



Customer Interface for Resource Adequacy (CIRA) Enhancements

February 18, 2021

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Customer Readiness

Updated 2/17/2021

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Agenda

In this training, you will learn:

- How to upload flexible capacity survey files
- Where to view RA plan reports
- Where to view acquired resources
- Where to view third-party SC contact info
- How LSE IDs will be sourced from Master File
- Which reports are being relocated to OASIS



Definitions

Abbreviation/Term	Definition
AIM	Access and Identity Management
CIDI	Customer Inquiry Dispute & Information
CIRA	Customer Interface for Resource Adequacy
CPM	Capacity Procurement Mechanism
EIM	Energy Imbalance Market
FNM	Full Network Model
LRA	Local Regulatory Authority
LSE	Load Serving Entity
NQC	Net Qualifying Capacity
OASIS	Open Access Same-time Information System
RA	Resource Adequacy
SC	Scheduling Coordinator
UAA	User Access Administrator

Implementation Timeline

- Tune in to the following meetings for updates on the deployment to Market Sim and Production environments:
 - February 22, 2021: Reliability Requirements Customer Partnership Group
 - February 23, 2021: Release User Group

Readiness Activities

- The ISO will make sure that users are ready (have been provisioned to the appropriate LSE IDs) in time for implementation
- Prior to changes going into effect, make best effort to resolve any outstanding cross validation errors for April compliance month
- Ensure LSE RA plan, Admin Info tab reflects new LSE ID for May compliance month
- Ensure corresponding suppliers that have been contracted with have updated their supply plans to reflect the newly created LSE ID on the RA Capacity tab (Column I)



CIRA ENHANCEMENTS

Process Change: Flexible Capacity Needs Assessment

- SCs of LSEs submit flexible capacity survey files to the ISO as part of the flexible capacity needs assessment process
- The ISO determines the quantity of flexible capacity needed for the upcoming resource adequacy year and how this quantity is allocated to local regulatory authorities (LRAs)
- Previously, these survey files were submitted using the Customer Inquiry Dispute & Information (CIDI) application
- This activity will now take place within CIRA

Flexible Capacity Requirement Assessment Data Request Template (called survey files in CIRA)

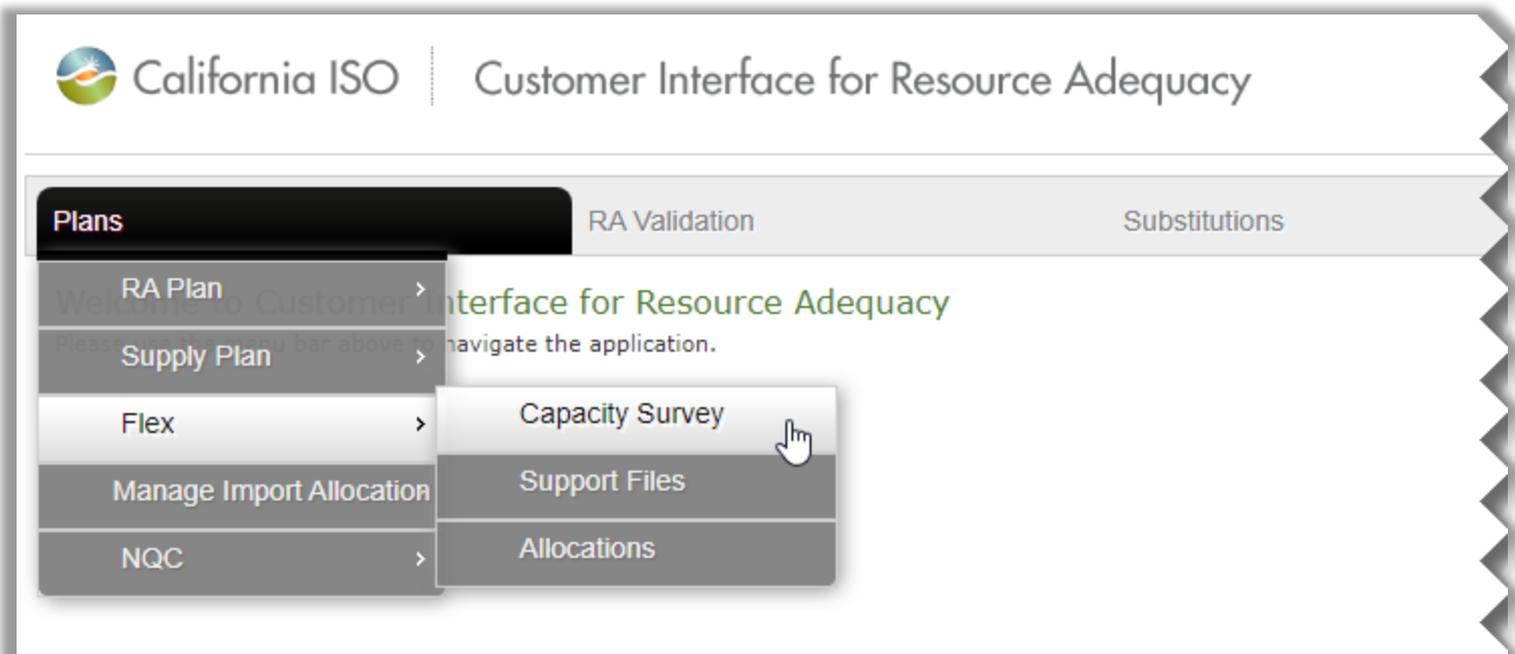
- Contact Information Tab - ensure that the LRA ID and LSE ID fields are not blank

The screenshot shows an Excel spreadsheet titled "2022FlexibleCapacityRequirementAssessmentDataRequestTemplate.xlsx". The spreadsheet is open to the "Contact Information" tab, which is highlighted in the bottom navigation bar. The spreadsheet has columns A, B, and C. Column A is labeled "CURRENT CAISO LRA ID", Column B is "CURRENT CAISO LSE ID", and Column C is "Contact Email Address". Rows 2 and 3 contain placeholder data: "LRAID" in column A, "LSEID" in column B, and "yourname@company.com" in column C. The "Contact Information" tab is highlighted in the bottom navigation bar.

	A	B	C	D	E	F	G	H
1	CURRENT CAISO LRA ID	CURRENT CAISO LSE ID	Contact Email Address					
2	LRAID	LSEID	yourname@company.com					
3	LRAID	LSEID	yourname@company.com					
4								
5								
6								
7								
8								
9								
10								
11								

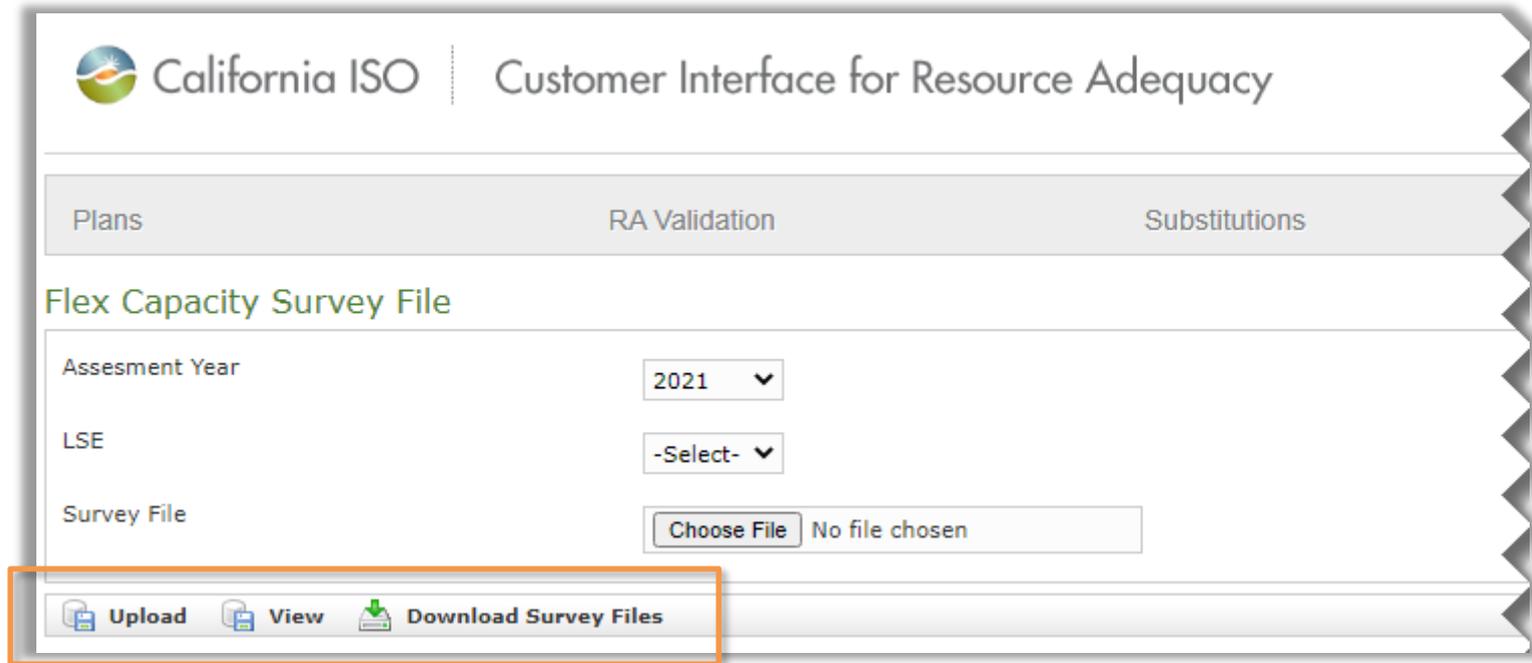
Flexible Capacity Survey Files

- Upload your flexible capacity survey file into CIRA using the following navigation path:
 - Plans > Flex > Capacity Survey



Flexible Capacity Survey Files

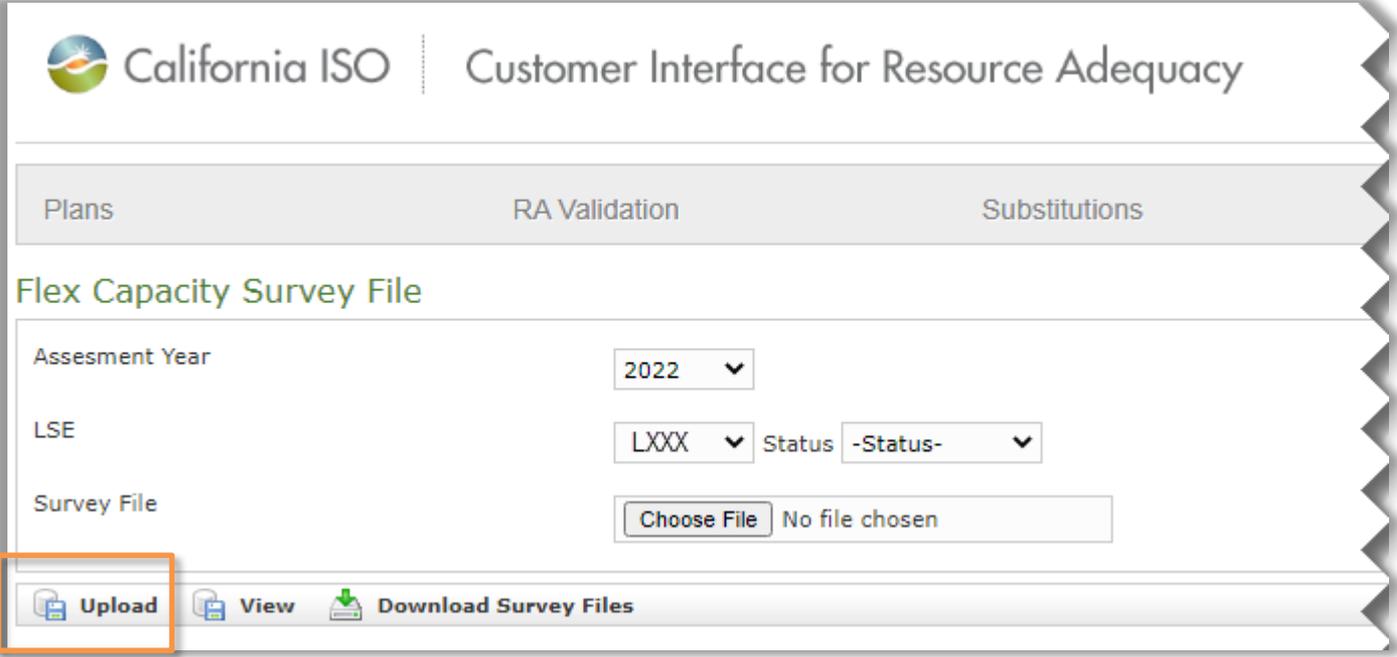
- This screen gives you the option to upload, view, or download the survey files



The screenshot displays the California ISO Customer Interface for Resource Adequacy. At the top, the California ISO logo is on the left, and the text "Customer Interface for Resource Adequacy" is on the right. Below this is a navigation bar with three tabs: "Plans", "RA Validation", and "Substitutions". The "RA Validation" tab is currently selected. Underneath the navigation bar, the section "Flex Capacity Survey File" is visible. It contains three fields: "Assesment Year" with a dropdown menu set to "2021", "LSE" with a dropdown menu set to "-Select-", and "Survey File" with a "Choose File" button and the text "No file chosen". At the bottom of the form, there is a row of three buttons: "Upload", "View", and "Download Survey Files". The "Upload" button is highlighted with an orange border.

Steps to Upload Flexible Capacity Survey Files

- Choose the appropriate LSE ID from the drop-down menu
- Click the **Choose File** button to browse for your file
- Click the **Upload** button



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Flexible Capacity Survey File (View/Download)

- Click the **View** button to see information about the survey file (e.g. assessment year, LSE, status)
- Click the **Download Survey Files** button to download the file that was submitted for the selected LSE ID

California ISO | Customer Interface for Resource Adequacy

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

Flex Capacity Survey File

Assesment Year: 2022
LSE: LXXX Status: -Status-
Survey File: Choose File No file chosen

Upload View Download Survey Files

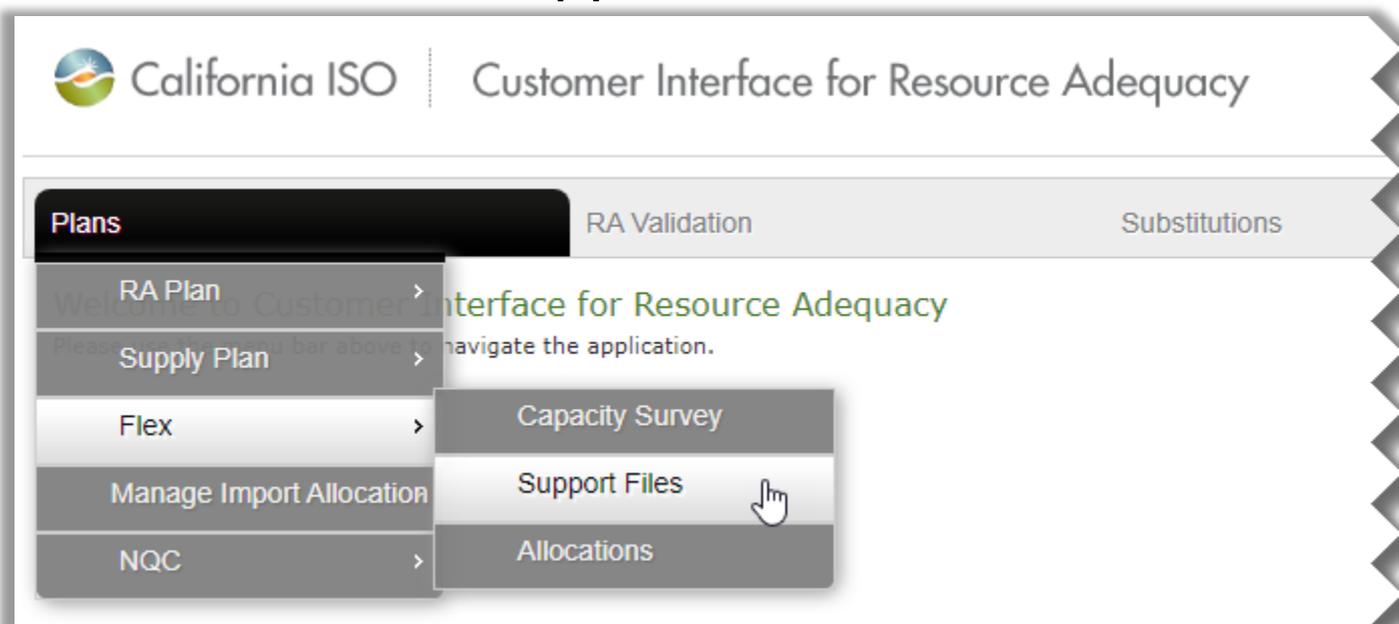
Flex Capacity Survey File Details

<input type="checkbox"/>	Assesment Year	LSE	Submission Date	Status	ISO Updated Date	ISO Comments
<input type="checkbox"/>	2022	LXXX	02/04/2021 15:47:51	APPROVED	02/04/2021 15:49:39	Test

Show 50 entries
Approve Reject Download Results

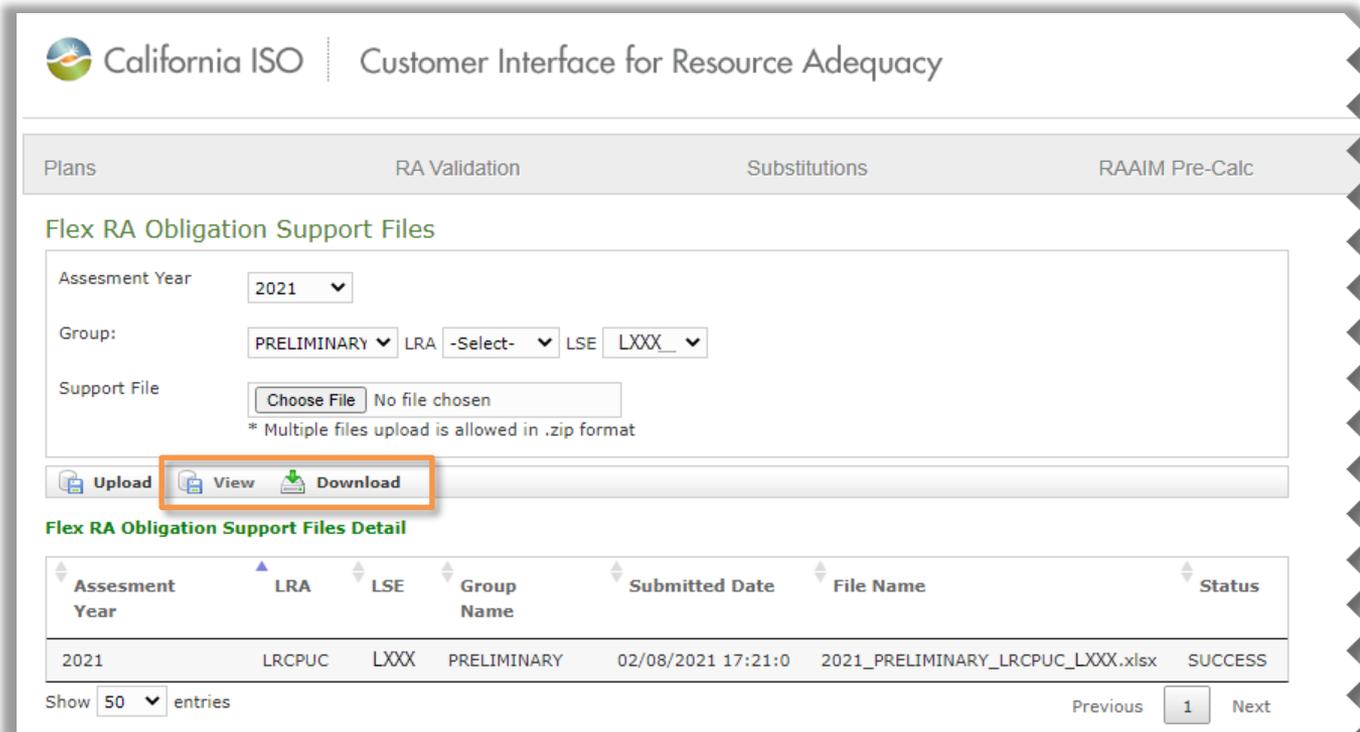
Flexible RA Obligation Support Files

- Support files provided by the ISO contain a preview of the RA obligation allocation, including background data and calculations
- Download your flexible RA obligation support files from CIRA using the following navigation path:
 - Plans > Flex > Support Files



Flexible RA Obligation Support Files (View/Download)

- Click the **View** button to see information about the support file (e.g. assessment year, LSE, status)
- Click the **Download** button to download the support file for the selected LSE ID



California ISO | Customer Interface for Resource Adequacy

Plans RA Validation Substitutions RAAIM Pre-Calc

Flex RA Obligation Support Files

Assesment Year: 2021

Group: PRELIMINARY LRA: -Select- LSE: LXXX

Support File: Choose File No file chosen
* Multiple files upload is allowed in .zip format

Upload View Download

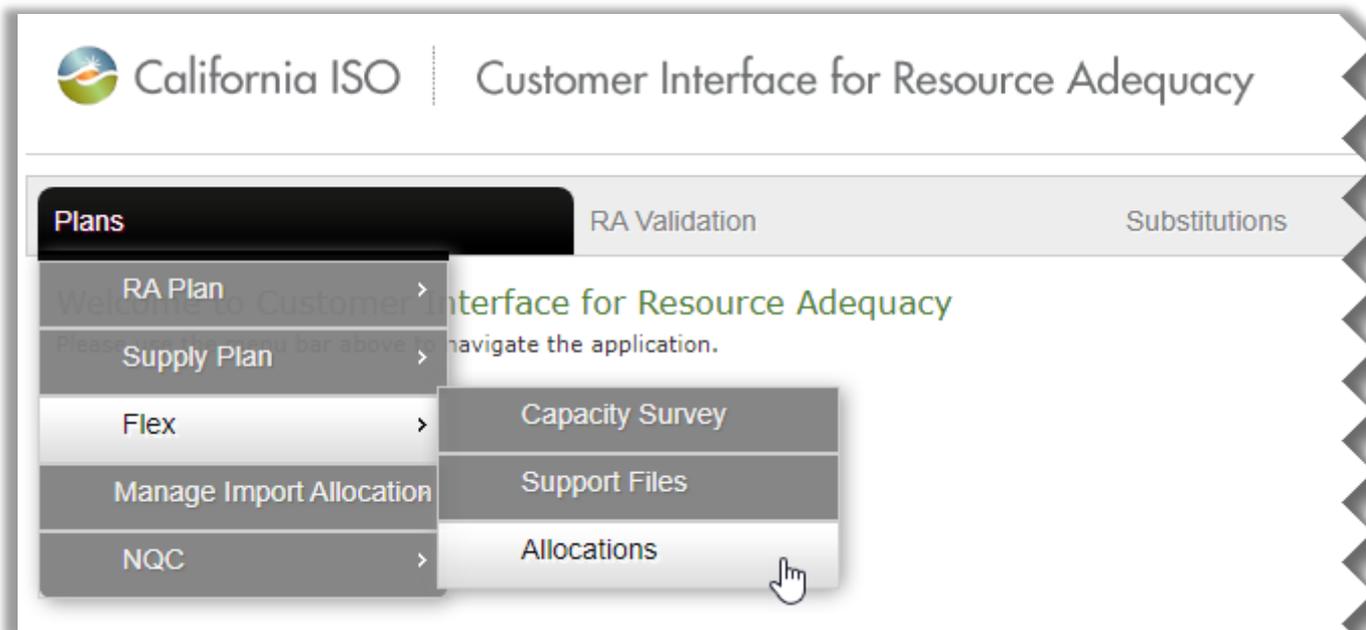
Flex RA Obligation Support Files Detail

Assesment Year	LRA	LSE	Group Name	Submitted Date	File Name	Status
2021	LRCPUC	LXXX	PRELIMINARY	02/08/2021 17:21:0	2021_PRELIMINARY_LRCPUC_LXXX.xlsx	SUCCESS

Show 50 entries Previous 1 Next

Flexible RA Obligation Allocation

- View your flexible RA obligation allocation at the following navigation path:
 - Plans > Flex > Allocations



Flexible RA Obligation Allocation (View/Download)

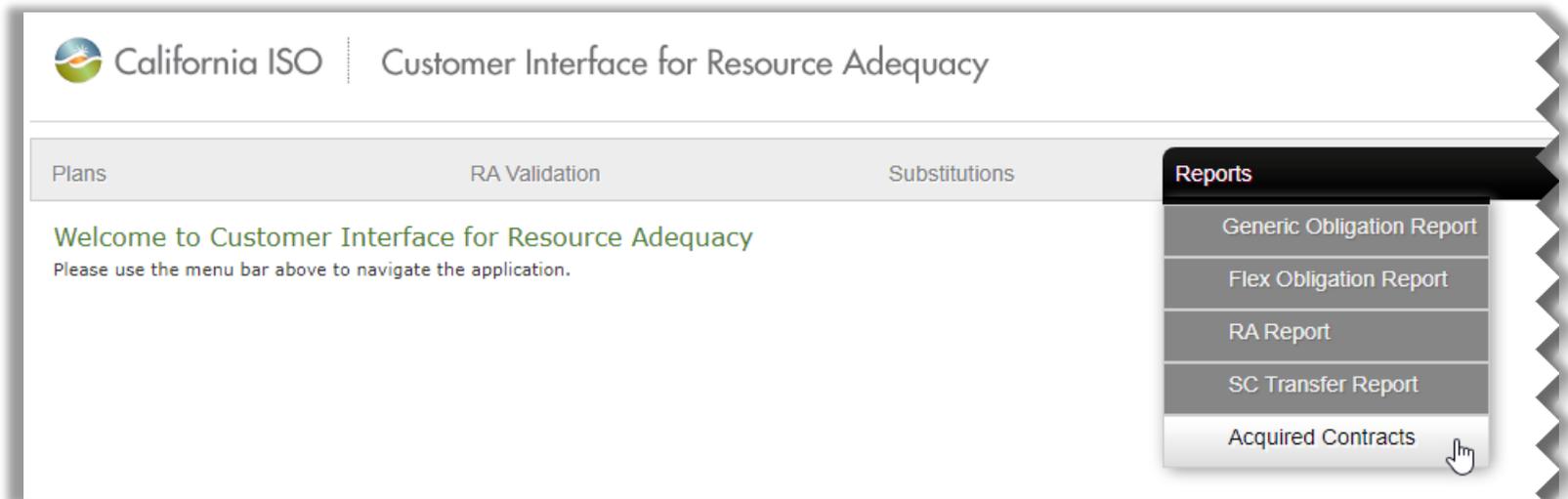
- Click the **View** button to see the flexible RA obligation allocation for the selected LSE ID
- Click the **Download** button to download the report in Excel format

The screenshot displays the California ISO Customer Interface for Resource Adequacy. The page title is "Flex RA Obligation Allocation". Below the title, there are filters for "Assessment Year" (set to 2022) and "Status" (set to LXXX). A red box highlights the "View" and "Download" buttons. Below the filters is a table titled "Flex RA Obligation Allocation Details" with the following columns: Assessment Year, LRA, LSE, Start Date, End Date, Total Requirement, Category 1, Category 2, Category 3, Comments, ISO Comments, and Status. The table contains four rows of data, all with a status of "DRAFT".

Assessment Year	LRA	LSE	Start Date	End Date	Total Requirement	Category 1	Category 2	Category 3	Comments	ISO Comments	Status
2022	LRXX	LXX	11/01/2022 00:00:0	11/30/2022 23:59:59	1.62	0.98	0.56	0.09			DRAFT
2022	LRXX	LXX	12/01/2022 00:00:0	12/31/2022 23:59:59	0.35	0.21	0.12	0.03			DRAFT
2022	LRXX	LXX	03/01/2022 00:00:0	03/31/2022 23:59:59	4076.89	2497.66	1385.09	194.14			DRAFT
2022	LRXX	LXX	08/01/2022 00:00:0	08/31/2022 23:59:59	0.56	0.35	0.18	0.03			DRAFT

Acquired Contracts Report (new report)

- Acquired contracts pre-date the RA program and have exemptions to some RA provisions
- These resources can be used to meet your RA obligation
- SCs can view the acquired contracts associated with their SCIDs at the following navigation path:
 - Reports > Acquired Contracts



Acquired Contracts Report (View/Download)

- Click the **View** button to see the acquired contracts associated with the selected SCID
- Click the **Download** button to download the report in Excel format

California ISO | Customer Interface for Resource Adequacy

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

Acquired Contracts Report

SCID: -Select- Resource:

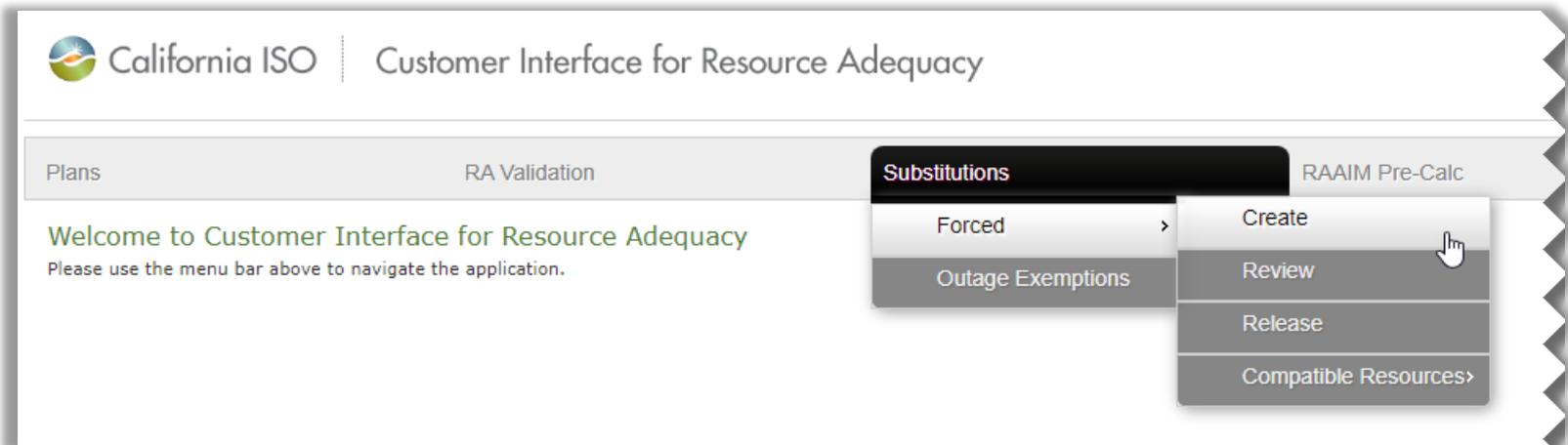
[View](#) [Download](#)

Contract Id	Resource Id	SCID	Contract Start Date	Contract End Date
...	11/14/2008 00:00:00	09/15/2041 00:00:00
...	11/14/2008 00:00:00	09/15/2041 00:00:00
...	11/14/2008 00:00:00	07/28/2041 00:00:00
...	11/14/2008 00:00:00	07/28/2041 00:00:00
...	04/01/2009 00:00:00	06/15/2027 23:59:59
...	04/01/2009 00:00:00	06/15/2027 23:59:59
...	04/01/2009 00:00:00	07/01/2036 23:59:59
...	04/01/2009 00:00:00	06/30/2025 23:59:59
...	04/01/2009 00:00:00	03/01/2029 23:59:59
...	04/01/2009 00:00:00	09/30/2017 23:59:59
...	04/01/2009 00:00:00	01/01/2023 23:59:59
...	04/01/2009 00:00:00	01/26/2021 23:59:59

Show 50 entries Previous 1 Next

Contact info for third-party SCs now available when creating forced outage substitutions

- When an RA resource has a forced outage, consistent with section 9.3.3 of the Reliability Requirements BPM, a substitution may be required for the RA impacted portion
- Forced outage substitutions are created at the following navigation path:
 - Substitutions > Forced > Create



Contact info for third-party SCs now available when creating forced outage substitutions

- When creating third-party substitutions, the name, email, and phone number of the SC will be populated using data provided from the Admin Info tab in the supply plan

Show Outages **Show/Hide Results**

Select Outage	Resource ID	Resource Name	Area	Outage ID	Outage Type	Start Date	End Date	Nature of Work	SC ID
<input type="radio"/>				7794055	FORCED	02/07/2021 00:00:00	02/11/2021 00:00:00	AMBIENT_DUE_TO_TEMP	
<input checked="" type="radio"/>				7794047	FORCED	02/03/2021 05:00:00	02/12/2021 10:00:00	ENVIRONMENTAL_RESTRICTIONS	

Forced Outages Substitute Resource Selection (For Flex Substitution, Substitute Resource must provide must offer obligation for Outage resource)

Resource ID: SC ID: Area: Resource with Non-RA capacity only Compatible Only Only Third Party Resources

Physical ITIES Substitution Type: Market Timeframe:

Substitution Start Date: Substitution End Date:

Day	02/10	02/11	02/12
Curtailement MW	49.4	29.15	29.15
Local RA MW	20	20	20
System RA MW	29.4	29.4	29.4
CPM MW	0	0	0
Total RA MW	49.4	49.4	49.4
Local Cumulative Sub Cap	0.00	0.00	0.00
System Cumulative Sub Cap	0.00	0.00	0.00
CPM Cumulative Sub Cap	0.00	0.00	0.00
Total Cumulative Sub Cap	0.00	0.00	0.00
Availability MW	29.4	29.4	29.4
Eligible Non-RA Capacity	9.21	9.21	9.21
Local Substitute MW	0	0	0
System Substitute MW	0	0	0

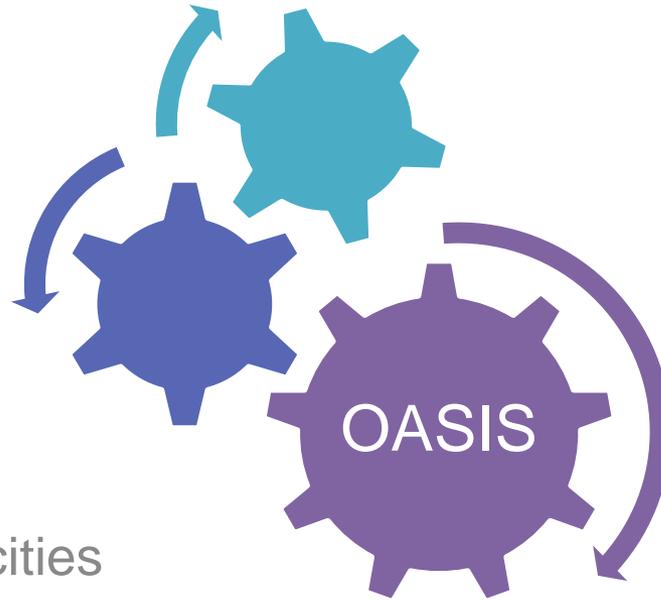
Third Party Name: Third Party Email: Third Party Phone:

Note: Substitution resource should be of same Local Capacity Area for any local Substitution

LSE IDs will be sourced from Master File

- CIRA will begin to source its list of LSE IDs from Master File
- This update requires changes to access provisioning to prevent the loss of access to upload resource adequacy (RA) plans in CIRA
- UAAs should provision your LSE ID (NOT SCID or LRA ID) for one of the following roles:
 - EXTERNAL RA READ-ONLY
 - EXTERNAL RA READ-WRITE
- *The ISO will:*
 - Contact and assist UAAs in impacted organizations to reprovision users to the new LSE IDs
 - Assist in validating that organizations have been reprovisioned prior to go-live to prevent loss of access to data within CIRA

Questions?



Net Qualifying Capacities
CPM Designations
Full Network Model Mapping Data

OASIS REPORTS

Net Qualifying Capacities Report (current location)

- The ISO provides reports on a resource's net qualifying capacity (the amount of RA capacity that an RA resource may be eligible to provide)
- Today, this report is posted to the Reliability Requirements webpage

California ISO

Search...

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Home > Planning > Reliability Requirements

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

- ⊕ 2021 Import allocations
- ⊕ 2020 Import allocations
- ⊕ Advisory estimates of future resource adequacy import capability

Net qualifying capacity (NQC) and effective flexible capacity (EFC)

Final Effective Flexible Capacity List for Compliance Year 2021	1/04/2021 11:27
Final Net Qualifying Capacity Report for Compliance Year 2021	1/14/2021 16:03
Final Net Qualifying Capacity Report for Compliance Year 2020	12/15/2020 10:35
Final Effective Flexible Capacity List for Compliance Year 2020	9/02/2020 13:20
Final Net Qualifying Capacity Report for Compliance Year 2019	12/12/2019 14:01
Final Effective Flexible Capacity List for Compliance Year 2019	8/09/2019 11:30
Final Net Qualifying Capacity Report for Compliance Year 2018	10/12/2018 10:18
Final Effective Flexible Capacity List for Compliance Year 2018	5/15/2018 08:32

Net Qualifying Capacities Report (moving to OASIS)

- The Net Qualifying Capacities report will now be posted to OASIS at the following navigation path:
 - Atlas Reference > Net Qualifying Capacities

The screenshot shows the California ISO OASIS web application. The top navigation bar includes the California ISO logo and the OASIS title. Below the navigation bar, there are several tabs: ATLAS REFERENCE, REPORT DEFINITION, PRICES, TRANSMISSION, SYSTEM DEMAND, ENERGY, ANCILLARY SERVICES, CONGESTION REVENUE RIGHTS, and PUBLIC BIDS. The ATLAS REFERENCE tab is selected, and a dropdown menu is open, listing various items. The item 'Net Qualifying Capacities' is highlighted with a mouse cursor. The main content area is empty, showing a search bar with 'Resource: All item(s)' and 'Apply' and 'Reset' buttons.

Net Qualifying Capacities Report (sample download from OASIS)

California ISO OASIS

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

Date From: 02/11/2021 To: 02/11/2021 Resource: All item(s) Apply Reset

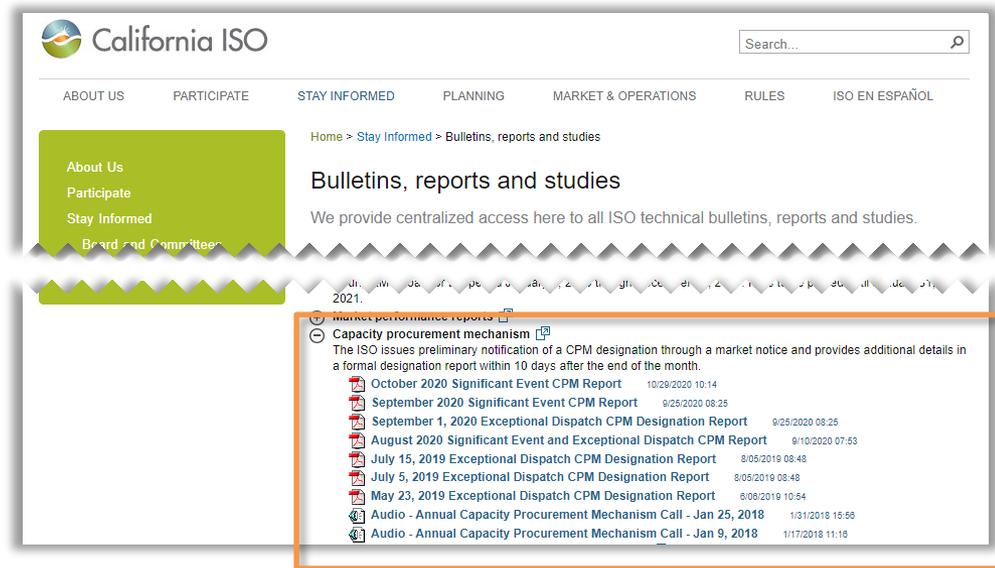
Download XML **Download CSV**

Net Qualifying Capacities
Report Generated: 02/11/2021 22:05:35

YEAR	MONTH	START_DATE_GMT	END_DATE_GMT	RESOURCE_ID	RESOURCE_NAME	AREA	NQC_MW	DISPATCHABLE	PATH26DESIGNATION	DELIVERABILITY_STATUS	DELIVERABILITY	COMMENT	GROUP
2021	JAN	2021-01-01T08:00:00-00:00	2021-02-01T08:00:00-00:00	EXAMPLEA_1_SOLAR1	ExampleA Solar	Area1	0.8 N	North	FC				1
2021	FEB	2021-02-01T08:00:00-00:00	2021-03-01T08:00:00-00:00	EXAMPLEA_1_SOLAR1	ExampleA Solar	Area1	0.6 N	North	FC				1
2021	MAR	2021-03-01T08:00:00-00:00	2021-04-01T07:00:00-00:00	EXAMPLEA_1_SOLAR1	ExampleA Solar	Area1	3.6 N	North	FC				1
2021	APR	2021-04-01T07:00:00-00:00	2021-05-01T07:00:00-00:00	EXAMPLEA_1_SOLAR1	ExampleA Solar	Area1	3 N	North	FC				1
2021	MAY	2021-05-01T07:00:00-00:00	2021-06-01T07:00:00-00:00	EXAMPLEA_1_SOLAR1	ExampleA Solar	Area1	3.2 N	North	FC				1
2021	JUN	2021-06-01T07:00:00-00:00	2021-07-01T07:00:00-00:00	EXAMPLEA_1_SOLAR1	ExampleA Solar	Area1	6.2 N	North	FC				1
2021	JUL	2021-07-01T07:00:00-00:00	2021-08-01T07:00:00-00:00	EXAMPLEA_1_SOLAR1	ExampleA Solar	Area3	4.17 N	North	PD		50%		1
2021	AUG	2021-08-01T07:00:00-00:00	2021-09-01T07:00:00-00:00	EXAMPLEA_1_SOLAR1	ExampleA Solar	Area3	4.1 N	North	PD		50%		1
2021	SEP	2021-09-01T07:00:00-00:00	2021-10-01T07:00:00-00:00	EXAMPLEA_1_SOLAR1	ExampleA Solar	Area3	3.34 N	North	PD		50%		1
2021	OCT	2021-10-01T07:00:00-00:00	2021-11-01T07:00:00-00:00	EXAMPLEA_1_SOLAR1	ExampleA Solar	Area3	2.94 N	North	PD		50%		1
2021	NOV	2021-11-01T07:00:00-00:00	2021-12-01T08:00:00-00:00	EXAMPLEA_1_SOLAR1	ExampleA Solar	Area3	0.01 N	North	PD		50%		1
2021	DEC	2021-12-01T08:00:00-00:00	2022-01-01T08:00:00-00:00	EXAMPLEA_1_SOLAR1	ExampleA Solar	Area3	0 N	North	PD		50%		1
2021	JAN	2021-01-01T08:00:00-00:00	2021-02-01T08:00:00-00:00	EXAMPLEB_4_SOLAR	BExample Solar	Area3	0.8 N	South	FC				2
2021	FEB	2021-02-01T08:00:00-00:00	2021-03-01T08:00:00-00:00	EXAMPLEB_4_SOLAR	BExample Solar	Area2	0.29 N	South	FC				2
2021	MAR	2021-03-01T08:00:00-00:00	2021-04-01T07:00:00-00:00	EXAMPLEB_4_SOLAR	BExample Solar	Area2	1.36 N	South	FC				2
2021	APR	2021-04-01T07:00:00-00:00	2021-05-01T07:00:00-00:00	EXAMPLEB_4_SOLAR	BExample Solar	Area2	6.64 N	South	FC				2
2021	MAY	2021-05-01T07:00:00-00:00	2021-06-01T07:00:00-00:00	EXAMPLEB_4_SOLAR	BExample Solar	Area2	6.1 N	South	FC				2
2021	JUN	2021-06-01T07:00:00-00:00	2021-07-01T07:00:00-00:00	EXAMPLEB_4_SOLAR	BExample Solar	Area3	8.96 N	North	ID		10		2
2021	JUL	2021-07-01T07:00:00-00:00	2021-08-01T07:00:00-00:00	EXAMPLEB_4_SOLAR	BExample Solar	Area3	8.34 N	North	ID		10		2
2021	AUG	2021-08-01T07:00:00-00:00	2021-09-01T07:00:00-00:00	EXAMPLEB_4_SOLAR	BExample Solar	Area3	8.2 N	North	ID		10		2
2021	SEP	2021-09-01T07:00:00-00:00	2021-10-01T07:00:00-00:00	EXAMPLEB_4_SOLAR	BExample Solar	Area3	6.68 N	North	ID		10		2
2021	OCT	2021-10-01T07:00:00-00:00	2021-11-01T07:00:00-00:00	EXAMPLEB_4_SOLAR	BExample Solar	Area3	5.88 N	North	ID		10		2
2021	NOV	2021-11-01T07:00:00-00:00	2021-12-01T08:00:00-00:00	EXAMPLEB_4_SOLAR	BExample Solar	Area3	0.01 N	North	ID		10		2
2021	DEC	2021-12-01T08:00:00-00:00	2022-01-01T08:00:00-00:00	EXAMPLEB_4_SOLAR	BExample Solar	Area3	0 N	North	ID		10		2

CPM Designations Report (current location)

- The ISO procures backstop RA capacity as part of the capacity procurement mechanism (CPM) process
- Part of the process includes posting a report with details of the CPM
- Today, this report is posted to the Bulletins, Reports and Studies webpage



California ISO

ABOUT US PARTICIPATE STAY INFORMED PLANNING MARKET & OPERATIONS RULES ISO EN ESPAÑOL

Home > Stay Informed > Bulletins, reports and studies

Bulletins, reports and studies

We provide centralized access here to all ISO technical bulletins, reports and studies.

Market performance reports

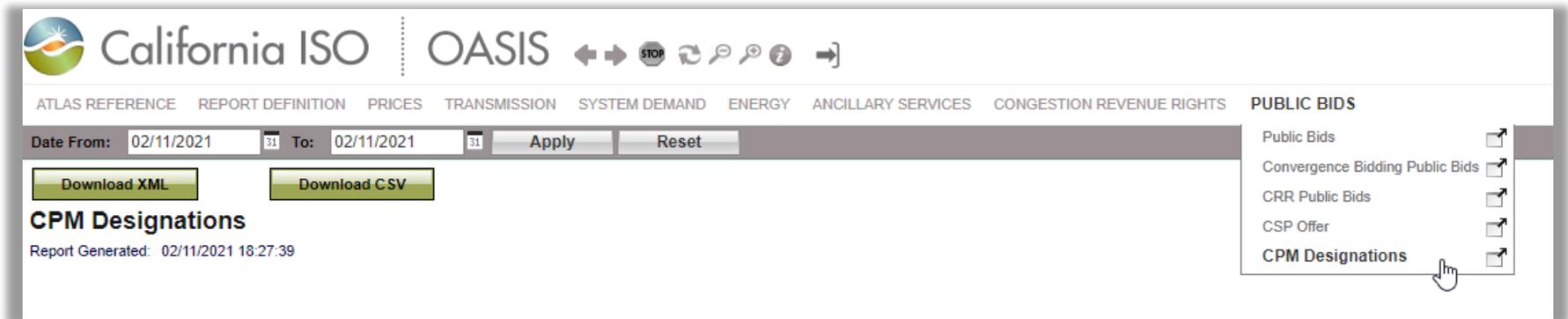
Capacity procurement mechanism

The ISO issues preliminary notification of a CPM designation through a market notice and provides additional details in a formal designation report within 10 days after the end of the month.

October 2020 Significant Event CPM Report	10/29/2020 10:14
September 2020 Significant Event CPM Report	9/25/2020 08:25
September 1, 2020 Exceptional Dispatch CPM Designation Report	9/25/2020 08:25
August 2020 Significant Event and Exceptional Dispatch CPM Report	9/10/2020 07:53
July 15, 2019 Exceptional Dispatch CPM Designation Report	8/05/2019 08:48
July 5, 2019 Exceptional Dispatch CPM Designation Report	8/05/2019 08:48
May 23, 2019 Exceptional Dispatch CPM Designation Report	6/08/2019 10:54
Audio - Annual Capacity Procurement Mechanism Call - Jan 25, 2018	1/31/2018 15:56
Audio - Annual Capacity Procurement Mechanism Call - Jan 9, 2018	1/17/2018 11:16

CPM Designations Report (moving to OASIS)

- The CPM Designations report will now be posted to OASIS at the following navigation path:
 - Public Bids > CPM Designations
- These reports are published when a CPM occurs
 - The report may show up in both places before we cut over to OASIS only



The screenshot displays the California ISO OASIS web application interface. At the top, the California ISO logo is on the left, and the OASIS logo is in the center. Below the logos is a navigation menu with tabs for ATLAS REFERENCE, REPORT DEFINITION, PRICES, TRANSMISSION, SYSTEM DEMAND, ENERGY, ANCILLARY SERVICES, CONGESTION REVENUE RIGHTS, and PUBLIC BIDS. The PUBLIC BIDS tab is selected. Below the navigation menu, there is a date range filter set to 02/11/2021 to 02/11/2021, with Apply and Reset buttons. Below the date filter are two buttons: Download XML and Download CSV. The main content area shows the title "CPM Designations" and the text "Report Generated: 02/11/2021 18:27:39". On the right side, there is a sidebar menu with the following items: Public Bids, Convergence Bidding Public Bids, CRR Public Bids, CSP Offer, and CPM Designations. A mouse cursor is pointing at the CPM Designations item in the sidebar menu.

CPM Designations Report (sample download from OASIS)

The screenshot shows the OASIS web interface. At the top, there is a navigation menu with options: ATLAS REFERENCE, REPORT DEFINITION, PRICES, TRANSMISSION, SYSTEM DEMAND, ENERGY, ANCILLARY SERVICES, CONGESTION REVENUE RIGHTS, and PUBLIC BIDS. Below the menu, there are date selection fields: "Date From: 02/11/2021" and "To: 02/11/2021", with "Apply" and "Reset" buttons. Two buttons are visible: "Download XML" and "Download CSV", with the "Download CSV" button highlighted by an orange box. Below the buttons, the text "CPM Designations" and "Report Generated: 02/12/2021 00:28:34" is displayed.

The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H	I	J	K
1	RESOURCE_ID	RESOURCE_NAME	PERIOD_TYPE	CPM_TYPE	CPM_MW	ACCEPTED_OFFER_PRICE	DESIGNATION_START_DATE	DESIGNATION_END_DATE	DURATION	DESIGNATION_DETAILS	GROUP
2	CPMGEN_1_UNIT	EXAMPLE 1 PLANT	MONTHLY	ED	2.2	90	2021-02-01T08:00:00-00:00	2021-03-01T07:59:59-00:00	28		1
3	CPMGEN_2_UNIT	Wind Farm	ANNUAL	ED	10	1000	2021-01-01T08:00:00-00:00	2022-01-01T07:59:59-00:00	365		2
4	CPMGEN_3_UNIT	CPM TEST GEN	INTRAMONTHLY	ED	10	0	2020-12-08T02:00:00-00:00	2021-02-06T07:59:59-00:00	60		3
5	CPMGEN_3_UNIT	CPM TEST GEN	INTRAMONTHLY	ED	10	0	2020-12-08T02:00:00-00:00	2021-02-06T07:59:59-00:00	60		3
6	CPMGEN_4_UNIT1X2	AGGREGATE RESOURCE	MONTHLY	COLDEF	20	12000	2021-02-01T08:00:00-00:00	2021-03-01T07:59:59-00:00	28		4
7	CPMGEN_5_UNIT2	Power Plant	INTRAMONTHLY	ED	14.5	7310	2020-12-22T02:00:00-00:00	2021-02-20T07:59:59-00:00	60		5
8	CPMGEN_6_UNIT2	Energy Resource Unit 2	INTRAMONTHLY	ED	25	7310	2020-12-22T02:00:00-00:00	2021-02-20T07:59:59-00:00	60		6
9											
10											

Full Network Model Mapping Data (current location)

- The ISO's full network model defines system parameters, price node and market scheduling limit mappings, and planned network model updates
- Today, the full network model mapping data is posted to the Network and Resource Modeling webpage

Note: This OASIS change is unrelated to CIRA Enhancements

California ISO

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Home > Market Operations > Network and Resource Modeling

Accurate network modeling supports efficient market operations

Modeling is based on detailed information for transmission network elements, resources and entities participating in the wholesale market.

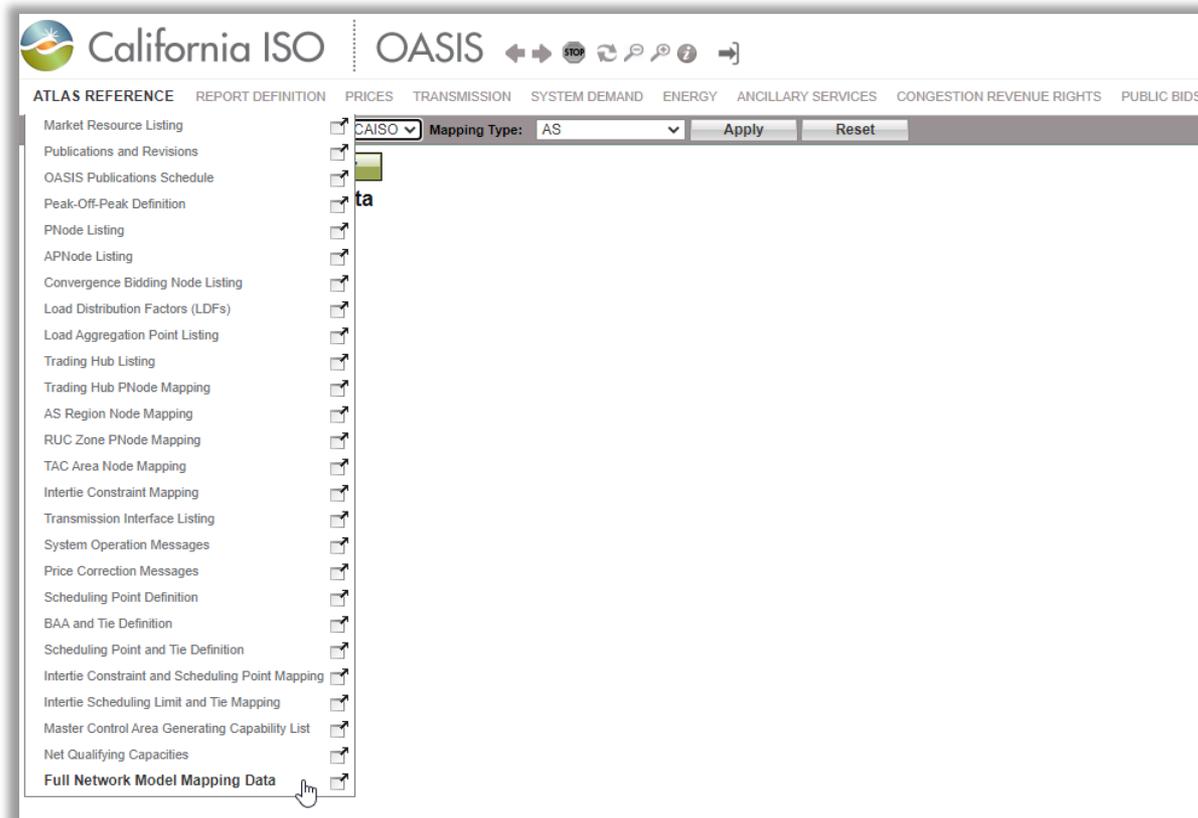
Requirements
ISO Tariff
Business Practice Manual for Managing Full Network Model

Network model changes and pricing node mapping

- Full Network Model Work Scope DB21M3 1/07/2021 15:08
- Full Network Model Pricing Node Mapping (based on DB21M2 with EIM) 2/02/2021 09:30
- Full Network Model Pricing Node Mapping (based on Full Network Model Release DB21M2) 2/02/2021 09:31
- Change From Full Network Model DB20M12 to Full Network Model DB21M2 2/02/2021 09:30
- Full Network Model Work Scope DB21M2 2/02/2021 09:30
- Full Network Model Pricing Node Mapping (based on DB20M12 with EIM) 12/07/2020 09:25
- Full Network Model Pricing Node Mapping (based on Full Network Model Release DB20M12) 12/07/2020 09:25
- Change From Full Network Model DB20M10 to Full Network Model DB20M12 12/07/2020 09:25
- Full Network Model Work Scope DB20M12 12/07/2020 09:24

Full Network Model Mapping Data (moving to OASIS)

- The Full Network Model Mapping Data will now be posted to OASIS at the following navigation path:
 - Atlas Reference > Full Network Model Mapping Data



Full Network Model Mapping Data (Choose report parameters)

- Select the **FNM Version**
- Choose the **Market** (CAISO or EIM)
- Choose the **Mapping Type**

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ATLAS REFERENCE REPORT DEFINITION PRICES TRANSMISSION SYSTEM DEMAND ENERGY ANCILLARY SERVICES CONGESTION

FNM Version: DB20M9 Market: CAISO Mapping Type: AS

Download XML Download CSV

Full Network Model Mapping Data

Report Generated: 02/05/2021 17:07:49

Mapping Type dropdown options: AS, GEN_RES, GEN_RES_AGGR, LAP, POR, TH, TIE_RES, TIE_RES_AGGR, TIE_TNAME

Full Network Model Mapping Data – Sample Report Mockup*

The data provided on each report will vary based on the Mapping Type selected. For example:

GEN_RES

RES TYPE	UDC ID	RES ID	RES NAME	PNODE	BUS ID	FNM VERSION	RELEASE DATE	GROUP

LAP

UDC ID	LAP ID	RES TYPE	LAP APNODE ID	RES ID	CNODE ID	BUS ID	LDF ON PEAK	LDF OFF PEAK	FNM VERSION	RELEASE DATE	GROUP

*(Sample field names adjusted for readability.)

Questions?

Evaluation Survey

- Please take a moment to complete the training survey
- Link is provided in the chat pod





Thank you for your participation!

For more detailed information on anything presented, please
visit our website at:

www.caiso.com

Or send an email to:
CustomerReadiness@caiso.com

REFERENCE MATERIAL

Reference Material

- 2022 Flexible Capacity Requirement Assessment Data Request Template:
 - <http://www.caiso.com/Documents/2022FlexibleCapacityRequirementAssessmentDataRequestTemplate.xlsx>
- ISO Developer Site (for technical specs)
 - <https://developer.caiso.com/>
- Provisioning Access to CIRA (training slides)
 - <http://www.caiso.com/Documents/Presentation-Customer-Interface-Resource-Adequacy-Provisioning.pdf>
- Provisioning Access to CIRA (recorded presentation)
 - <https://youtu.be/8vRoPT6OALg>
- Reliability Requirements/Resource Adequacy page
 - <http://www.caiso.com/planning/Pages/ReliabilityRequirements/Default.aspx>