



California ISO

RIMS User Guide

Document Owner: **Le Vine, Debi**

 California ISO	Technology	Template Version:	1
		Document Version:	2.2
RIMS User Guide		Date Created:	5/4/2020

REVISION HISTORY

VERSION NO. (Must match header)	DATE	REVISED BY	DESCRIPTION
1.0	2/25/2016	Nancy Strouse	Document was created for Application and Study module.
2.0	4/17/2018	Nancy Strouse	Document was updated for MPAI module.
2.1	3/10/2020	Marissa Arechavaleta	Addition of Section 7.4.2.
2.2	5/4/2020	Nancy Strouse	Edit to Section 6.1 per input from ITPM. Format to edits in Sections 6.1 and 7.4.2. Updated document owner.

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1 Introduction

The Resource Interconnection Management System (RIMS) is a secure, web-based database application used to track and manage data from Interconnection Requests in the CAISO queue through energizing the generating facility and requesting modifications post-commercial operation date of the generating facility. Electronic submission of interconnection requests and New Resource Implementation (NRI) data is accomplished via the user interface in RIMS. RIMS allows users to view project details, access uploaded documents, upload documents, and view contact information for projects.

RIMS is updated daily by various CAISO departments with information as it is received from the Participating Transmission Owners (PTO) or Interconnection Customers (IC).

This user guide will provide access instructions, features, and actions performed in the RIMS application.

For additional information on NRI, refer to the [New Resource Implementation](#) page on the [CAISO website](#).

2 Acronyms

Acronym	Expansion
ADNU	Area Delivery Network Upgrade
AIM	Access and Identity Management
BD	Business Day
BPM	Business Practice Manual
CAISO	California ISO
CD	Calendar Day
CMA	CAISO Multiple Application
COD	Commercial Operation Date
FC	Full Capacity (deliverability status)
FT	Fast Track
GIA	Generator Interconnection Agreement
IC	Interconnection Customer
IF	Interconnection Facility
IFS	Interconnection Financial Security
IR	Interconnection Request
ISO	Independent System Operator
ISP	Independent Study Process
LDNU	Local Delivery Network Upgrade
MPAI	Market Participant Asset Implementation
NRI	New Resource Interconnection
NU	Network Upgrade

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Acronym	Expansion
PCDS	Partial Capacity Deliverability Status
POC	Point of Contact
POI	Point of Interconnection
PTO	Participating Transmission Owner
QF	Qualifying Facility
RIG	Remote Intelligent Gateway
RNU	Reliability Network Upgrade
TP	Transmission Plan
UAA	User Access Administrator
WDAT	Wholesale Distribution Access Tariff

3 Application Access

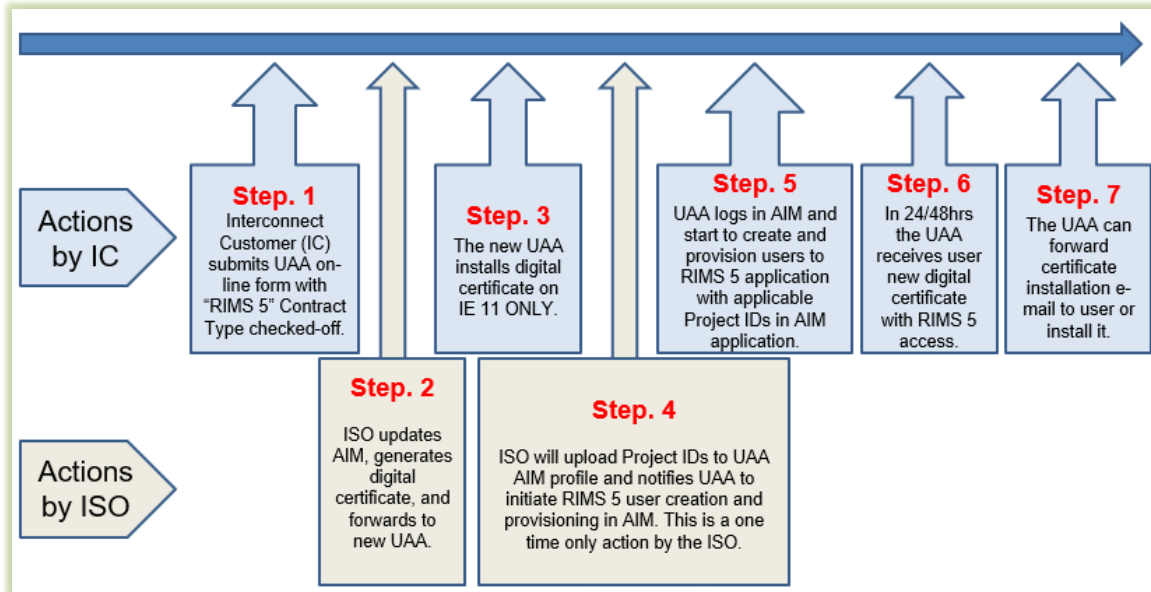
RIMS is a web-based application with role-based access that uses the CAISO Multiple Application (CMA) digital certificates for authentication. In order to gain access to RIMS, users must work with their organization points of contact (POCs) to utilize the Access and Identity Management (AIM) application for access. The processing time can be one to two weeks.

3.1 User Access Administrator

The user access administrator (UAA) is an organization's designated POC for providing access to CAISO applications for all of that organization's users. The UAA is responsible for managing the secure digital certificates for that organization.

The UAA must complete the [Access Administrator Agreement](#) found on the CAISO website.

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3.2 User Certification for CAISO Applications

To gain access to CAISO applications:

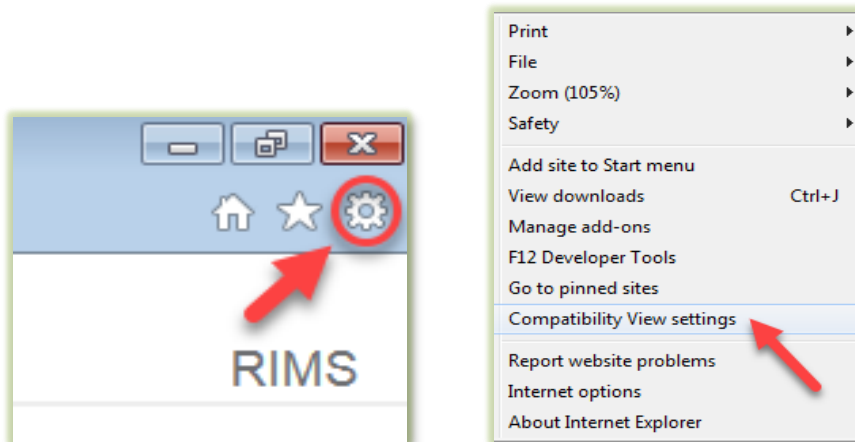
1. Have the UAA give authorization to obtain a digital certificate.
2. The UAA will receive an e-mail from do-not-reply@cybertrust.com. (Add do-not-reply@cybertrust.com to your e-mail safe senders list.) The e-mail will contain further instructions for certification:
 - a. **Register** the certificate.
 - b. **Collect** the certificate.

After gaining certificate access to the application, navigate to RIMS via the [Market Participant Portal](#) on CAISO.com. Click the **RIMS** icon to open the application.

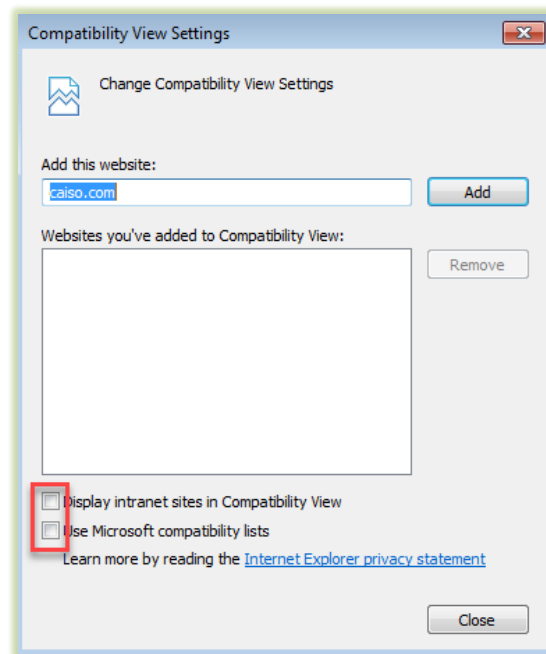


RIMS should not be run using Internet Explorer's Compatibility View. Adjust the user settings by clicking the cog icon  on the RIMS user interface.

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Uncheck the display selection boxes on the Compatibility View Settings pop-up page.



3.3 Certification Request History

To check the status of an access request, the UAA must:

1. Access AIM and navigate to the **Access Request** tab.
2. Click **Request History**.

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- Click on an individual line item in the **Access Request** panel.
- Review the **Status** column for each line item to verify that the requested access was granted.

Status	Description
Submitted	The access request has been submitted and is waiting for the approval process to run.
Approved	The access request has been approved and is waiting to be processed.
Processing	The access request is being processed.
Completed	The access request has been completed and the user can now access the application.
Rejected	The access request has been rejected and will not be processed. See the notes column for the reason it was rejected.

3.4 Certification Management

To renew or let the certificate expire, the UAA will need to:

- Access AIM and navigate to **Certificate Renewal**.
- View the **Users with Expiring Certificates** list.
- Click **Renew** or **Let Expire** under the **Cert Action** column.

4 RIMS Users

The Access and Identity Management (AIM) system provisions all access for the RIMS application. All new distribution level requests and interconnection customer (IC) requests funnel through the CAISO AIM process. User access can take up to several days to complete. Once the user has gained access via AIM, they can see their projects and share access information. The User Access Administrator (UAA) manages the RIMS certificates for a project and assigns users to project codes.

5 Registration

To interconnect a generating facility to the CAISO controlled grid, an interconnection request must be submitted to the CAISO on the [RIMS public site](#). These requests are for interconnections that must go through the CAISO resource planning process. This does not apply to distribution connected resources that have already gone through the utility planning process. If so, refer to [Section 7.4](#) in this guide.

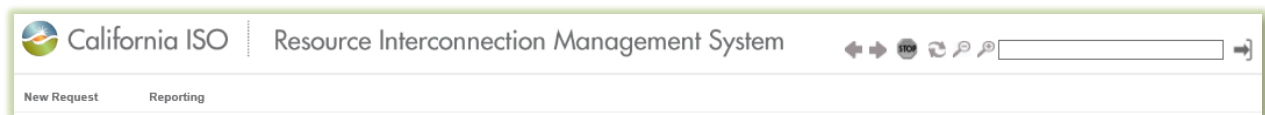
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Note: The window for entering the interconnection queue is announced via notice to market participants and opens on April 1 of each year.

To submit an interconnection registration request:

1. Click the link to access the [RIMS public site](#).



2. Once the window opens, the New Request screen will appear.
3. Complete the **New Request** form and click **Register**.
4. A registration code will be sent to the e-mail address submitted with the request.
5. Copy/paste the registration code into the **Retrieve Request** portion of the form. A more detailed explanation of the project details form can be found in [Section 6.4 New Request](#).

The Reporting tab of the RIMS public site allows the user to download generator project reports in Excel or PDF format as well as IR submittal results.

New Request

First Name:

Last Name:

Email:

Confirm Email:

Requested Project Name:

Request Type:

Register

Retrieve Request

Registration Code:

Submit

Resource Interconnection Management System (RIMS) is the CAISO's system for tracking several different interconnection processes at the CAISO. A training presentation for RIMS is available [here](#).

Queue Viewing Instructions

1. Click on "Reporting" tab in top left corner of this screen.
2. Once you are on the report dashboard, use scroll bar on bottom to view information on the right side of the report screen.
3. Use Action Toolbar icons at top left of report dashboard to customize the view. Expand the following section to view the details.
4. Export the report to Excel to further evaluate data.
5. Link to more information: [RIMS User Guide for App & Study Module](#)

App & Study Module (Interconnection Request)


CAISO Queue Interconnection Requests are tracked in the App & Study Module. Click [here](#) for process guidance and forms. Please select the "Interconnection Request" request type at the left to submit this type of project.

1. Fill in the "New Request" section above to receive a registration code via email that will allow you to upload an Interconnection Request or Project Details Form and associated documents. This only needs to be done once for each project to be submitted.

2. Once a registration code is received, paste it into "Registration Code" field to upload required project files.

6. Click **Upload Project Files**  to browse the completed project details form.

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7. Click **Refresh**  if the file is not visible on the Uploaded Files screen.
8. When fields have been successfully completed, check the box and click **Submit**

Registration for Validation

Submit Registration for Validation

9. To upload a document at a different time before submission, click **Save As Draft**

Save As Draft

Inventory of Documents to Upload

Document Type

Appendix DD Appendix 1 - Interconnection Request
Attachment A to Appendix 1 - Generating Facility Data
Evidence of Site Exclusivity, including names, addresses, and contact information of site owner(s)
Site drawing to scale
Single-line diagram
Plot of generator terminal voltage vs field current
Block diagram of excitation system
Load Flow Model (*.epc)
Dynamic Model (*.dyd)
Google Map (*.kmz) showing project site
Manufacturers Specifications (optional)
Reactive Power Curve (optional)
Storage Supplemental Data Sheet (sheet supplied to IC after initial IR submission)
Other

Project Types

All
All
All
Synchronous
Synchronous
All
All
SCE project only
Optional
Optional
Storage
As needed

Save As Draft

☐ By checking this box, you understand that electronic submission is not considered a complete and/or valid Interconnection Request until the CAISO provides acknowledgement within ten (10) Business Days of receipt that the Interconnection Request, which includes the timely receipt of study deposit funds, is deemed complete and/or valid pursuant to CAISO Tariff Appendix DD Section 3.5.2. In the event that the CAISO identifies any deficiencies in the interconnection request, you will have an opportunity to cure pursuant to Appendix DD Section 3.5.2.2.

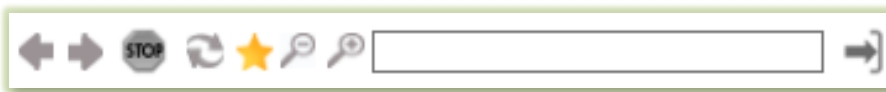
Submit Registration for Validation

6 Features of the User Interface










This section describes tools to help the user navigate and perform actions within RIMS.

6.1 Application Toolbar














The application toolbar contains the application or browser-based functions for navigating the application. These functions are located above the ribbon. Hover and right click over the tool to view the function. Click to choose a function.



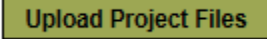


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Application Toolbar		
Tool	Tool Name	Function
	Previous	Goes to the previous display in browsing history
	Next	Goes to the next display in browsing history
	Stop Loading	Stops loading the current display
	Refresh Current Display	Refreshes the display in the current window
	User Displays	Reverts to original display, creates user display, or organizes user displays
	Zoom Out	Zoom out
	Zoom In	Zoom in
	Edit	Enable edit or debug feature
	Close Application	Log out of application

6.2 Action Toolbar

Action Toolbar		
Tool	Tool Name	Function
	Edit	Update the project information on the dashboard
	Restore Sort	Restores default order of rows and columns
	Advance Filter	Advance filter for columns
	Reset Advance Filter	Resets advance Filter for columns
	Cancel	Cancel action
	Inline Filter	Inline filter for columns
	Export	Export current tab to Excel spreadsheet
	Adjust Columns	Add or remove columns from view
	First Page	Go to the first page
	Previous Page	Go to the previous page
	Next Page	Go to the next page
	Last Page	Go to the last page
	Go	Go to the specified Nth row


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Action Toolbar		
Tool	Tool Name	Function
	Upload Project Files	Upload a file or files to the module
	SharePoint Link	Download the file for viewing
	I Accept (SC)	Acknowledge the disclaimer in order to complete the SC selection

6.3 Actions in RIMS

On each RIMS screen is an action toolbar. The features on the action toolbar allow the user to perform specific tasks within the screen based on the access the user has (e.g., read or read/write).


This section describes the functions for each tool. Navigate to the desired screen to view these tools. Click the desired tool to perform the action.



Restore Sort: Columns may be sorted in any order, allowing the user to customize columns in each screen. The Restore Sort tool  allows the user to restore the column order to the default setting.

Advance Filter: The Advance Filter tool  allows the user to further filter the columns with values and conditions for each request. The user can update the columns with desired filters and click **Update** .

Reset Advanced Filter: The Reset Advanced Filter tool  resets the default for the Advance Filter.

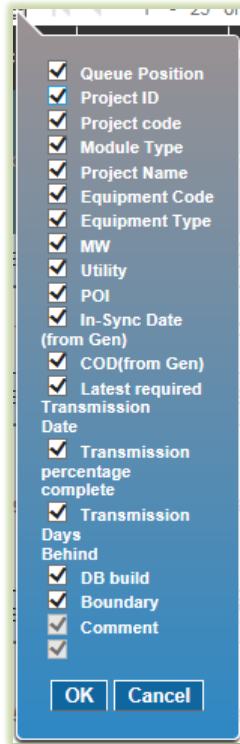
Cancel: Click **Cancel**  to undo the filter.

Inline Filter: The Inline Filter tool  allows the user to filter projects horizontally, grouping each column as needed. Select desired filter and <Enter>.

Export: The Export tool   allows the user to export information on the desired screen to an Excel spreadsheet.

Adjust Columns: The Adjust Columns tool  allows the user to customize columns that are visible or hidden from view by selecting the columns desired and clicking **OK**.

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First Page: This returns the search results to the first page if there are multiple pages.

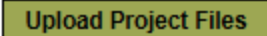
Previous Page: This returns the search results to the previous page if there are multiple pages.


Next Page: This advances the search results to the next page if there are multiple pages.

Last Page: This advances the search results to the last page if there are multiple pages.


Go: This advances the search results to a specific page number if there are multiple pages. Insert the desired page number and click **Go** .

Upload Project Files: To upload files to RIMS, Click **Upload Project Files**

 and select the file to be uploaded.

SharePoint Link: Click **SharePoint Link**  to download the file for viewing. Changes to the file must be uploaded to RIMS again.

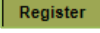
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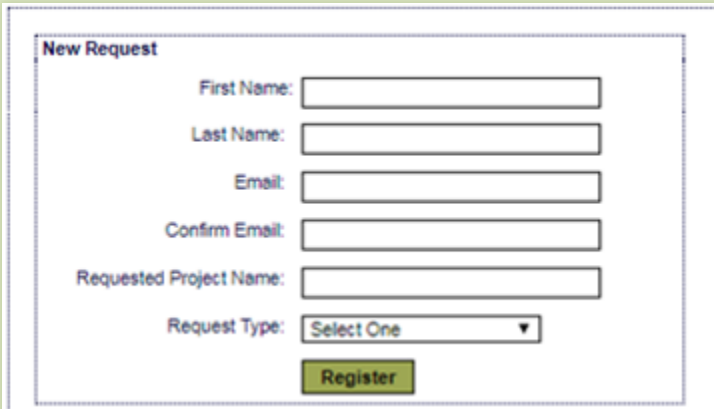
I Accept (SC): Click **I Accept (SC)**  to acknowledge the disclaimer to complete the SC selection.



Note: Files downloaded from SharePoint to the user's computer are for viewing purposes. Only changes uploaded to RIMS will be reviewed by the ISO.

6.4 New Request

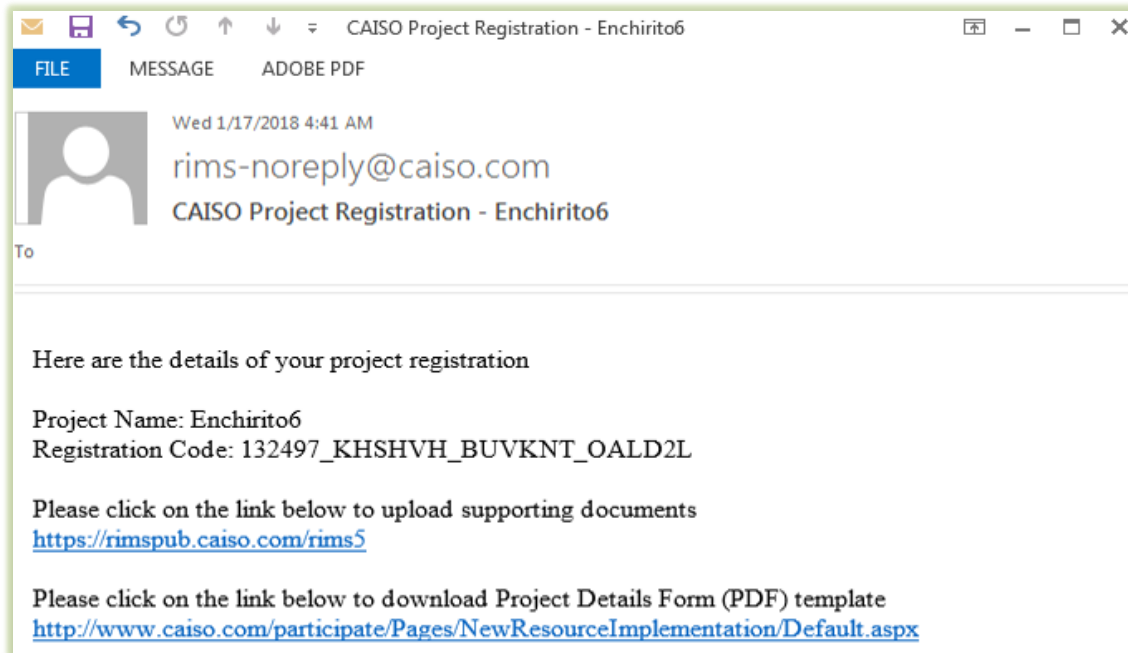
In order to create a new request, the user must first register by completing all of the fields of the New Request form on the [RIMS public site](#). The fields are: First Name, Last Name, Email, Confirm Email, Requested Project Name, and Request Type. The user must select the Request Type from the drop down menu. Select **Interconnection Request**, **Generation Request**, or **Conversion or Repower Request** and click **Register** . The user will receive a message that a registration code has been sent via e-mail.

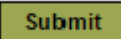


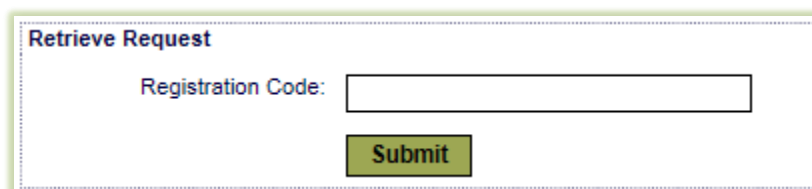
The user will receive a message that a registration code has been sent via e-mail.

01/28/2016 15:56:01 Email sent for registration code

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The registration code given in the e-mail should be pasted into the Registration Code field on the **Retrieve Request** portion of the New Request form. The user should click **Submit**  to access the request submission.



Retrieve Request

Registration Code:

Submit

At the discretion of the registered user, the registration code may be shared, allowing multiple project team members to collaborate and upload business and technology documents at the same time.

An inventory of documents to upload will appear on the screen. The user should choose the Document Type in the dropdown menu of the Upload Project Files window and choose a file to upload.

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Upload Project Files

Please add comments after upload
Select a Document Type:
Attachment A to Appendix 1

Choose File No file chosen

Upload Cancel

Upload Project Files

Please add comments after upload
Select a Document Type:
Attachment A to Appendix 1

Choose File AS_IR_FORM...r_v3.docx

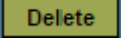
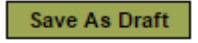
0%

Upload Cancel

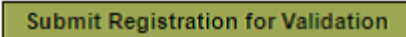
Uploaded Files					
Document Type	File Name	Uploaded Status	Uploaded Date		Comment
Other Documents	AS_IR_FORM_Cluster_v3.docx	SUCCESS	02/18/2016 12:02	Delete	0 Comments

Inventory of Documents to Upload	
Document Type	Project Types
Appendix DD Appendix 1 - Interconnection Request	All
Attachment A to Appendix 1 - Generating Facility Data	
Evidence of Site Exclusivity, including names, addresses, and contact information of site owner(s)	All
Site drawing to scale	All
Single-line diagram	All
Plot of generator terminal voltage vs field current	Synchronous
Block diagram of excitation system	Synchronous
Load Flow Model (*.epc)	All
Dynamic Model (*.dyd)	All
Google Map (*.kmz) showing project site	SCE project only
Manufacturers Specifications (optional)	Optional
Reactive Power Curve (optional)	Optional
Storage Supplemental Data Sheet (sheet supplied to IC after initial IR submission)	Storage
Other	As needed

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The Document Type, File Name, Upload Status, Upload Date, and Comments will appear in the Uploaded Files form. The document can be removed by clicking **Delete** . The interconnection request (IR) can be saved by clicking **Save As Draft**  in order to edit before submission.

To submit the IR, the disclaimer box must be checked at the bottom of the Interconnection Request form and the user should click **Submit Registration for Validation**




☒ By checking this box, you understand that electronic submission is not considered a complete and/or valid Interconnection Request until the CAISO provides acknowledgement within ten (10) Business Days of receipt that the Interconnection Request, which includes the timely receipt of study deposit funds, is deemed complete and/or valid pursuant to CAISO Tariff Appendix DD Section 3.5.2. In the event that the CAISO identifies any deficiencies in the interconnection request, you will have an opportunity to cure pursuant to Appendix DD Section 3.5.2.2.

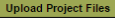
Once a document has been submitted, no changes to the document can be made by the user. The CAISO has ten business days from the date of submission to respond to the interconnection request. The CAISO will review and return the IR to the submitter, communicating if deficiencies exist and if further editing or information needs to be added.

INTERCONNECTION REQUEST

Project Name: tester 6


Uploaded Files

Document Type	File Name	Uploaded Status	Uploaded Date		Comment
Attachment A to Appendix 1	AS_IR_FORM_Cluster_v3.docx	SUCCESS	02/19/2016 09:47		0 Comments

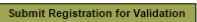


Inventory of Documents to Upload

Document Type	Project Types
Appendix DD Appendix 1 - Interconnection Request	All
Attachment A to Appendix 1 - Generating Facility Data	All
Evidence of Site Exclusivity, including names, addresses, and contact information of site owner(s)	All
Site drawing to scale	All
Single-line diagram	All
Plot of generator terminal voltage vs field current	Synchronous
Block diagram of excitation system	Synchronous
Load Flow Model (*.epc)	All
Dynamic Model (*.dyd)	All
Google Map (*.kmz) showing project site	SCE project only
Manufacturers Specifications (optional)	Optional
Reactive Power Curve (optional)	Optional
Storage Supplemental Data Sheet (sheet supplied to IC after initial IR submission)	Storage
Other	As needed



















☒ By checking this box, you understand that electronic submission is not considered a complete and/or valid Interconnection Request until the CAISO provides acknowledgement within ten (10) Business Days of receipt that the Interconnection Request, which includes the timely receipt of study deposit funds, is deemed complete and/or valid pursuant to CAISO Tariff Appendix DD Section 3.5.2. In the event that the CAISO identifies any deficiencies in the interconnection request, you will have an opportunity to cure pursuant to Appendix DD Section 3.5.2.2.



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6.5 Request Dashboard

The Request Dashboard allows the internal and PTO user to view submitted requests and the request description. The dashboard provides the project ID, project code, process type, queue number, project name, contact information, status date, and notes regarding the request. The dashboard allows the internal and PTO user to **edit** and **view** the request  .

Registration Requests								Rows 25 ▼	
Project ID	Process Type	Queue Number	Project Name	Contact	Email	Phone	Status Date	Notes	
134	Fast Track Process					1111111111		fdldaf - now project is reopened	 
136	Independent Study Process								 
137	Queue Cluster Process					1111111111			 
139	Queue Cluster Process					1111111111			 
141	Queue Cluster Process					1111111111			 
148	Queue Cluster Process								 
153	Queue Cluster Process					1111111111		iso comments	 

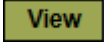


Note: Provide each project code to your organization's user access administrator (UAA) in order to gain access to the project in RIMS.

7 Modules

7.1 Global Dashboard

The Global Dashboard view enables the user to view upcoming projects and filter the following: queue position, project code, module type, project name, equipment code, equipment type, MW, utility, POI, in-sync date (from generation), COD (from generation), latest required transmission date, transmission percentage complete, transmission days behind (In-sync date versus Latest required Transmission date), DB build, boundary,¹ and comments. Click **Global Dashboard** to access this screen.

Click **View**  on a line item to see the specific project resource summary, equipment configuration, deliverability and transmission implementation details, project details, documents, and project contacts.

¹ Whether the implementation of the project or it's required transmission impact the CAISO Balancing Authority Boundary.

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7.2 Home

The Home tab contains training materials, process guidance, and forms for navigating the modules in RIMS. To access the Home screen, click **Home**.

7.3 App & Study


The App & Study module provides the details needed to create and track an application and study project. This module allows external users to view their project information but not the project information for other customers. To access the App & Study Project Dashboard, click **App & Study**.



The App & Study default screen displays Upcoming Projects based on project code and allows the user to view and filter by the following:

App & Study Dashboard	
Column	Description
Project Code	A system assigned code for the project
Queue Number	Assigned number for the project by Grid Assets
Project Name	The name of the project
IC Name	The legal owner of the project.
PTO	The participating transmission owner of the project
Received Date	The date the interconnection request for the project was received, including all of the components – funds, request, site exclusivity, and model.
Project Status	Project status can be classified as Received, Active, Transitioned, Withdrawn, or Complete. Received: The date the interconnection request for the project was received, including all of the components – funds, request, site exclusivity, and model.

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App & Study Dashboard	
Column	Description
	<p>Active: Refers to a project from the time it is deemed valid and ready to study until Commercial Operation is achieved. Once validated, a queue number is assigned to establish order of project relative to all other pending valid Interconnection Requests. Projects in a Cluster have no priority over each other.</p> <p>Transitioned: The project was transferred from one study process to another.</p> <p>Withdrawn: The project has been withdrawn from the study process.</p> <p>Complete: The project has been developed, is in commercial operation, and considered done.</p>
Project Type	Project type can be FT (Fast Track), Cluster, or ISP (Independent Study Process)
Cluster ID	Numerical number
Current Approved Net MW	MW at the Point of Interconnection to the CAISO controlled grid
Queue Date	The Cluster end date, or date deemed valid for the ISP and FT
Project Cost Code	The cost code associated to the project
PTO PM Contact	The PTO project manager contact for the project
PTO ENG Contact	The PTO engineering contact for the project
CAISO PM Contact	The CAISO project manager contact for the project at a certain point in time. As the project evolves the CAISO PM will change.
CAISO IS Contact	The CAISO Interconnection Specialist contact
CAISO ENG Contact	The CAISO engineering contact for the project
IC Contact	The Interconnection Customer contact for the project
View 	Click View for a detailed resource summary, equipment configuration, deliverability, and transmission implementation details, project details, documents, and project contacts.

7.3.1 Request Dashboard

The Request Dashboard provides a list of registration requests for projects.


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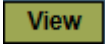
Note: The request dashboard is only visible to the CAISO and PTOs. PTOs can see projects that are interconnecting to their system.

The request dashboard displays the following:

- Project Code
- Process Type
- Queue Number
- IR Project Name
- Registration Project Name
- POI
- PTO
- Contact
- E-mail Address for the Contact
- Phone Number
- Status of the Request
- Status Date
- Notes

Click **View**  for a project to view the detailed resource summary, equipment configuration, deliverability and transmission implementation details, project details, documents, and project contacts.

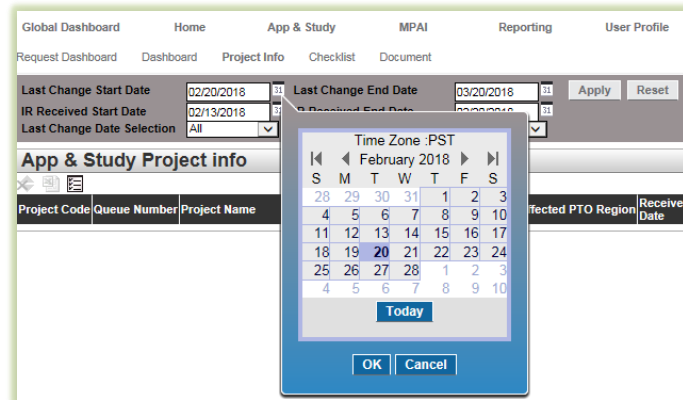
7.3.2 Dashboard

The App & Study Project Dashboard displays detailed information for App & Study projects. Click **View**  to access the resource summary, equipment configuration, deliverability and transmission implementation details, project details, uploaded project documents, and project contacts.


7.3.3 Project Info

The App & Study Project Info tab displays the App & Study project details. Filter this information by selecting a date from the dropdown calendar.


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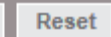
7.3.4 Checklist

The Checklist tab displays the checklist item, phase, and status for a project. This information can be filtered by selecting from the dropdown menu  for each:

- Project Type
- Checklist Phase
- Checklist Status
- Cluster Number
- Checklist Item
- Status Start Date
- Status End Date

Click **Apply**   to allow filtering. Click **Reset** to restore settings to the default page filter.

7.3.5 Document

The Document tab displays the list of project documents. Select from the dropdown menu  to filter the list. Click **Apply**   to allow filtering. Click **Reset** to restore settings to the default page filter.

7.4 MPAI

The Market Participant Asset Implementation (MPAI) module is split into two processes, New Resource Implementation (NRI) and Transmission Implementation. Each sub module tracks these respective requests.

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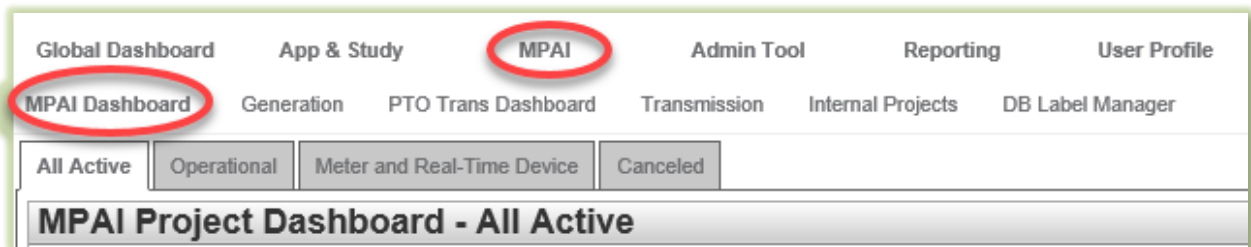
7.4.1 New Resource Implementation



7.4.1.1 MPAI Dashboard

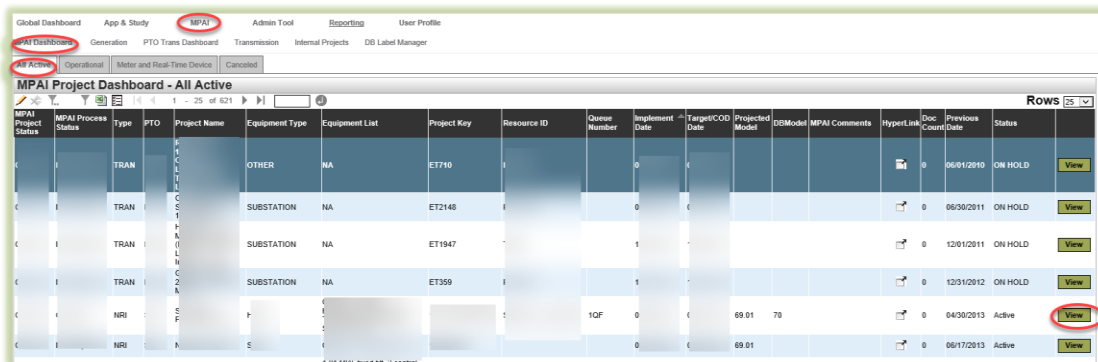
MPAI Project Dashboard

MPAI project information is grouped within the following tabs:

- **All In One:** Displays all active projects.
- **Operational:** Displays projects with a status of On Hold, SYNC OK, COM (Commercial Operation for Markets), COD (Commercial Operation Date achieved), or Complete.
- **Meter and Real-Time Device:** Lists all active Meter Replacement, Meter Maintenance, or RIG Reconfiguration projects.
- **Canceled:** Displays all canceled projects.




To make any edits to the project information listed below, navigate to **View** , perform the **Edit** , and select **Update**.



MPAI Project Status	MPAI Process	Type	PTO	Project Name	Equipment Type	Equipment List	Project Key	Resource ID	Queue Number	Implement Date	Target/COD	Projected Model	DB Model	MPAI Comments	HyperLink	Doc Count	Previous Date	Status	Rows
		TRAN			OTHER	NA	ET749		0							0	06/01/2010	ON HOLD	View
		TRAN			SUBSTATION	NA	ET2148		0							0	06/30/2011	ON HOLD	View
		TRAN			SUBSTATION	NA	ET1947		1							0	12/01/2011	ON HOLD	View
		TRAN			SUBSTATION	NA	ET359		1							0	12/31/2012	ON HOLD	View
		NRI							10F	0		69.01	70			0	04/30/2013	Active	View
		NRI							0			69.01				0	06/17/2013	Active	View

MPAI Dashboard Project Information	
Column	Description
MPAI Project Status	MPAI project status can be classified as Change (implement/earliest date updated), On Hold (past implement/earliest date), or On Track.

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MPAI Dashboard Project Information	
Column	Description
MPAI Process Status	MPAI process status can be classified as Contact IC, Contact PTO, In Process, Need Modeling, No Response, or Planned.
Type	Type can be classified as NRI, Tran
PTO	Specify the PTO for the project
Project Name	The name of the project
Equipment Type	Specify the fuel type
Equipment List	Project description
Project Key	NRI Project Code
Resource ID	Resource ID
Queue Number	2-Party: Enter Agreement Number (WDAT, Rule 21, etc.) 3-Party: Enter CAISO Queue Position number
Implement Date	Estimated implementation date
Target / COD Date	Commercial Operation Date
Projected Model	Projected DB model
DB Model	Assigned DB model
MPAI Comments	MPAI comments from CAISO Staff
Hyperlink	Access to project documents
Doc Count	Document Count
Previous Date	Previous estimated implementation date recorded
Status	Status can be classified as Active, In Progress, and On Hold.
View	Click View  to access and edit the general project information, specific contact information, queue numbers, project memos, bucket information, and additional documentation regarding the project.

7.4.1.2 NRI Project View

The NRI Project View provides the ability to track the generation and associated transmission project deliverables, comments, business unit acceptance, and bucket timelines using the following project view sections.

- *Project Memo* – The Project Memo section contains notes from CAISO staff related to the project.
- *Bucket Notes* – These are system-generated notes on documents that have been received, accepted, not accepted, or conditionally accepted. The most recent item appears at the top of the list.
- *Meter Device IDs* – This section will provide the assigned meter device IDs.
- *Phase Completion* – This section displays the Commercial Operations for Markets phase completion.

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- *Regulatory Contracts Contacts* – This section displays the contacts used for executing contracts with regulatory contracts group.
- *Monitor Approval Process* – This section displays the approval process for any Sync, COD, COM, or Completion Requests.
- *Uploaded File Documents* – This section displays the project files that have been uploaded through the NRI module.
- *Bucket Items* – Bucket items are submitted from the project view within the Documents roll up using **Upload Project File**.
Submit bucket items based on those required for a specific project. All required files must be accepted by the CAISO by the bucket date. The deadline date will change any time the estimated implementation date is moved. Items can be completed early and out of order, but must be accepted by the due date. Submit documentation in advance of the bucket approval dates and track approval status to keep project on schedule. If the bundle date expires without files being uploaded, the estimated implementation date will need to be moved in order to submit files.
- *Related Transmission Projects* - The Related Transmission Projects section of this screen displays the Equipment Queue and those related transmission equipment types. Transmission equipment types and projects are displayed in this section based on the associated App & Study Queue number.

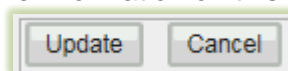
7.4.1.3 Edit NRI Project Details

RIMS users with contributor access have the ability to edit project details within the **Project View**, editable fields may contain the following sections:

- General Info
- Imp Date Info
- SC Information
- Queue Number(s)
- Contact Info
- Resource Address and Phone Number
- Regulatory Contracts Contact

To edit the information on this screen, select **Edit**  , revise the available fields, and click

Update



. Click **Cancel** to undo the edit.

The form fields on the Generation detail display are editable based on the user role. If the box is outlined in red, the fields are editable. If the box is not outlined, the fields cannot be edited.

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General Project Information

QF Complete

General Info

Generation Project Name:

Project Type: Existing QF

Project Description:

IA Type: 3-party

Project Status: Active

Phase Status:

Resource ID:

Assigned Point of Delivery: Springville 230kV bus

PTO: SCE

Fuel Type: Hydro

Add'l Fuel Type:

Nameplate(MW): 1.4

QM Limited Operations:

Nearest(60kV) Substation:

Connection Voltage(kV):

Point of Interconnection: Transmission Line

Ancillary Services Requested

AGC: No | SpIn: No | Non-Spin: No

DB Model Info

ISO Project Num: 12QFPGAMSA062

Assoc With:

Projected Model: 69.01

Assigned Model: 70

DB Model Date (MM/DD/YYYY):

Email Notification: On

Contact Info

Contact Name:

Contact Phone Number:

Email Address: (semi colon separated)

Resource Address and Phone Number

Street Address:

City:

County:

State: California

Zip Code:

Latitude(calc):

Longitude(cal):

Control Room Phone#:

Legal Address

Legal Name:

Street Address:

City:

State: California

Zip Code:

Test Details

Is Test Completed: Yes

Is Test Scheduled: Yes

Test Scheduled Date:

Impl Date Info

Estimated Implementation Date (MM/DD/YYYY): 04/30/2013

Commercial Operation Date (MM/DD/YYYY): 08/01/2012

SC Information

SC Name: na

SCID: na

Phone: TBD

Email: TBD

SC Assoc Date: 01/01/1988 (DD/MM/YYYY)

Queue Number(s)

Associated Queue Number (s)

Updated By

Updated Date

TQF

MIGRATE

04/03/2018 00:00

Project Memo

Comments

Updated By

Updated Date

4/14/17 NRI (CW): PLEASE CONTACT NRI WITH STATUS OF THIS PROJECT @ NRI@CAISO.COM

MIGRATE

01/23/2018 00:00

EDAS AUTO GENERATED NOTIFICATION-09/09/2016: IN SECTION 2 OF THE MSVS: THE CITY PROVIDED DOES NOT MATCH THE CITY WE HAVE ON FILE WITH NRI

MIGRATE

01/23/2018 00:00

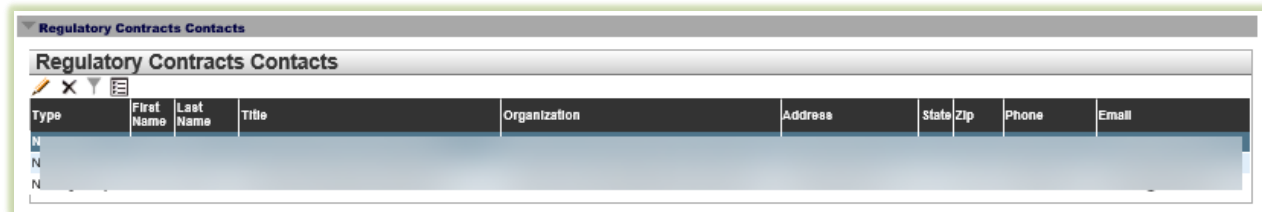
Owner: Le Vine, Debi

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All other display grids, can only be *viewed* by an external role. Only CAISO roles can *edit* data in these other areas, except for the following roll up display.



To edit the information on this screen, select **Edit** , revise the available fields, and click

Update  . Click **Cancel** to undo the edit.

Generation File Upload

Files needed in the NRI process can be uploaded to RIMS. The file upload area is for all external roles, whether read or write roles. The file must be uploaded onto the display for that project. NRI required files cannot be uploaded onto any NRI project display, only the specific one for the project.

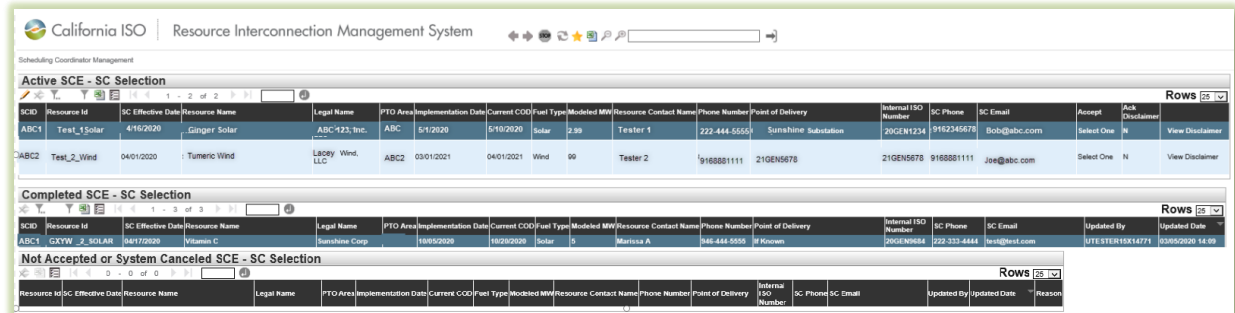


7.4.2 Scheduling Coordinator Management

Resources going through the NRI process may require a Scheduling Coordinator Association where the SC will assume the responsibility for scheduling this resource once it has completed the NRI process. Scheduling Coordinators will utilize the Scheduling Coordinator Management tab to manage their SC Selection requests submitted by Resource owners.

The **SC READ-WRITE EXTERNAL** role must be provisioned in AIM in order to access this tab and perform the required actions. These users will now have the ability to utilize RIMS and manage these selection requests from a user interface. All of the existing information requested on these letters will now be reflected in RIMS including the disclaimer.

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The screenshot shows the RIMS interface with three main sections:

- Active SCE - SC Selection:** A table listing active associations. Columns include SCID, Resource Id, SC Effective Date, Resource Name, Legal Name, PTO Area, Implementation Date, Current COD, Fuel Type, Modeled MW, Resource Contact Name, Phone Number, Point of Delivery, Internal ISO Number, SC Phone, SC Email, Accept, and Ack. Two rows are visible: ABC1 (Test_1_Solar) and ABC2 (Test_2_Wind).
- Completed SCE - SC Selection:** A table listing completed associations with similar columns to the active section.
- Not Accepted or System Canceled SCE - SC Selection:** A table listing associations that were not accepted or canceled by the system.


In the SC Management Display, SCs will see three dashboards:

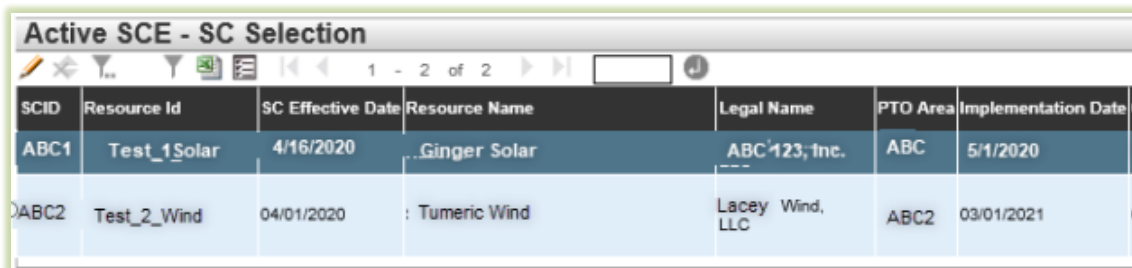
- **Active SC Selection:** Projects awaiting SC acceptance of the association. These associations must be reviewed and decided by the SC seven Business Days before the association effective start date. On the seventh day, the system will automatically cancel the request and the Interconnection Customer must resubmit.
- **Completed SC Selection:** A historical list of accepted associations.
- **Not Accepted or System Canceled SC Selection:** This shows the associations that were **not** accepted by the SC and the associations that were canceled by the system due to a missed deadline.

7.4.2.1 Processing Association Requests

When a resource owner selects an SC, that request will populate under the **Active SCE - SC Selection** dashboard in the SC management tab. SC Associations must be processed in a timely manner. If an association is not processed prior to seven business days before the association start date, the system will automatically cancel the association on the seventh day.

To process the association request:

1. Select the project and click the pencil  in the top left corner.

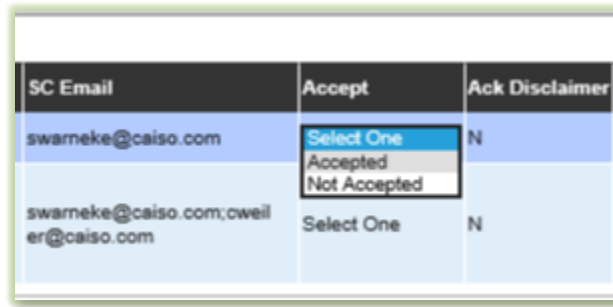


The screenshot shows the 'Active SCE - SC Selection' dashboard with a table containing the following data:

SCID	Resource Id	SC Effective Date	Resource Name	Legal Name	PTO Area	Implementation Date
ABC1	Test_1_Solar	4/16/2020	Ginger Solar	ABC 123, Inc.	ABC	5/1/2020
ABC2	Test_2_Wind	04/01/2020	Tumeric Wind	Lacey Wind, LLC	ABC2	03/01/2021

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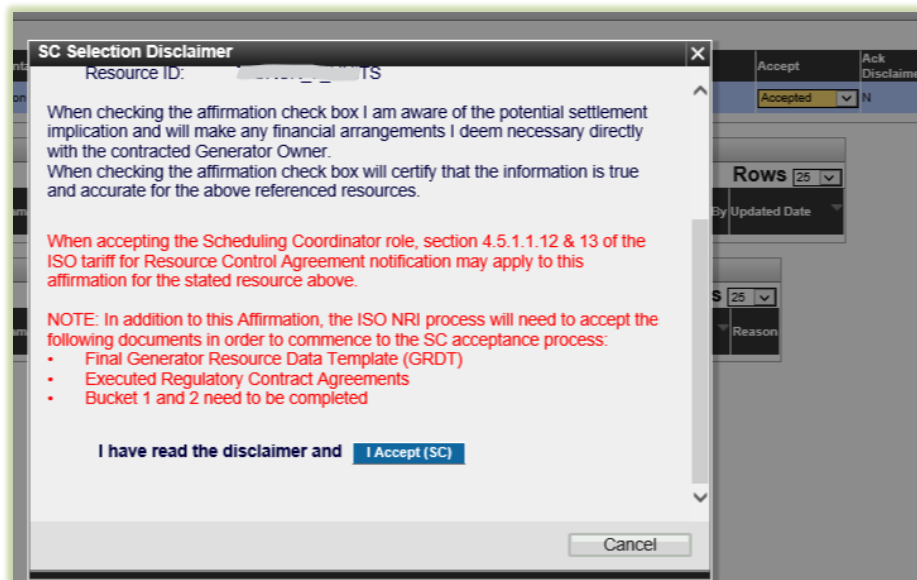
2. Navigate to the **Accept** column and click the drop down menu.
3. Select **Accepted** or **Not Accepted** for association to the resource.



SC Email	Accept	Ack Disclaimer
swarneke@caiso.com	Select One Accepted Not Accepted	N
swarneke@caiso.com;owell er@caiso.com	Select One	N

Upon selecting **Accepted**, the **SC Selection Disclaimer** will appear on the user's screen.

4. The SC must click **I Accept (SC)** to acknowledge the disclaimer in order for the acceptance to be completed.



7.4.3 Transmission

7.4.3.1 MPAI Dashboard


MPAI Project Dashboard

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MPAI project information is grouped by the default **All In One** tab and the **Operational** tab. The All In One screen displays all active projects, generation and transmission. The Operational tab displays projects with a status of On Hold, Cancelled, SYNC OK, COM, COD, or Complete.

MPAI Dashboard	
Column	Description
MPAI Project Status	MPAI project status can be classified as Change (implement/earliest date updated), On Hold (past implement/earliest date), or On Track.
MPAI Process Status	MPAI process status can be classified as Contact IC, Contact PTO, In Process, Need Modeling, No Response, or Planned.
Type	Type can be classified as NRI, Tran
PTO	Specify the PTO for the project
Project Name	The name of the project
Equipment Type	Enter the equipment type and specify using drop down menu.
Equipment List	Specify equipment type details
Project Key	Equipment Type (ET) Number
Resource ID	Resource ID
Queue Number	CAISO Queue Position number from App & Study
Implement Date	Earliest Date is the date used to project the model release of the transmission project with all equipment. This date could be the same date as the target date below.
Target / COD Date	Target Date of equipment to energize. All testing is complete.
Projected Model	Projected DB model label
DB Model	Assigned DB model label
MPAI Comments	MPAI comments from CAISO staff
Hyperlink	Access to project documents at the directory level
Doc Count	Document Count of all documents in the directory
Previous Date	Previous estimated implementation date recorded. For generation, it is the previous implementation date on the PDF. For transmission, it is the previous earliest date.
Status	Status can be classified as Active, In Progress, and On Hold.

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MPAI Dashboard	
Column	Description
View	Click View  to access and edit the general project information, specific contact information, queue numbers, project memos, bucket information, and additional documentation regarding the project.

7.4.3.2 PTO Trans Dashboard

The PTO Transmission Dashboard screen contains the information related to transmission projects. This screen displays the list of transmission projects that have met the timing requirements (more than 202 days in advance). It also allows the PTO user to upload files related to a transmission project.

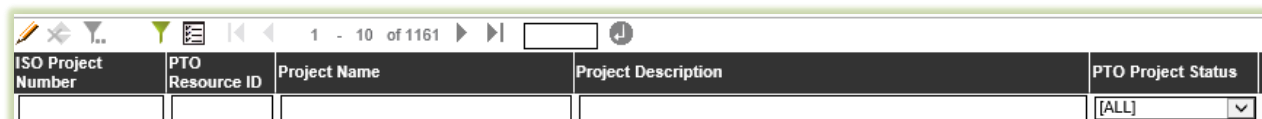
7.4.3.2.1 PTO Transmission Dashboard Details

The Transmission Project Details provides the ability to track the project deliverables and timeline using the following project view sections. .

The Transmission Project Details dashboard contains:

- *Transmission Project Details* – This section contains the project number, PTO resource ID, project name, description, and PTO project status.

The PTO project status provides an update on the standing of the project, location, PTO max end date, PTO, and created date. Select from the dropdown menu to filter by PTO project status.



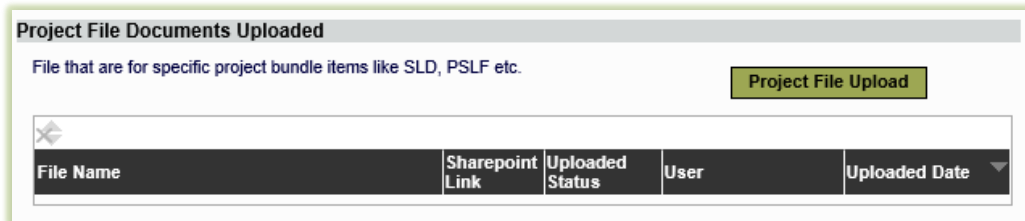
ISO Project Number	PTO Resource ID	Project Name	Project Description	PTO Project Status
				[ALL] ▼

- *Transmission Equipment Types* – This section shows all Equipment Types (ET) related to the transmission project. Each project has one or more pieces of equipment associated with it. The dates associated with the equipment direct the bundle completion dates.
- *Transmission Project Comments* – The Transmission Project Comments section contains notes from CAISO staff related to the project.

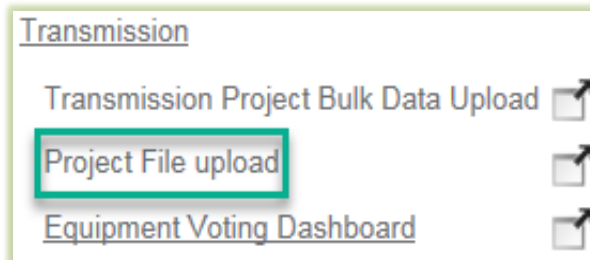
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- *Transmission Bundle Notes* – These are system-generated notes on documents that have been received, accepted, not accepted, or conditionally accepted. The most recent item appears at the top of the list.
- *Uploaded File Documents* – This section displays the project files that have been uploaded through the Transmission module.
- *Bundle Items* – Bundle items are submitted from the Transmission menu using **Project File Upload** within the Project View or under the Transmission tab Project File Upload.

Project View:



Transmission - Project File Upload:

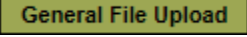


Submit bundle items based on those required for a specific project. All required files must be accepted by the CAISO by the bundle date. The deadline date will change any time the “earliest date” is moved. Items can be completed early and out of order, but must be accepted by the due date. Submit documentation in advance of the bundle approval dates and track approval status to keep project on schedule. If the bundle date expires without files being uploaded, the “earliest date” will need to be moved in order to submit files.

- *Associated Resource Projects* – This section of the screen displays the Related Generation Projects. The Equipment Queue lists the equipment associated with the App & Study Queue. The Related Generation Projects section displays generation projects that are related to transmission projects.

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- *More Transmission Project Details* – This displays additional information regarding transmission projects and contact information as well as access to upload documents.
- *General File Documents Uploaded* – Users may upload files in this section.

Click **General File Upload**  to upload related files.

To edit the information on this screen, select **Edit** , revise the available fields, and click

Update  . Click **Cancel** to undo the edit.

7.4.3.2.2 Edit Transmission Project Details

RIMS users with contributor access have the ability to edit project details within the **Project View** or the **PTO Trans Dashboard**, editable fields may contain the following sections:

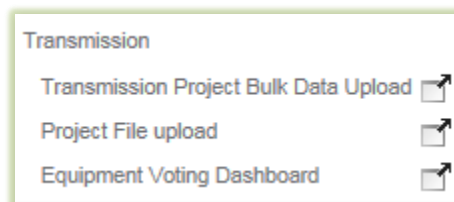
- Transmission project Details
- Transmission Equipment Types
- Equipment Queue(s)
- More Transmission Project Details

To edit the information on this screen, select **Edit** , revise the available fields, and click

Update  . Click **Cancel** to undo the edit.

7.4.3.3 Transmission

This tab allows the user to upload transmission bulk data project files, upload individual project files, and access the equipment voting dashboard.

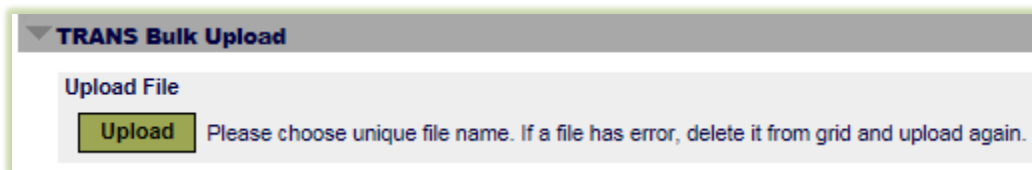


7.4.3.3.1 Transmission Project Bulk Data Upload

From this tab, the user can upload transmission project bulk loader, view the list of previous imported bulk loader and related information, and download the transmission bulk data upload Excel template. Use the bulk loading spreadsheet to inform the CAISO of updates, new projects,

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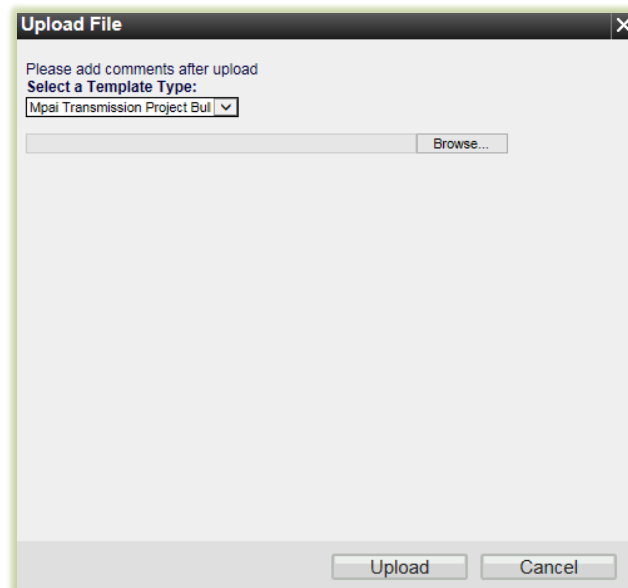
and equipment types. Ensure all required fields are completed. At least one piece of equipment must be assigned to a project.



TRANS Bulk Upload

Upload File

Upload Please choose unique file name. If a file has error, delete it from grid and upload again.



Upload File [X]

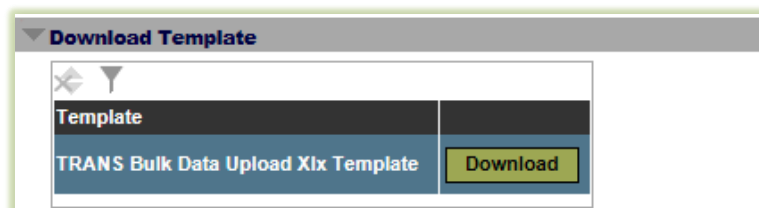
Please add comments after upload

Select a Template Type:

Mpai Transmission Project Bul [v]

Browse...

Upload Cancel



Download Template

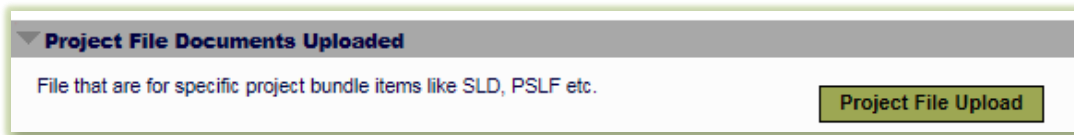
Template

TRANS Bulk Data Upload Xlx Template **Download**

7.4.3.3.2 Project File Upload


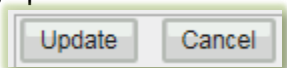
From this tab, the user can upload specific project bundle items (example: SLD or PSLF), as well as view the uploaded files and related information. Files must follow the naming convention specified in the [Transmission Implementation Guide](#). This naming convention identifies the files and links them to respective bundle items.

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7.4.3.3.3 Equipment Voting Dashboard

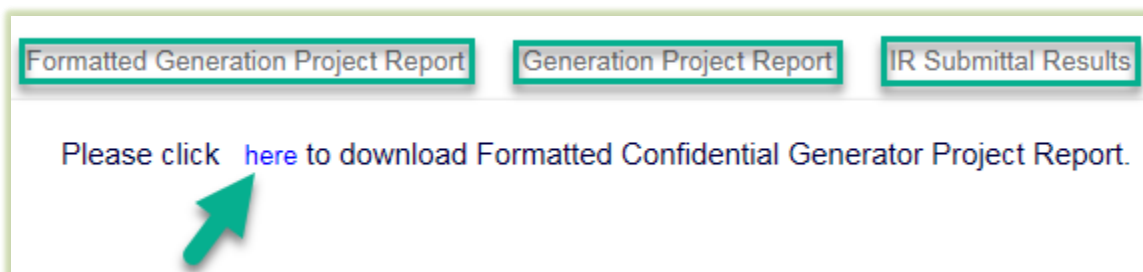
Projects that did not meet the advance notice requirement (greater than 202 days) are placed in the Equipment Voting Dashboard. Dates are examined and voted on by the ISO's energy management system and operations engineering business units. "Earliest Dates" that are adjusted to greater than 202 days from the current date via the bulk loader will move to the PTO Trans Dashboard view.

To edit the project information, update information on a line item and click **Edit** . Click **Update** to refresh the edited line item . Click **Cancel** to undo the edit.

Use <Shift + Click> or <Ctrl + Click> to select multiple lines to edit.

7.5 Reporting

The Reporting module allows the user to download formatted confidential generator project reports. This module also contains tabs with specific reports for generation projects. The reports available are the Formatted Generation Project Report, the Generation Project Report, and the IR Submittal Results.



7.5.1 Formatted Generation Project Report

The Formatted Confidential Generator Project Report can be downloaded from this tab.

7.5.2 Generation Project Report

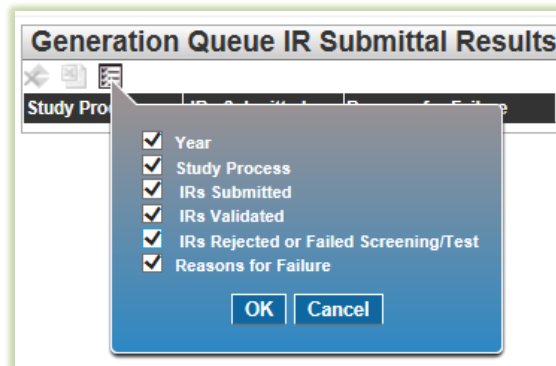
The public CAISO Generator Interconnection Queue Report can be found at this tab. The Generation Project Report provided information to the external user as an aid in strategic business planning. This report informs the user on the available public project queue. External users can

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
view their current project details and status information but no other interconnection customer's information.

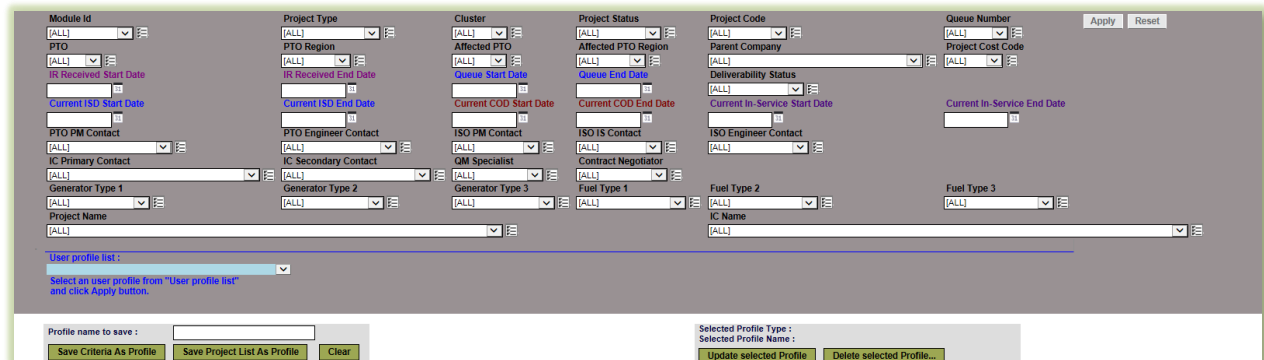
7.5.3 IR Submittal Results

This tab displays the details of submitted IRs. This table can be filtered from the dropdown.



7.6 User Profile

The User Profile module allows the user to set the profile information for a particular project. Complete the form by selecting from the drop down menus and date fields. Click **Apply**  to set the profile.



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8 Appendix

8.1 Related Documentation

For more information on the CAISO RIMS application, see the following related documents:

[RIMS Frequently Asked Questions](#)

[How to Grant Access to RIMS](#)

[RIMS Items to Consider When Uploading an Interconnection Request Form](#)

[User Access Administrator \(UAA\) Form – Access to Resource Interconnection Management System \(RIMS\)](#)

[User Access Administrator Guide](#)

[Access and Identity Management \(AIM\)](#)

[Registering for Your New CAISO Digital Certificate](#)

[Installation Instructions for CAISO Multiple Application \(CMA\) End User Digital Certificates](#)

[Instructions for Renewing Your CAISO Digital Certificate](#)

[Transmission Asset Implementation Guide](#)

8.2 Contact Information

For connectivity inquiries such as certificate installation, contact via [e-mail the CAISO service desk](#) or phone (888) 889-0450.

For UAA/AIM inquiries, call (916) 608-7320.

For RIMS-specific inquiries such as project ID or queue number, [contact an interconnection specialist via e-mail](#).