; the remaining intertie requests will be denied.**

Requests should be sent to:  
[ReliabilityRequirements@caiso.com](mailto:ReliabilityRequirements@caiso.com)

## Reliability requirements

The reliability requirements and resource adequacy programs provide deliverability criteria that each load serving entity must meet, and provide rules for counting resources that must be made available to the ISO. The ISO reliability requirements program is intended to complement the state's efforts to implement resource adequacy programs.

### Process and requirements

+ Templates

#### Import Allocations

+ 2024 Import allocations

- 2023 Import allocations

- 2023 Import Capability Used on Annual Resource Adequacy Plans 11/17/2022 15:10
- 2023 Holders of Import Capability 9/22/2022 10:58
- 2023 Additional Bi-Lateral Transfers of Import Capability 7/17/2023 08:26
- Step 13: 2023 Notification of Unassigned Import Capability 8/22/2022 17:00**
- Step 12: 2023 Notification of Unassigned Import Capability 8/08/2022 13:09
- 2023 Eligible Contacts for Bi-Lateral Transfers for Import Capability 11/08/2022 12:08
- Step 10: 2023 Notification of Unassigned Import Capability 7/26/2022 11:13
- Step 8: 2023 Bi-Lateral Transfers of Import Capability 7/19/2022 13:01
- Step 6: 2023 Assigned and Unassigned RA Import Capability on Branch Groups 7/11/2022 11:26
- Step 6: 2023 Contractual Data 7/13/2022 14:16
- ISO Maximum Resource Adequacy Import Capability for Year 2023 7/01/2022 08:14

Step 13	
This posting contains information regarding unassigned available import capability pursuant to Tariff section 40.4.6.2.1 Step 13	
Scheduling Point	Unassigned Available Import Capability
All import capability assigned.	

Note: Scheduling coordinators can bi-laterally transact import capability with the contacts in 2023 Eligible Contacts for Bi-Lateral Transfers of Import Capability list: <http://www.caiso.com/Documents/2023-eligible-contacts-for-bi-lateral-transfers-for-import-capability.pdf>

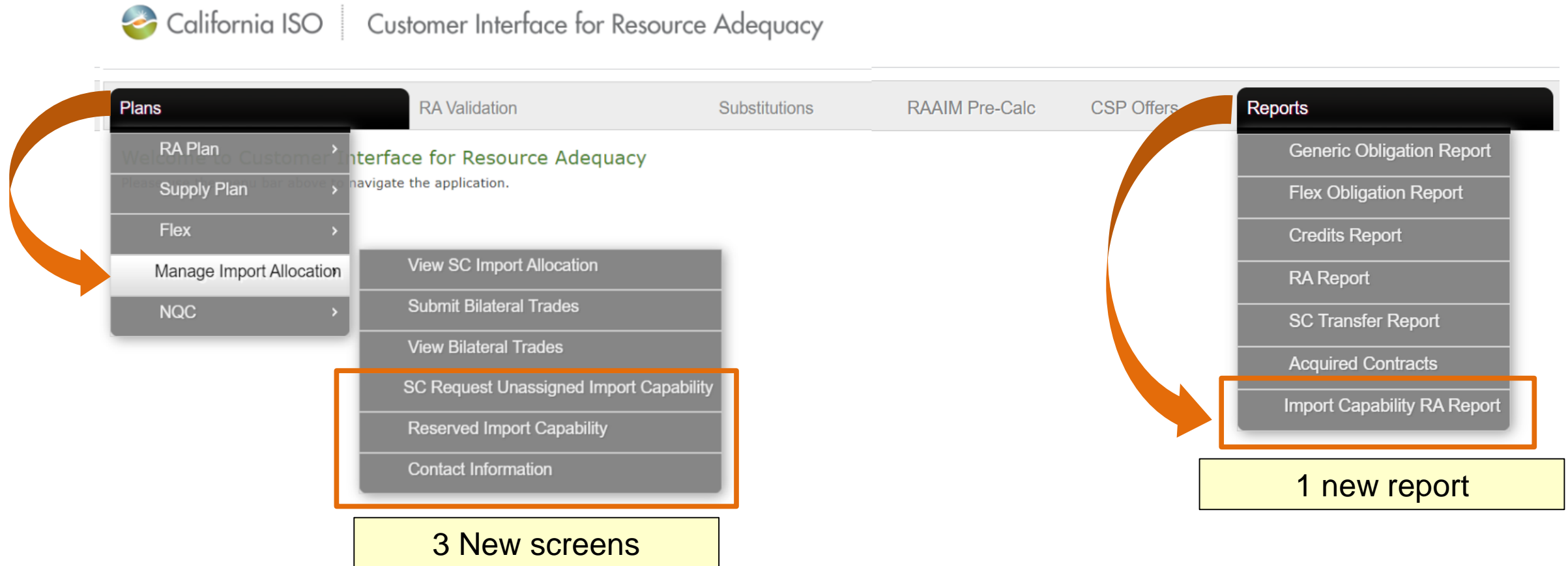
After transactions are complete, results must be communicated to the ISO through the following mailbox:  
[ReliabilityRequirements@caiso.com](mailto:ReliabilityRequirements@caiso.com)

[Reliability Requirements page on www.caiso.com](http://www.caiso.com)

# Step: 13 - 2023 Notification of Unassigned Import Capability

New screens and process

CIRA





# SC Request Unassigned Import Capability

New screen



CIRA > Plans > Manage Import Capability > SC Request Unassigned Import Capability

Plans	RA Validation	Substitutions	RAAIM Pre-Calc	CSP Offers	Reports	Legacy Replacements
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## SC Request Unassigned Import Allocation Capability

Year  SCID:  Import Group:

View Add

## SC Request Unassigned Import Allocation Capability Details

Showing 1 to 1 of 1 entries

<input type="checkbox"/>	Lse	Group Name	Start Date	End Date	Requested Date	Contracted RA Mw	Requested Import Allocation Capability	Assigned Import Allocation Capability	Request Status
<input type="checkbox"/>									

Show  entries

Previous  Next

☐ Download All Results

LSEs and SCs can have the “same day priority” to the step 13 unallocated Remaining Import Capability for LSEs with existing RA Contracts directly in CIRA.

[Tariff Section 40.4.6.2.1 Available Import Capability Assignment Process](#)

# SC Request Unassigned Import Capability

New Screen > New Process

CIRA



California ISO | Customer Interface for Resource Adequacy

Map-Stage [v. 6.5.0-61]

Plans

RA Validation

Substitutions

RAAIM Pre-Calc

CSP Offers

Reports

Legacy Replacements

## SC Request Unassigned Import Allocation Capability

Year: 2023 SCID: Import Group:

View Add

SC Request Unassigned Import Allocation Details

Showing 1 to 1 of 1 entries

Lse	Group Name	Start Date	Requested Date	Contracted RA Mw	Requested Import Allocation Capability	Assigned Import Allocation Capability	Request Status
<input type="checkbox"/>							

Show 50 entries

☐ Download All Results

- PALOVRDE\_ITC
- RNCHLAKE\_BG
- RDM230\_BG
- SILVERPK\_BG
- STANDIFORD\_BG
- SUMMIT\_BG
- SYLMAR-AC\_ITC
- TRACY230\_BG
- TRACY500\_BG
- COTPISO\_ITC

Select the **Year Ahead**, **SCID/LSE**, and **Import Group** to request for an Unassigned amount of Import Allocation Capability.

**Reminder:** ISO will only accept 2 requests per calendar week from any SC/LSE on behalf of a single LSE participating generator or system resource. If a request includes more than 2 intertie allocation requests, CIRA will only process the 1<sup>st</sup> two groups of interties in a single request. The remaining requests will be denied.

# SC Request Unassigned Import Capability

## Error message 1



If a request includes more than two intertie allocation requests, the ISO will only process the first two interties in the request. The remaining intertie requests will be denied.

California ISO

Customer Interface for Resource Adequacy

Map-Stage [v. 6.5.0-61]

PlansRA ValidationSubstitutionsRAAIM Pre-CalcCSP OffersReportsLegacy Replacements

SC Request Unassigned Import Allocation Capability

Year 2023SCID:Import Group:

TRACY230\_BG1

STANDIFORD\_BG2

PALOVVRDE\_ITC3

ViewAdd

Sample Error Message

“Request Submission is allowed for Only Two groups in single request.”

Request Submission is allowed for Only Two groups in single request.

SC Request Unassigned Import Allocation Capability Details

Showing 0 to 0 of 0 entries

	Year	Lse	Group Name	Requested Import Capability	Contracted RA MW	Delete
No data available in table						

Show 50 entriesPreviousNext

# SC Request Unassigned Import Capability

New Screen > New Process

CIRA

California ISO | Customer Interface for Resource Adequacy

Welcome NCHARI (Sign-out)  
Map-Stage [v. 6.5.0-57]

Plans RA Validation Substitutions RAIM Pre-Calc CSP Offers Reports Legacy Replacements

SC Request Unassigned Import Allocation Capability

Year: 2023 SCID: -Select- Import Group: TRACY230\_BG X

View Add

SC Request Unassigned Import Allocation Capability Details

Showing 1 to 1 of 1 entries

<input type="checkbox"/>	Year	Lse	Group Name	Requested Import Capability	Contracted RA MW	Delete
<input type="checkbox"/>	2023	LPGE	TRACY230_BG	10	10	X

Show 50 entries

☐ Download All Results

Previous 1 Next

LSE/SC to enter the requested MW amount in the **Requested Import Capability** field (e.g., 10 MWs)

Enter the MW in the **Contracted RA MW** field if the LSE/SC has an RA contract

**Note:** If you have an RA Contract, CAISO will give you preference on priority.

# SC Request Unassigned Import Capability

## Error message 2

Contracted RA MW amount must equal the **Requested Import Capability** MW amount. If the values do not match, you will receive an error message.

### Sample Error Message

“Requested Contract MW: X value should be same as requested import capability X for the Group XXXXX\_BG. Please submit valid Contracted MW.”

Plans

RA Validation

Substitutions

RAAIM Pre-Ca

SC Request Unassigned Import Allocation Capability

Year

2023

SCID

LPGE

Import Group

TRACY230\_BG X

View

Add

Requested Contract MW:6 value should be same as requested import capability 10 for the Group: TRACY230\_BG. Please submit valid Contracted MW.

SC Request Unassigned Import Allocation Capability Details

Showing 1 to 1 of 1 entries

<input type="checkbox"/>	Year	Lse	Group Name	Requested Import Capability	Contracted RA MW	Delete
<input checked="" type="checkbox"/>	2023	LPGE	TRACY230_BG	10	6	

Show

50

entries

Submit

Previous

1

Next

# Assigned MWs based on Proration formula

CIRA

Total Unassigned Available Import Capability at the Branch Group divided by the sum of from eligible portions of applicable Resource Adequacy contract with priority) multiplied by each LSE's eligible RA contract amount.

$$\frac{\text{Total Unassigned Available Import Capability at the Branch Group (BG)}}{\text{Sum value of eligible portions of the applicable RA contract}} \times \text{LSE's eligible RA Contract amount} = \text{Assigned MW}$$

Note: CIRA will apply the proration formula to calculate the assigned MW when the MW request exceeds the total unassigned available import capability.

[Link to Reliability Requirements BPM](#)

# Scenario: Multiple LSEs/SCs request for an intertie branch group (BG)

## Sample Data

Intertie (BG) = **PALOVRDE\_ITC**      Unassigned Import Capability = **2311.01**

Requestor ID	Requestor Priority based on submission	Requested MW	RA Contract	RA Contracted MW
LSE 1	1	2300	No	
LSE 2	2	1700	Yes	1700
LSE 3	3	1500	Yes	1500

Total Unassigned Available Import Capability  
at the Branch Group (BG)

Sum of eligible portions of the  
applicable RA contract

X

LSE's eligible RA  
Contract amount

=

**Assigned  
MW**

$$\frac{2311.01}{(1700 + 1500)} \times 1700 = 1227.72$$

$$\frac{2311.01}{(1500 + 1700)} \times 1500 = 1083.29$$

**Remember:**  
If you have an RA  
Contract, CAISO will  
give you preference on  
priority.

# Review Scenario: Multiple LSEs/SCs request for the same intertie branch group (BG).

**Intertie (BG) = PALOVRDE\_ITC**

**Unassigned Import Capability = 2311.01**

Requestor ID	Requestor Priority based on submission	Requested MW	RA Contract	RA Contracted MW	Requestor priority considering RA Contract	Assigned MW	Status	Results
<b>LSE 1</b>	1	2300	No		3	<b>0</b>	<b>Rejected</b>	Submission was rejected as no Unassigned Import Capability is left.
<b>LSE 2</b>	2	1700	Yes	1700	1	<b>1227.72</b>	<b>Partially Assigned</b>	Assigned MWs based on LSE proportion formula as the total requested contracted MW exceeds Unassigned Import Capability.
<b>LSE 3</b>	3	1500	Yes	1500	2	<b>1083.29</b>	<b>Partially Assigned</b>	Assigned MWs based on LSE proportion formula as the total requested contracted MW exceeds Unassigned Import Capability.



# Reserved Import Capability

New screen



## CIRA > Plans > Manage Import Allocation > Reserved Import Capability

California ISO

Customer Interface for Resource Adequacy

Welcome IEXT\_SC1\_RWx10704 (Sign-out)

Map-Stage [v. 6.5.0-57]

PlansRA ValidationSubstitutionsRAAIM Pre-CalcCSP OffersReportsLegacy Replacements

SC Reserved Import Capability

Month: AugustYear: 2023Branch Group: -Select-LSE/SCID: -Select-

ViewReset

SC Reserved Import Capability Details

Showing 1 to 1 of 1 entries

<input type="checkbox"/>	RA Year	RA Month	Branch Group	SCID	LSE/SCID	LSE/SCID Name	Total Import Capability	Reserved Capability	Tradable Capacity	Contact Name	Contact Email	Contact Phone
<input type="checkbox"/>	2023	August	IID-SCE_BG				0	0	0			

Show 50 entries

Save

☐ Download Screen Results

☐ Download All Results

Previous1Next

Reserved Capability can be submitted any time prior to the start of the RA Month and can be reserved at the branch level.


Tradeable Capacity indicates how many MW import capability the LSE/SC is willing to trade.

Users may submit values up to the Total Import Capability. If a bi-lateral trade reduces the Total Import Capability to be less than the Reserved Capability value, the system shall reduce the Reserved Capability to be equal to the Total Import Capability. After the RA showing is loaded, the system will update the Reserved Capability quantity to the greater of its current value or the Import capability used by RA.

# Contact Information (for LSEs and SCID)

New screen

CIRA > Plans > Manage Import Capability > Contact Information

 California ISO | Customer Interface for Resource Adequacy

Map-Stage [v. 6.5.0-61]

Plans

RA Validation

Substitutions

RAAIM Pre-Calc

CSP Offers

Reports

Legacy Replacements

LSE/SCID Contact Information

LSE/SCID

-Select-

Name

View

Reset

LSE/SCID	Name	SCID	Phone	Secondary Phone	Email	Secondary Email

Add

Edit

Download Screen Results

Be sure to update the existing LSE/SCID contact if the info has changed.

Add new LSE/SCID contact

Add LSE

LSE/SCID:

Name:

Phone:

Email:

Secondary Phone:  
(optional)

Secondary Email:  
(optional)

All fields required unless specified (optional)

Save

Cancel

# Contact Information (for LSEs and SCID)

Error message



Sample Error Message

“There is already an existing LSE/SC with ID XXXX.”

PlansRA ValidationResultsLegacy Replacements

LSE/SCID Contact Information

There is already an existing LSE/SC with ID ABC1

LSE/SCID

-Select-

Name

View

Reset

LSE/SCID	Name	SCID	Phone	Secondary Phone	Email	Secondary Email
ABC1	Test 123		123-456-7898	123-458-9778	ari@caiso.com	LNptest@caiso.com

Add

Edit

☐ Download Screen Results


You can only have one LSE/SCID contact entered at a time

# Import Capability RA Plan Data

## New Report



### CIRA > Reports > Import Capability RA Report

 California ISO | Customer Interface for Resource Adequacy

Map-Stage [v. 6.5.0-61]

Plans

RA Validation

Substitutions

RAAIM Pre-Calc

CSP Offers

Reports

Legacy Replacements

Import Capability RA Report

Submittal Type: 

Month Ahead

 Month: 


August


 Year: 

2023

 Intertie: 

-Select-

 View

 Reset

### Import Capability RA Report Details

Showing 1 to 125 of 125 entries

Submittal type	Month	Year	Intertie	Jurisdiction	LSE ID	SCID	Total Import Capability	RA Showing MW
M	August	2023	MONAIPPDC_ITC	NON_CPUC			182.01	6
M	August	2023	MEAD_ITC	CPUC			1010.27	830.74

This report allows LSEs/SCs to view the total annual and monthly RA capacity shown on each intertie aggregated by LRA jurisdiction (e.g., CPUC, non-CPUC, Other)

# Questions

# Open Access Same-Time Information System (OASIS)

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## Updates to UI and API



Welcome to the California ISO Open Access Same-time Information System (OASIS) site. On OASIS you will find real-time data related to the ISO transmission system and its Market, such as system demand forecasts, transmission outage and capacity status, market prices and market result data.

Standards Information

- North American Energy Standards Board (NAESB)
- ISO Business Practice Manuals
- Available Transfer Capability Information

Transmission Information

- Base Case Data
- Interconnection Study Statistics

System Help

- All technical specifications and artifacts for OASIS are available on the [ISO Developer site](#). Self-registration is required to access the site.
- To download data without using the OASIS interface, see [How to use report URLs to download OASIS data](#) on the ISO Developer site.
- Access non-technical OASIS reference documents on [www.caiso.com](http://www.caiso.com)

Two New Reports

Resource Adequacy and Minimum Load	
CSP Offer	
CPM Designations	
Available Import Capability	
Import Capability Used in RA Plan Data	



[Open Access Same-Time System \(OASIS\) link](#)



# Available Import Capability

New report



ATLAS REFERENCE   REPORT DEFINITION   PRICES   TRANSMISSION   SYSTEM DEMAND   ENERGY   ANCILLARY SERVICES   CONGESTION REVENUE RIGHTS   PUBLIC BIDS   **RESOURCE ADEQUACY**

Year: 2023   Month: November   SCID: [ALL]   Intertie: BLYTHE\_BG     

## Available Import Capability

							Total Import Allocation Reserved Capability Tradable Capability Contact Information			
RA Period Start Date	Month	Year	SCID	Intertie	LSE ID	LSE Name				
11/01/2023	11	2023	ABC1	BLYTHE_BG	LABC	ABC Company LABC	2.00000	0.00000	2.00000	TEST_CIRA, 123-456-7890, test@caiso.com
11/01/2023	11	2023	EFG1	BLYTHE_BG	LEFG	EFG Company LSE	2.00000	0.00000	2.00000	
11/01/2023	11	2023		BLYTHE_BG		Synergy Marketing and Trade, LLC	2.00000	0.00000	2.00000	

Displays the total import allocation, per intertie for LSEs, per month, and how much of that allocation they are willing to trade

[PRR 1524 for Market Instrument BPM](#)

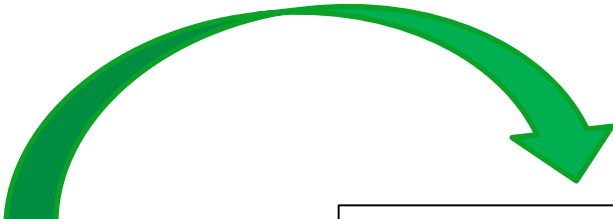


# Import Capability Used in RA Plan Data report

Data from CIRA to OASIS



## Available Import Capability (in CIRA)



California ISO

Customer Interface for Resource Adequacy

Map-Stage [v. 6.5.0-61]

Plans

RA Validation

Substitutions

RAAIM Pre-Calc

CSP Offers

Reports

Legacy Replacements

SC Request Unassigned Import Allocation Capability

Year: 2023

SCID: -Select-

Import Group: Choose ImportGroup

View

Add

SC Request Unassigned Import Allocation Capability Details

Showing 1 to 1 of 1 entries

<input type="checkbox"/>	Lse	Group Name	Start Date	End Date	Requested Date	Contracted RA Mw	Requested Import Allocation Capability	Assigned Import Allocation Capability	Request Status
<input type="checkbox"/>									

Show 50 entries

Previous1Next

☐ Download All Results

ATLAS REFERENCE

REPORT DEFINITION

PRICES

TRANSMISSION

SYSTEM DEMAND

ENERGY

ANCILLARY SERVICES

CONGESTION REVENUE RIGHTS

PUBLIC BIDS

RESOURCE ADEQUACY

Year: 2023

Month: November

SCID: [ALL]

Intertie: BLYTHE\_BG

Apply

Reset

Download XML

Download CSV

Available Import Capability

1

3

of ???

RA Period

Month

Year

SCID

Intertie

LSE ID

LSE Name

Total Import Allocation

Reserved Capability

Tradable Capability

Contact Information

Start Date

11/01/2023

11

2023

ABC1

BLYTHE\_BG

LABC

ABC Company LABC

2.00000

0.00000

2.00000

TEST\_CIRA, 123-456-7890, test@caiso.com

11/01/2023

11

2023

EFG1

BLYTHE\_BG

LEFG

EFG Company LSE

2.00000

0.00000

2.00000

11/01/2023

11

2023

BLYTHE\_BG

Synergy Marketing and Trade, LLC

2.00000

0.00000

2.00000

[PRR 1524 for Market Instrument BPM](#)

# Import Capability Used in RA Plan Data

New report



Submittal Type: **ANNUAL**   Year: **2023**   Month: **ALL**   Intertie: **BLYTHE\_BG**   **Apply**   **Reset**

**Download XML**   **Download CSV**

Import Capability Used in RA Plan Data							
1 - 20 of 24							
Submittal Type	RA Period Start Date	Month	Year	Intertie	Jurisdiction	Total Import Allocation RA Showing MW	
ANNUAL	05/01/2023	5	2023	BLYTHE_BG	CPUC	12.00000	2.00000
ANNUAL	05/01/2023	5	2023	BLYTHE_BG	NON_CPUC	10.00000	3.00000
ANNUAL	05/01/2023	5	2023	BLYTHE_BG	NOT_ASSOCIATED	11.00000	4.00000
ANNUAL	06/01/2023	6	2023	BLYTHE_BG	CPUC	4.00000	0.00000
ANNUAL	06/01/2023	6	2023	BLYTHE_BG	NON_CPUC	0.00000	0.00000
ANNUAL	06/01/2023	6	2023	BLYTHE_BG	NOT_ASSOCIATED	0.00000	0.00000
ANNUAL	07/01/2023	7	2023	BLYTHE_BG	CPUC	4.00000	0.00000
ANNUAL	07/01/2023	7	2023	BLYTHE_BG	NON_CPUC	0.00000	0.00000
ANNUAL	07/01/2023	7	2023	BLYTHE_BG	NOT_ASSOCIATED	2.00000	0.00000
ANNUAL	08/01/2023	8	2023	BLYTHE_BG	CPUC	4.00000	0.00000
ANNUAL	08/01/2023	8	2023	BLYTHE_BG	NON_CPUC	0.00000	0.00000
ANNUAL	08/01/2023	8	2023	BLYTHE_BG	NOT_ASSOCIATED	2.00000	0.00000
ANNUAL	09/01/2023	9	2023	BLYTHE_BG	CPUC	4.00000	0.00000
ANNUAL	09/01/2023	9	2023	BLYTHE_BG	NON_CPUC	0.00000	0.00000
ANNUAL	09/01/2023	9	2023	BLYTHE_BG	NOT_ASSOCIATED	2.00000	0.00000

Posts the total annual and monthly RA capacity shown on each intertie aggregated by jurisdiction

[PRR 1524 for Market Instrument BPM](#)

# Import Capability Used in RA Plan Data report

Data from CIRA to OASIS

OASIS

## Import Capability RA Report Details (in CIRA)

California ISO | Customer Interface for Resource Adequacy

Map Stage [v. 6.5.0-61]

Plans RA Validation Substitutions RAAIM Pre-Calc CSP Offers Reports Legacy Replacements

### Import Capability RA Report

Submittal Type: Month Ahead Month: August Year: 2023 Intertie: -Select-

View Reset

### Import Capability RA Report Details

Showing 1 to 125 of 125 entries

Submittal type	Month	Year	Intertie	Jurisdiction	LSE ID	SCID	Total Import Capability	RA Showing MW
M	August	2023	MONAIPDC_ITC	NON_CPUC			182.01	6
M	August	2023	MEAD_ITC	CPUC			1010.27	830.74

California ISO | OASIS

ATLAS REFERENCE REPORT DEFINITION PRICES TRANSMISSION SYSTEM DEMAND ENERGY ANCILLARY SERV

Submittal Type: ANNUAL Year: 2023 Month: ALL Intertie: BLYTHE\_BG Apply

Download XML Download CSV

### Import Capability Used in RA Plan Data

1 - 20 of 24

Submittal Type	RA Period Start Date	Month	Year	Intertie	Jurisdiction	Total Import Allocation RA Showing MW
ANNUAL	05/01/2023	5	2023	BLYTHE_BG	CPUC	12.00000 2.00000
ANNUAL	05/01/2023	5	2023	BLYTHE_BG	NON_CPUC	10.00000 3.00000
ANNUAL	05/01/2023	5	2023	BLYTHE_BG	NOT_ASSOCIATED	11.00000 4.00000
ANNUAL	06/01/2023	6	2023	BLYTHE_BG	CPUC	4.00000 0.00000
ANNUAL	06/01/2023	6	2023	BLYTHE_BG	NON_CPUC	0.00000 0.00000
ANNUAL	06/01/2023	6	2023	BLYTHE_BG	NOT_ASSOCIATED	0.00000 0.00000
ANNUAL	07/01/2023	7	2023	BLYTHE_BG	CPUC	4.00000 0.00000
ANNUAL	07/01/2023	7	2023	BLYTHE_BG	NON_CPUC	0.00000 0.00000
ANNUAL	07/01/2023	7	2023	BLYTHE_BG	NOT_ASSOCIATED	2.00000 0.00000

[PRR 1524 for Market Instrument BPM](#)

# New OASIS APIs

Date	Tech Spec Version	Description
6/21/2023	7.4.0	<p>Maximum Import Capability (MIC) Enhancements</p> <ul style="list-style-type: none"><li>➡ New Report "Available Import Capability Data"<ul style="list-style-type: none"><li>○ AVAIL_IMP_CAP_GRP</li></ul></li><li>➡ New Report "Import Capability used in RA Plan Data"<ul style="list-style-type: none"><li>○ ANNUAL_IMP_CAP_USED_RA_PLAN_GRP</li><li>○ MONTHLY_IMP_CAP_USED_RA_PLAN_GRP</li></ul></li></ul>

[OASIS Technical Specification document version 7.4.0 is available on the ISO Developer site](#)

# Questions

# Market Simulation

# **READINESS ACTIVITIES**

# Market Simulation Timeline

- Register for Market Sim by email [MarketSim@caiso.com](mailto:MarketSim@caiso.com).
  - Registration started **July 31, 2023** (You can still register)
  - Run the scenarios
  - Validate expected market sim scenario outcomes
- Market Simulation Forums start on **August 10, 2023**
  - View the [CAISO public calendar](#) for full schedule
- MIC Market Sim starts on **August 17, 2023**

# Market Sim Scenarios - Facilitate submission and retrieval of Import Capability reports

1. Submit request for unassigned import capability as part of step 13 of the import allocation process for 2023 & 2024 RA years
2. Upload trades and RA showing for 2023
3. Update contact information for 2023
4. Update the reserve versus tradeable capability for 2023
5. Validate two new OASIS reports for 2023
  - OASIS > Resource Adequacy > Available Import Capability
  - OASIS > Resource Adequacy > Import Capability used in RA Plan Data

MIC Enhancement [Fall 2023 Release Plans](#) and [Market Sim Scenarios](#)



# Market Sim Scenario – Expected Outcome

## Participants to verify:

1. Submission of Step 13 request for Unassigned import capability
2. Daily available import capability
3. Annual available import capability
4. Monthly import capability in RA plan
5. Annual import capability in RA plan
6. OASIS reports:
  - OASIS > Resource Adequacy > Available Import Capability
  - OASIS > Resource Adequacy > Import Capability Used in RA Plan Data (Monthly & Annually)

# Market Simulation Questions?

Submit questions and/or concerns through the CIDI application or email [MarketSim@caiso.com](mailto:MarketSim@caiso.com).

Functional Environment, select: '**Market Simulation Fall 2023**'

CONTACT CUSTOMER SUPPORT  
TELL US HOW WE CAN HELP

\* SCID

*i*  
Review for Price Correction ☐

*i*  
Manual Reference Level Change Request ☐

\* Subject

\* Functional Environment  
--None--  
--None--  
Production  
Market Simulation  
Parallel Operations  
RC Integration  
RC Shadow Operations  
Market Simulation Spring 2023  
Market Simulation Summer 2023  
**Market Simulation Fall 2023**  
Market Simulation Independent 20  
Market Simulation Summer 2024  
Market Simulation Fall 2024  
Market Simulation Independent 20

# Market Participant Setup for Market Simulation Activities

Register for Market Simulation participation via the [MarketSim@caiso.com](mailto:MarketSim@caiso.com) mailbox starting today, 08/07/23

Confirm users are provisioned for access to participate

- Coordinate with your UAAs

Attend [Market Simulation Forum](#) to stay informed on timing of activities for this and other **Fall 2023** release initiatives

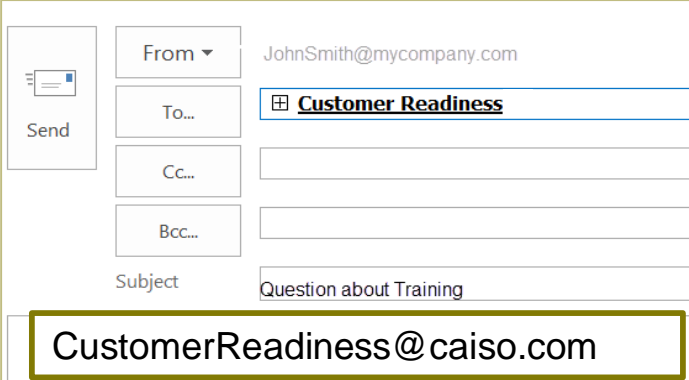
- Monday/Thursday 2pm PPT

# Final Questions

# Thank you for your participation!

For clarification on anything presented in this training, send an email to: [CustomerReadiness@caiso.com](mailto:CustomerReadiness@caiso.com)

For any other questions or stakeholder specific questions or concerns, please [submit a ticket](#).



Send

From ▾ JohnSmith@mycompany.com

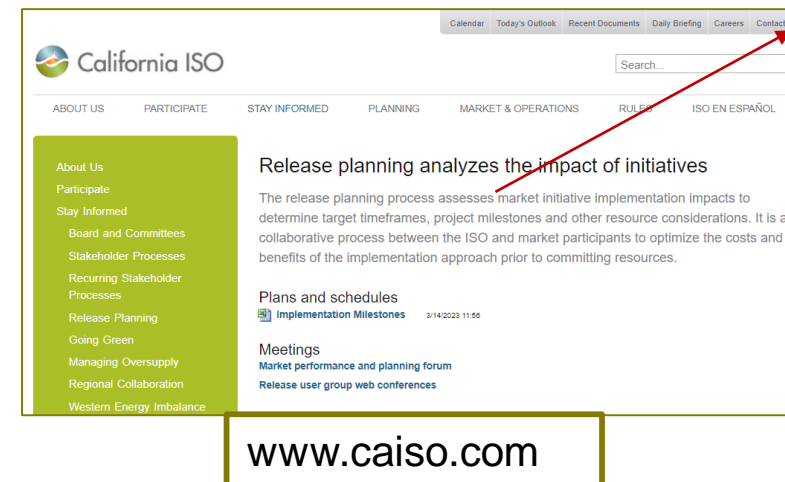
To... **Customer Readiness**

Cc...

Bcc...

Subject Question about Training

**CustomerReadiness@caiso.com**



# REFERENCE MATERIALS

# Acronyms

Abbreviation	Terms
BAA	Balancing Authority Area
BG	Branch Group
CIRA	Customer Interface for Resource Adequacy
CV	Cross Validation
LRA	Local Regulatory Area
LSE	Load Serving Entity
MW	Megawatt
OASIS	Open Access Same-Time System
RA	Resource Adequacy
RIC	Remaining Import Capability
SC	Scheduling Coordinator
SCID	Scheduling Coordinator ID

# Impacted Systems

Impacted Systems	Details
<p><b>Open Access Same-Time Interface System</b></p> <p><b>OASIS</b></p>	<p><b>Two new reports to the UI:</b></p> <ul style="list-style-type: none"> <li>- Available Import Capability</li> <li>- Import Capability Used in RA Plan</li> </ul> <p><b>New API reports:</b></p> <ul style="list-style-type: none"> <li>- Available Import Capability Data (AVAIL_IMP_CAP_GRP)</li> <li>- Import Capability used in RA Plan Data (ANNUAL_IMP_CAP_USED_RA_PLAN_GRP and MONTHLY_IMP_CAP_USED_RA_PLAN_GRP)</li> </ul>
<p><b>Customer Interface for Resource Adequacy</b></p> <p><b>CIRA</b></p>	<ul style="list-style-type: none"> <li>• Automatically calculates MIC allocations each day and publishes the allocation data each day on CIRA and OASIS.</li> <li>• Creation of two new fields in relation to "Available MIC for trading" which are "Locked" (new field) or "Unlocked".</li> <li>• SCs can input the LSE contact info and availability for the trade.</li> <li>• Provides aggregate usage by branch group level after validation of each month ahead and year ahead RA showing.</li> <li>• Provides capability to grant "same day priority" to the step 13 unallocated Remaining Import Capability (RIC) for LSEs with existing RA Contracts.</li> </ul>



## **Q1: Is the Contact information for the Import Allocation going to be made public?**

Answer: Yes. The contact info is going to be made public OASIS. The information is voluntary but if you want to let other LSEs/SCs know that you are willing to trade some of your import amounts, please update the Contact Information screen so that you can submit the MWs you're willing to trade in the Reserve Import Capability screen.

## **Q2: Will LSEs and SCs with existing Resource Adequacy (RA) receive same-day priority for RA Year 2025 or 2024? Which RA year will this new process be applied to?**

Answer: This new process will be applied to RA year 2025. For RA year 2024, please continue to use the existing submission request process via email.

## **Q3: Once this enhancement goes live on 11/01/23 , will the Reserved Import Capability screen be available for the 2024 MIC allocations for LSEs/SCs to use to trade their imports in CIRA?**

Answer: Yes. Once this enhancement goes live, the ability to trade import capability will be available for RA year 2024. Also, this information will be publicly visible in the new 'Available Import Capability' report in OASIS under the Resource Adequacy tab.

## **Q4: What does the term 'NOT ASSOCIATED' or 'Other' mean under the Jurisdiction column in the 'Import Capability RA Report Details' screen in CIRA?**

Answer: These new terms are used to break down the Resource Adequacy (RA) capacity on the enterprise by Local Regulatory Area (LRA) jurisdictions. They are brokered by two jurisdictions California Public Utility Commission (CPUC) and Non-CPUC. Providing this information allows us to be transparent. Interties that are not aggregated under the CPUC or Non-CPUC jurisdictions, are considered Scheduling Coordinators (SCs) acting on behalf of a supplier. Only LSEs are associated with the CPUC or Non-CPUC jurisdictions.

# Reference Materials

## **Business Practice Manual changes:**

Reliability Requirements - <https://bpmcm.caiso.com/Pages/BPMDetails.aspx?BPM=Reliability%20Requirements>

[PRR 1523](#) (Reliability Requirements Section 6.1.3.5)

Market Instruments - <https://bpmcm.caiso.com/Pages/BPMDetails.aspx?BPM=Market%20Instruments>

[PRR 1524](#) (Market Instrument Section 12.8)

## **Tariff changes:**

Section 40.4.6.2 Resource Adequacy Demonstration for all SCs in the CAISO BAA - <http://www.caiso.com/Documents/Section40-RADemonstration-for-SchedulingCoordinatorsintheCAISOBalancingAuthorityArea-asof-May28-2023.pdf>

**Business Requirements Specification:** <http://www.caiso.com/Documents/BusinessRequirementsSpecifications-MaximumImportCapabilityEnhancements.pdf>

## **Initiative webpage:**

<https://stakeholdercenter.caiso.com/StakeholderInitiatives/Maximum-import-capability-enhancements>

## **Market Simulation Structured Scenarios:**

<http://www.caiso.com/Documents/Market-Simulation-Structured-Scenarios-Maximum-import-capability-enhancements.pdf>

## Reference Material

Technical Specification – Located on the [ISO's Developer Site](#), which provides detailed descriptions of the API changes for:

- Open Access Same-Time Information System (OASIS)

Note: The ISO Developer site requires an account set-up if you do not already have one.