California ISO

RIMS: Generation Module

Resource Interconnection Management System (RIMS)
Functional Enhancements

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Training and Readiness

April 18, 2018

Agenda

- Project overview
- New resource implementation
  - Starting a new project
  - Navigation and screens
- Sorting and filtering data
- Discussion

PROJECT OVERVIEW

Project background

Since 2008, the ISO’s interconnection management processes have evolved to support the growing number of requests throughout the western interconnection, and changing FERC regulations.

Project background

Currently, the ISO uses two processes to manage these requests:

- Resource Interconnection Management System (RIMS) Application
  - New Interconnection Requests
  - Application and Study Process
- Email based system via NRI@caiso.com
  - New Resource Interconnection (NRI) process
  - Market Participant Asset Implementation (MPAI) process

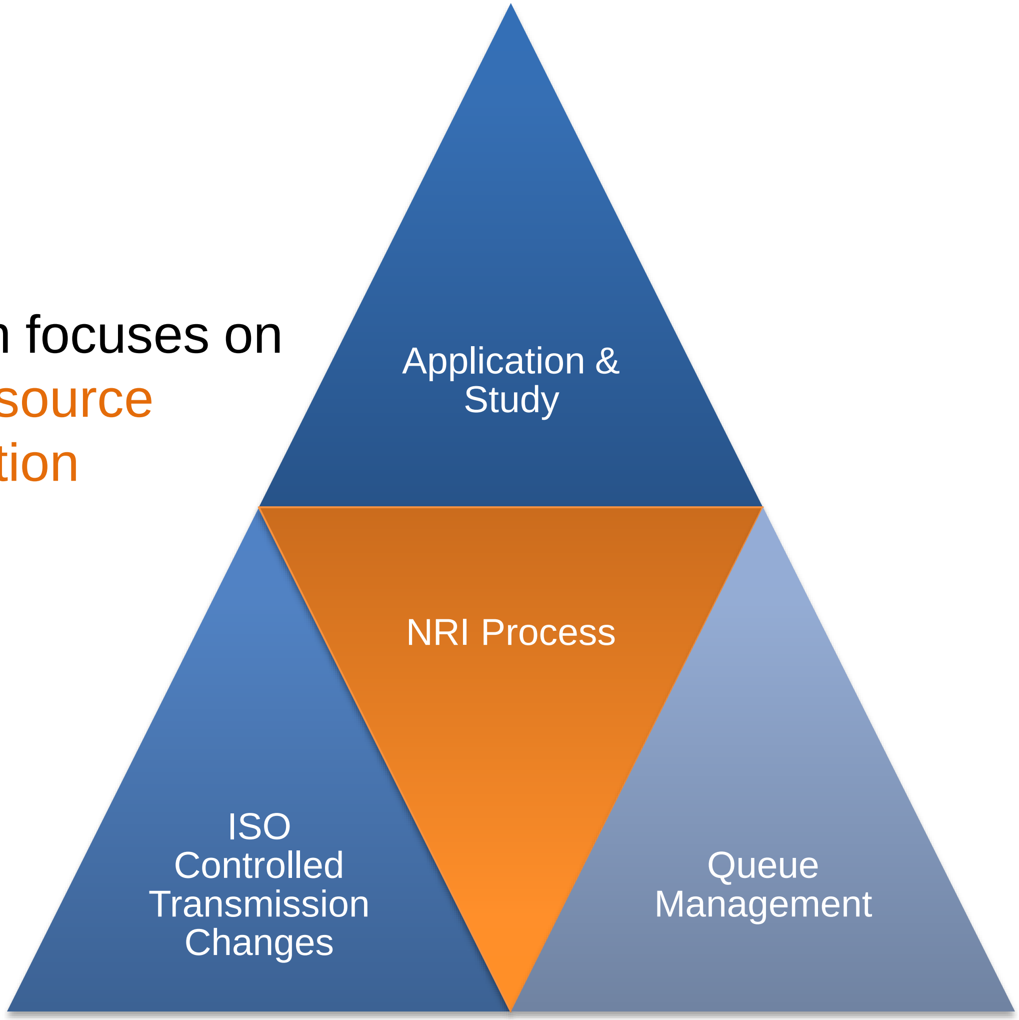
Project background – new features

RIMS + **New Features**

- New Interconnection Requests
- Application and Study Process
- Add new and existing generator resources (NRI)
- ISO polled meter maintenance and replacement
- Real-time devices
- Transmission topology changes as it affects the ISO controlled grid (MPAI)

RIMS is used to manage these processes

This session focuses on the New Resource Implementation process



RIMS facilitates the New Resource Implementation (NRI) Process

- The NRI process assists new or Qualifying Facility (QF) interconnection customers from build to bid into the ISO markets
- The NRI webpage provides an overview of this process

Starting a new project

Navigation and screens

NEW RESOURCE IMPLEMENTATION MODULE

California ISO

Starting a new resource interconnection project within RIMS

1. Request a new project registration code
2. Obtain a registration code
3. Complete and upload project details form using registration code
4. Obtain NRI project code after successful upload and validation of project details form
5. NRI project code is used to gain access to RIMS project

Request a new project registration code via the RIMS public site

California ISO | Resource Interconnection Management System

RIMSPUB

New Request | Reporting

New Request

First Name: Radha

Last Name: Madrigal

Email: rkmadrigal@caiso.com

Confirm Email: rkmadrigal@caiso.com

Requested Project Name: Enchirito6

Request Type: Select One

- Select One
- Interconnection Request
- NRI Project Details Form
- Conversion or Repower Request

Retrieve Request

Registration Code:

Submit

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.

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.

Action Toolbar

4. Export the report to Excel to further evaluate data
5. Link to more information: RIMS5 User Guide for App & Study Module

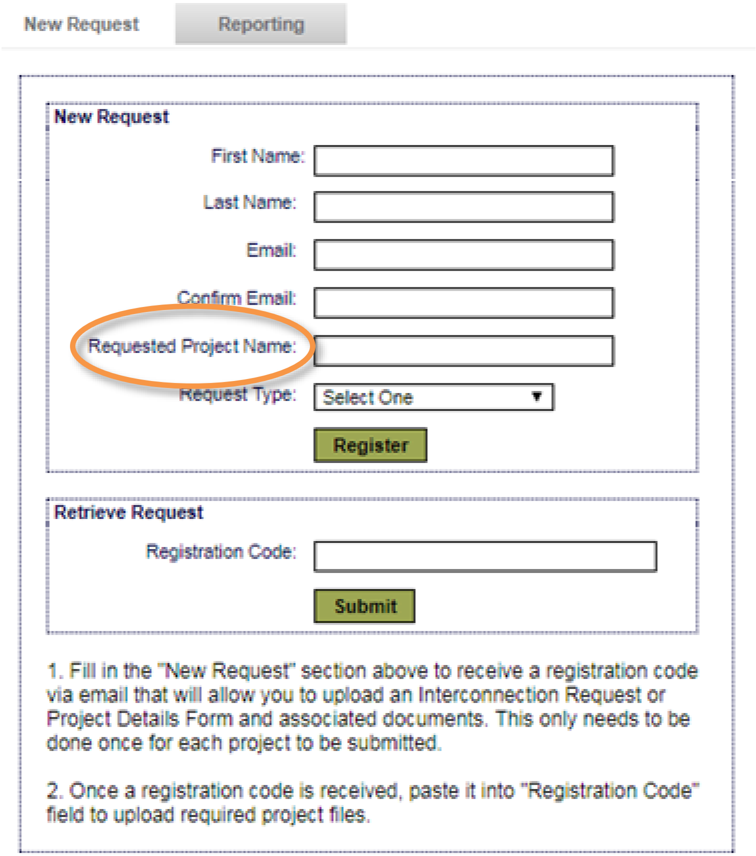
App & Study Module (Interconnection Request)

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.

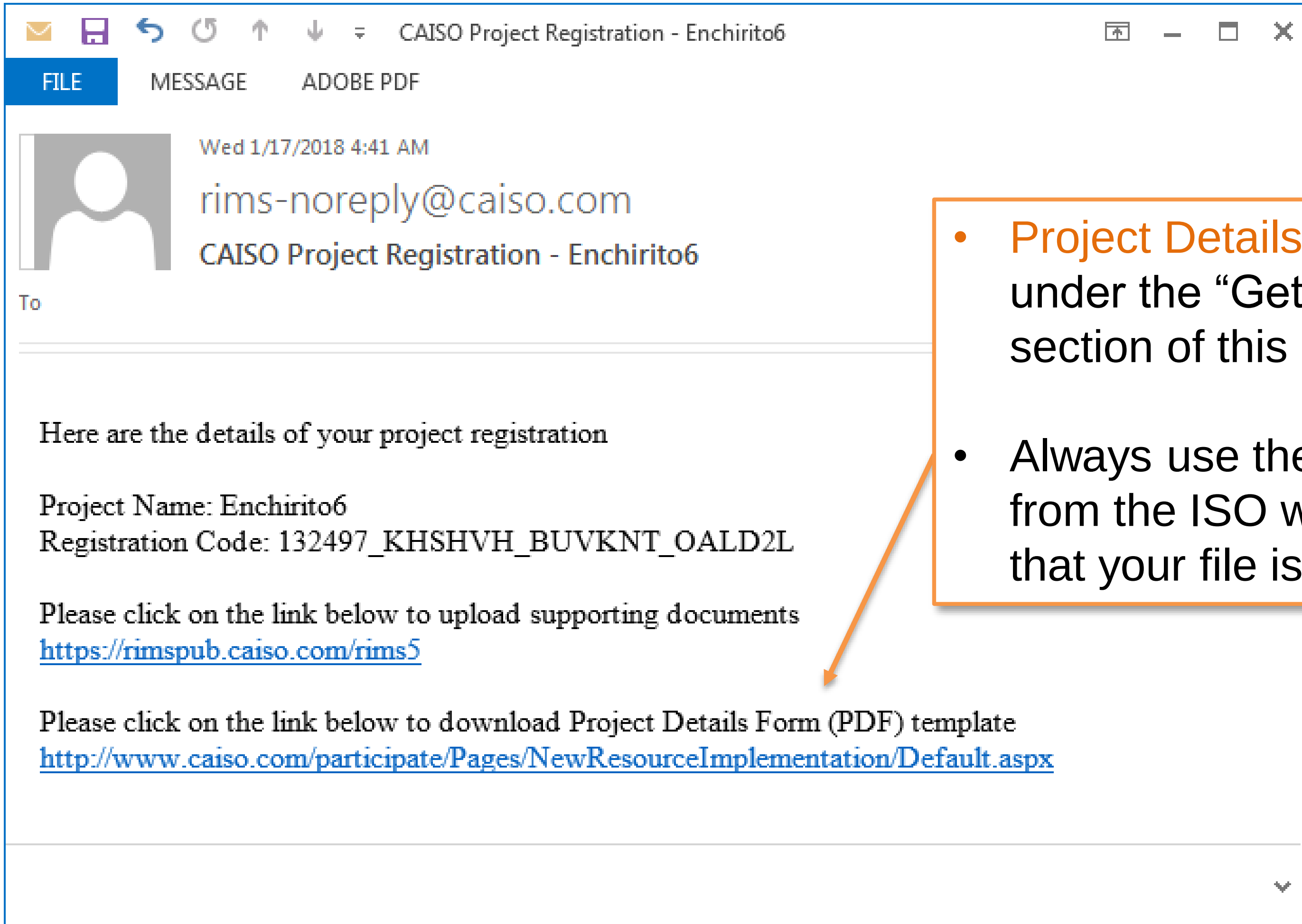
- Requested Project Name cannot include special characters: ~ ' # % & @ * : ; <> ? / \ | ( ) [ ] - _
- Request Type should be set to NRI Project Details Form

Notes re: validation of project details form

- Requested Project Name is a temporary project name, it does not have to be the resource name listed on the project details form
- After you register, receive a code and upload the project details form, it will validate



Obtain project registration code via email



CAISO Project Registration - Enchirito6

FILE MESSAGE ADOBE PDF

Wed 1/17/2018 4:41 AM

rims-noreply@caiso.com

CAISO Project Registration - Enchirito6

To

Here are the details of your project registration

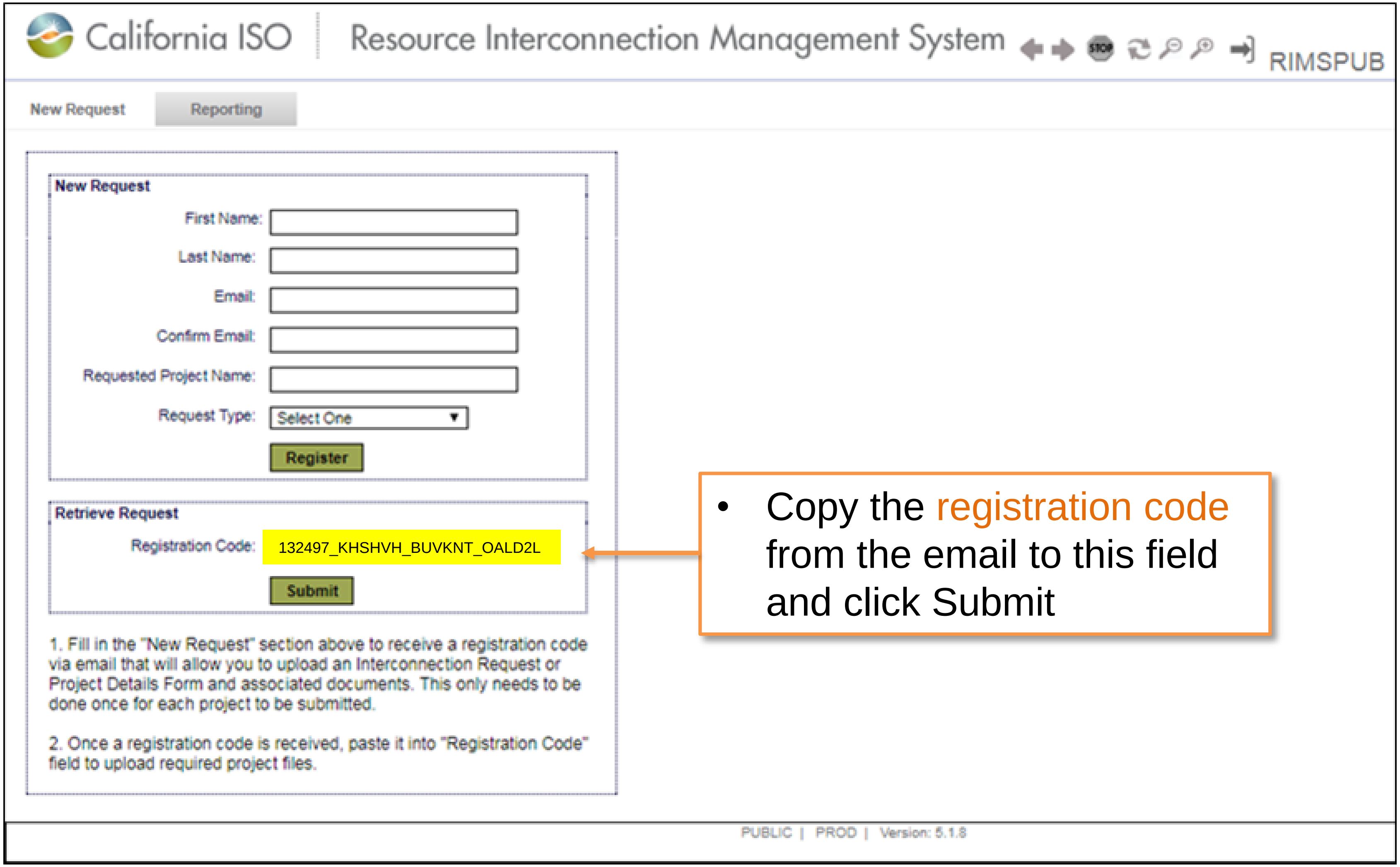
Project Name: Enchirito6
Registration Code: 132497_KHSHVH_BUVKNT_OALD2L

Please click on the link below to upload supporting documents
https://rimspub.caiso.com/rims5

Please click on the link below to download Project Details Form (PDF) template
http://www.caiso.com/participate/Pages/NewResourceImplementation/Default.aspx

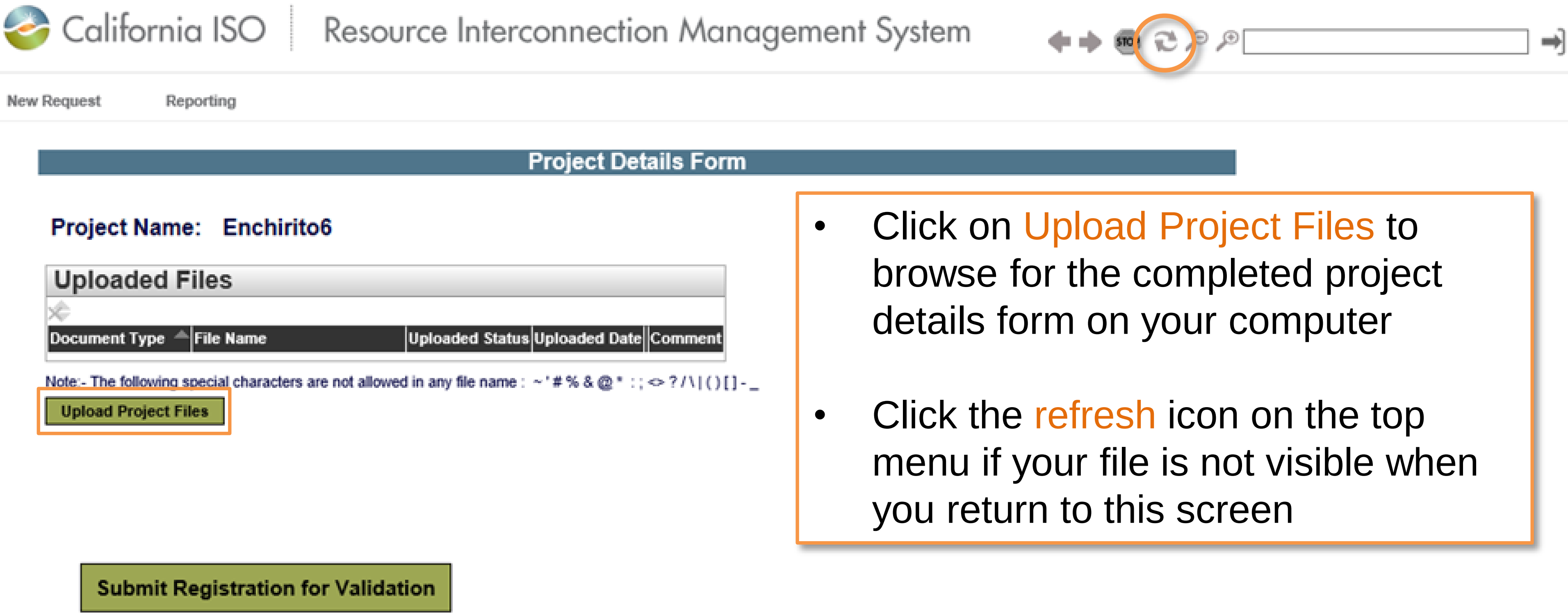
- Project Details Form is located under the "Getting Started" section of this page
- Always use the most recent form from the ISO website to ensure that your file is accepted

Use registration code to access upload page



- Copy the registration code from the email to this field and click Submit

Complete and upload project details form



- Click on Upload Project Files to browse for the completed project details form on your computer
- Click the refresh icon on the top menu if your file is not visible when you return to this screen

Complete and upload project details form

Project Details Form

Project Name: Enchirito6

Uploaded Files

Document Type	File Name	Uploaded Status	Uploaded Date		Comment
Project Details Form	Project Details Form v10 RIMS Enchirito6.docx	PENDING	01/17/2018	Delete	0 Comments

Note:- The following special characters are not allowed in any file name : ~ ' # % & @ * : ; <> ? / \ | ( ) [ ] - _

Upload Project Files

Submit Registration for Validation

- RIMS will parse the data from the form
- The file will show up on the list of uploaded files
- When uploaded status is complete it is ready to submit
- Click Submit Registration for Validation to initiate process
- A project code is created - this code is used in all documentation and is needed in order to obtain access to this project in RIMS

Obtain NRI project code via email

Enchirito6 18GEN132538 Your ISO Project Tracking Number

FILE MESSAGE INSERT OPTIONS FORMAT TEXT REVIEW ADOBE PDF

Wed 1/17/2018 4:41 AM

rims-noreply@caiso.com

Enchirito6 18GEN132538 Your ISO Project Tracking Number

To

Thank you for starting a project with the CAISO New Resource Implementation (NRI) process. The next steps are to submit project required documents in accordance to your project type. Please download and review the New Resource Implementation guide and checklist from the following link: http://www.caiso.com/participate/Pages/NewResourceImplementation/Default.aspx

**Important links for the NRI process
New Resource Implementation Website:
http://www.caiso.com/participate/Pages/NewResourceImplementation/Default.aspx

Business Practice Manuals for Metering and Direct Telemetry:
http://www.caiso.com/rules/Pages/BusinessPracticeManuals/Default.aspx

Thank you,

New Resource Implementation

- Forward this email to your User Access Administrator

What is the role of the User Access Administrator?

- Each organization may have one or more user access administrators (UAAs) who manage access to ISO systems

- Access to RIMS projects is managed at the individual project level

- UAA must be given the project code for each new RIMS project

- UAA must add the new RIMS project to your organization in the Access and Identity Management (AIM) tool

- The UAA provisions user access to individual users

How to gain access to a RIMS project

1. User forwards NRI project code email to UAA
2. UAA attaches email to UAA agreement when registering new project code in AIM
3. UAA grants user access to new RIMS project in AIM
4. User is now able to view new project in RIMS

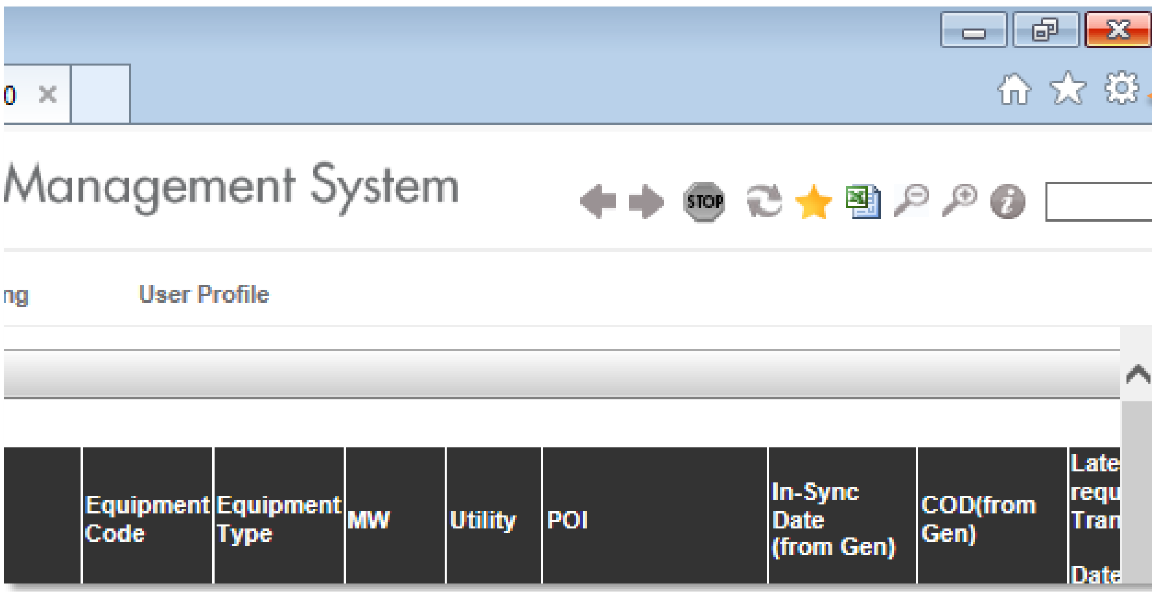
Important note about Internet Explorer browser compatibility settings and RIMS

- RIMS should **not** be run using Internet Explorer's Compatibility View
  – feature is already built into the user interface

- Checking the boxes (in Internet Explorer) confuses the interface and prevents certain functions from working properly
  – Example: file uploads will freeze

Important note about IE browser compatibility settings and RIMS

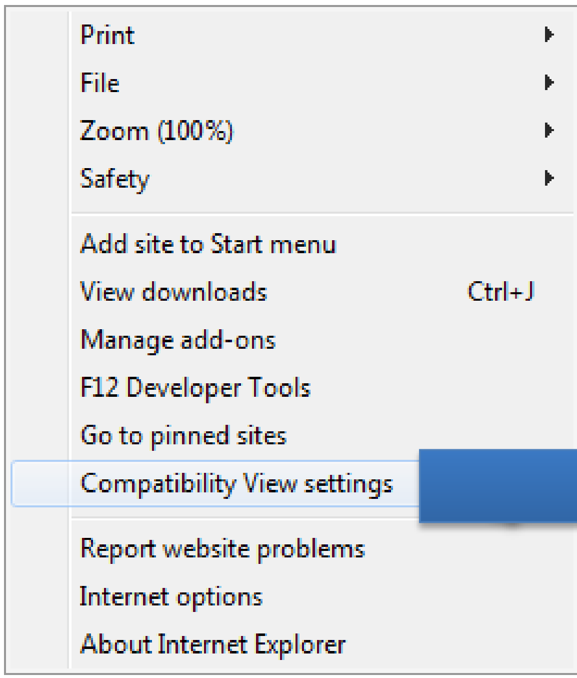
- Check your settings by doing to the following:



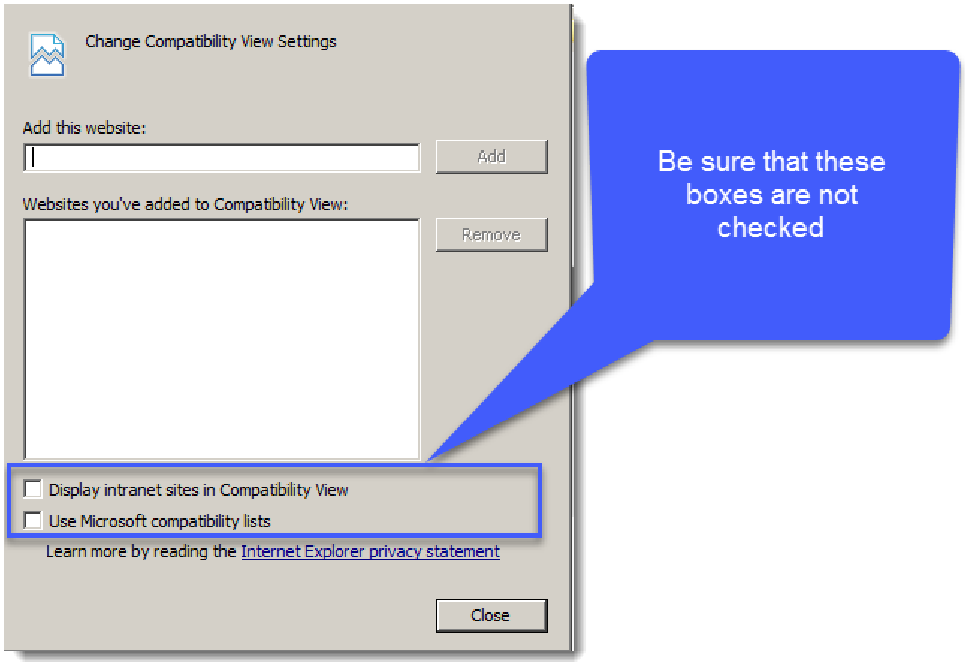
Adjust settings here

Ensure that Compatibility View settings are <u>not</u> checked

Select Compatibility View Settings from the menu:



Make sure the following boxes are NOT checked:



How do you get to RIMS?

California ISO | Market Applications

[Market Participant Portal](#)
[CAISO.com](#)

Application Access

AIM	Access and Identity Management

Inquiries & Disputes

CIDI	Customer Inquiry Dispute and Information

Market & Operations

CMRI	Customer Market Results Interface
CRR	Congestion Revenue Rights
SIBR	Scheduling Infrastructure & Business Rules
SIBR Reports	Scheduling Infrastructure & Business Rules Reports

OASIS

OASIS	Open Access Same-Time Information System

Outage Coordination

OMS	Outage Management System

Reliability Requirements

CIRA	Customer Interface for Resource Adequacy
RAAM	Resource Adequacy Availability Management

Renewables & Demand Response

DRS	Demand Response System
DRRS	Demand Response Registration System

Settlements

MRI-S	Market Results Interface - Settlements

Systems & Resource Modeling

TR	Transmission Registry
Master File	
RIMS	Resource Interconnection Management System

Information available — Limited availability — Scheduled maintenance or outage — Unscheduled Outage

Scheduled System Maintenance and Information

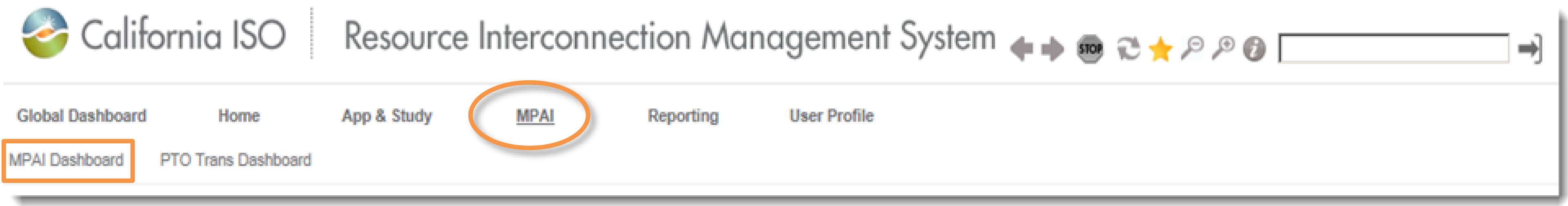
Event	Description	Related Notices	Timestamp
	Please see ISO Maintenance and Outage Schedule	Maintenance & Outage Schedule	06/07/2017 07:19:10
	TLS 1.0/1.1 Scheduled for deactivation in Production on April 23, 2018		01/30/2018 12:15:38
	RAAM to be Deactivated on May 1, 2018		03/09/2018 09:22:22
	Credit Management Portal will be down for scheduled maintenance and unavailable on Apr 12, 2018 beginning at 4pm through to 7pm		04/06/2018 11:11:05

Privacy Policy Terms of Use

2.1

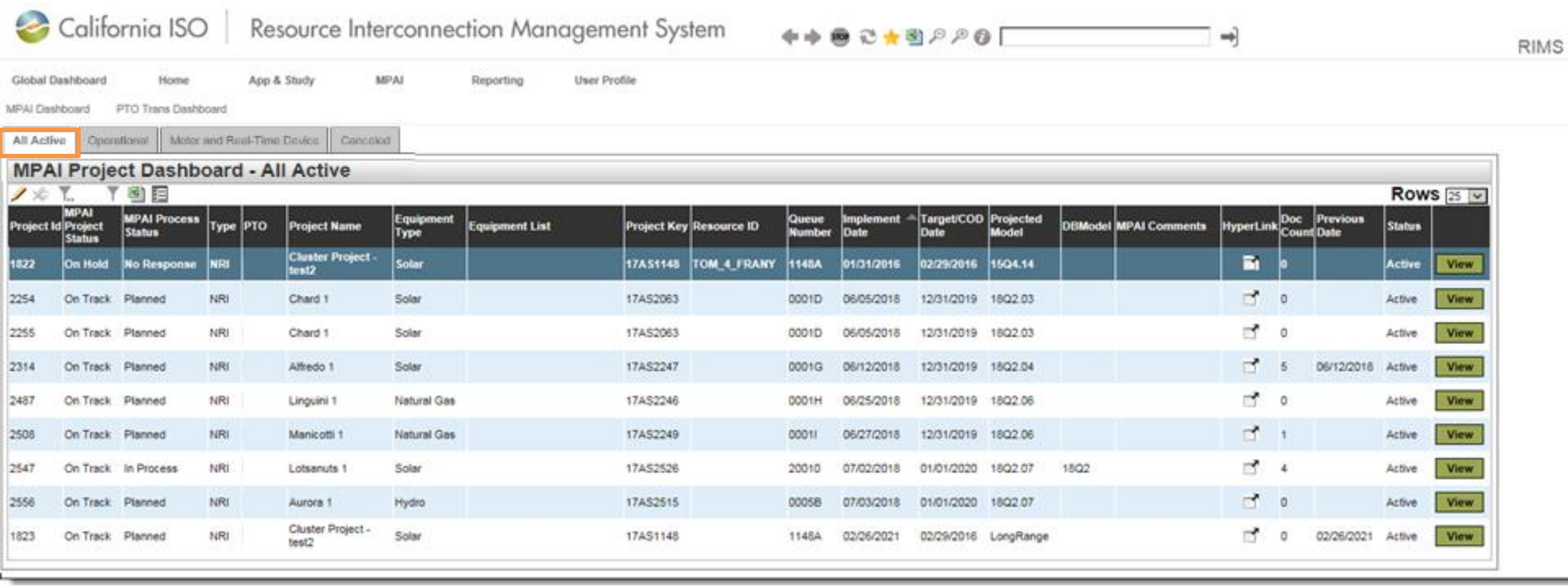
https://portal.caiso.com/

Navigate to the MPAI Dashboard (Market Participation Asset Implementation)



- Today’s focus is the MPAI Dashboard
- Accessible from the MPAI menu

Market Participation Asset Implementation (MPAI) tabs


California ISO | Resource Interconnection Management System

RIMS

Global Dashboard | Home | App & Study | MPAI | Reporting | User Profile

MPAI Dashboard | PTO Trans Dashboard

All Active | Operational | Meter and Real-Time Device | Cancelled

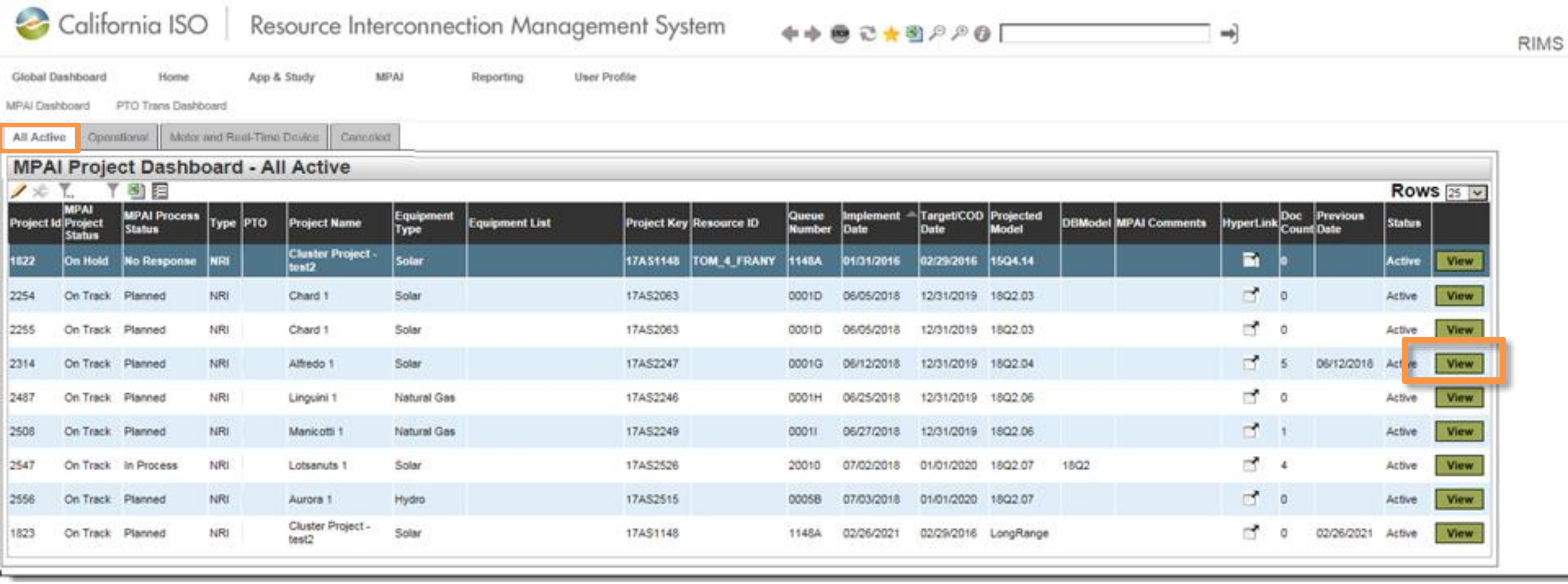
MPAI Project Dashboard - All Active

Rows 25

Project Id	MPAI Project Status	MPAI Process Status	Type	PTO	Project Name	Equipment Type	Equipment List	Project Key	Resource ID	Queue Number	Implement Date	Target/COD Date	Projected Model	DBModel	MPAI Comments	HyperLink	Doc Count	Previous Date	Status	
1822	On Hold	No Response	NRI		Cluster Project - test2	Solar		17AS1148	TOM_4_FRANY	1148A	01/31/2016	02/29/2016	15Q4.14				0		Active	View
2254	On Track	Planned	NRI		Chard 1	Solar		17AS2063		0001D	06/05/2018	12/31/2019	18Q2.03				0		Active	View
2255	On Track	Planned	NRI		Chard 1	Solar		17AS2063		0001D	06/05/2018	12/31/2019	18Q2.03				0		Active	View
2314	On Track	Planned	NRI		Alfredo 1	Solar		17AS2247		0001G	06/12/2018	12/31/2019	18Q2.04				5	06/12/2018	Active	View
2487	On Track	Planned	NRI		Linguini 1	Natural Gas		17AS2246		0001H	06/25/2018	12/31/2019	18Q2.06				0		Active	View
2508	On Track	Planned	NRI		Manicotti 1	Natural Gas		17AS2249		0001I	06/27/2018	12/31/2019	18Q2.06				1		Active	View
2547	On Track	In Process	NRI		Lotsanuts 1	Solar		17AS2526		20010	07/02/2018	01/01/2020	18Q2.07	18Q2			4		Active	View
2556	On Track	Planned	NRI		Aurora 1	Hydro		17AS2515		0005B	07/03/2018	01/01/2020	18Q2.07				0		Active	View
1823	On Track	Planned	NRI		Cluster Project - test2	Solar		17AS1148		1148A	02/26/2021	02/29/2016	LongRange				0	02/26/2021	Active	View

- <u>All Active</u>
  - The default option is the All Active tab where you will see all active projects

MPAI Project Dashboard – All Active

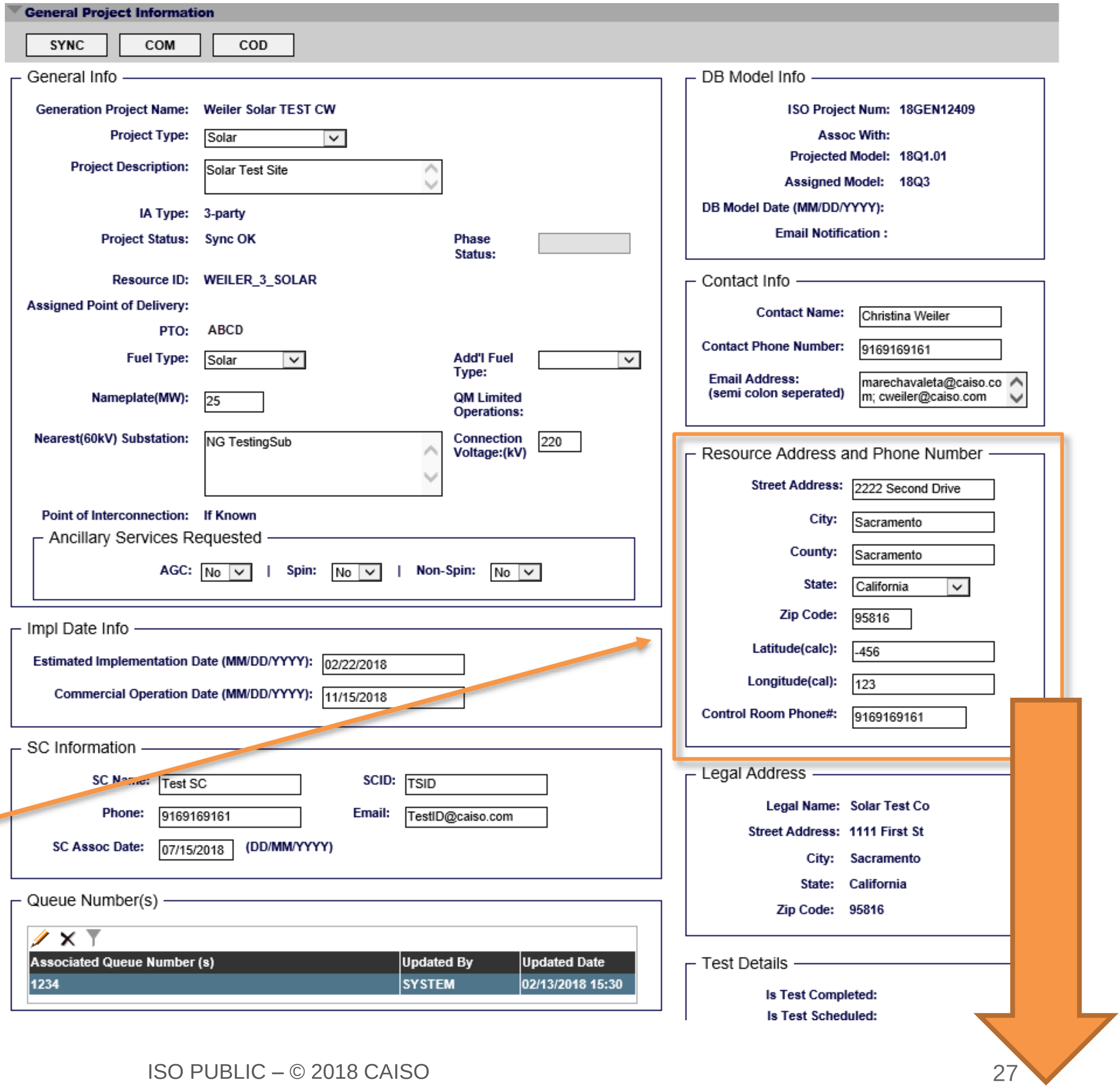


Project Id	MPAI Project Status	MPAI Process Status	Type	PTO	Project Name	Equipment Type	Equipment List	Project Key	Resource ID	Queue Number	Implement Date	Target/COD Date	Projected Model	DBModel	MPAI Comments	HyperLink	Doc Count	Previous Date	Status	
1822	On Hold	No Response	NRI		Cluster Project - test2	Solar		17AS1148	TOM_4_FRANY	1148A	01/31/2016	02/29/2016	15Q4.14				0		Active	View
2254	On Track	Planned	NRI		Chard 1	Solar		17AS2063		0001D	06/05/2018	12/31/2019	18Q2.03				0		Active	View
2255	On Track	Planned	NRI		Chard 1	Solar		17AS2063		0001D	06/05/2018	12/31/2019	18Q2.03				0		Active	View
2314	On Track	Planned	NRI		Alfredo 1	Solar		17AS2247		0001G	06/12/2018	12/31/2019	18Q2.04				5	06/12/2018	Act[illegible]e	View
2487	On Track	Planned	NRI		Linguini 1	Natural Gas		17AS2246		0001H	06/25/2018	12/31/2019	18Q2.06				0		Active	View
2508	On Track	Planned	NRI		Manicotti 1	Natural Gas		17AS2249		0001I	06/27/2018	12/31/2019	18Q2.06				1		Active	View
2547	On Track	In Process	NRI		Lotsanuts 1	Solar		17AS2526		2001O	07/02/2018	01/01/2020	18Q2.07	18Q2			4		Active	View
2556	On Track	Planned	NRI		Aurora 1	Hydro		17AS2515		0005B	07/03/2018	01/01/2020	18Q2.07				0		Active	View
1823	On Track	Planned	NRI		Cluster Project - test2	Solar		17AS1148		1148A	02/26/2021	02/29/2016	LongRange				0	02/26/2021	Active	View

- Click the View button to view an individual project

Project View (top section)

- Shows all of the details for an individual project
- Fields that can be edited have a box around them, all others are read-only
  - For example, these fields can be edited


General Project Information
SYNC | COM | COD

General Info
Generation Project Name: Weiler Solar TEST CW
Project Type: Solar
Project Description: Solar Test Site
IA Type: 3-party
Project Status: Sync OK
Phase Status:
Resource ID: WEILER_3_SOLAR
Assigned Point of Delivery:
PTO: ABCD
Fuel Type: Solar
Add'l Fuel Type:
Nameplate(MW): 25
QM Limited Operations:
Nearest(60kV) Substation: NG TestingSub
Connection Voltage:(kV) 220
Point of Interconnection: If Known
Ancillary Services Requested
AGC: No | Spin: No | Non-Spin: No

Impl Date Info
Estimated Implementation Date (MM/DD/YYYY): 02/22/2018
Commercial Operation Date (MM/DD/YYYY): 11/15/2018

SC Information
SC Name: Test SC
SCID: TSID
Phone: 9169169161
Email: TestID@caiso.com
SC Assoc Date: 07/15/2018 (DD/MM/YYYY)

Queue Number(s)

Associated Queue Number (s)	Updated By	Updated Date
1234	SYSTEM	02/13/2018 15:30

DB Model Info
ISO Project Num: 18GEN12409
Assoc With:
Projected Model: 18Q1.01
Assigned Model: 18Q3
DB Model Date (MM/DD/YYYY):
Email Notification :

Contact Info
Contact Name: Christina Weiler
Contact Phone Number: 9169169161
Email Address: (semi colon seperated) marechavaleta@caiso.com; cweiler@caiso.com

Resource Address and Phone Number
Street Address: 2222 Second Drive
City: Sacramento
County: Sacramento
State: California
Zip Code: 95816
Latitude(calc): -456
Longitude(cal): 123
Control Room Phone#: 9169169161

Legal Address
Legal Name: Solar Test Co
Street Address: 1111 First St
City: Sacramento
State: California
Zip Code: 95816

Test Details
Is Test Completed:
Is Test Scheduled:

Project Memo

Project Memo

Comments	Updated By	Updated Date
Test Memo Entry 3	WERNST	01/17/2018 05:03
Test Memo Entry 2	WERNST	01/17/2018 05:03
Test Memo Entry 1	WERNST	01/17/2018 05:03

- This section contains notes from ISO staff related to:
  - general project comments,
  - documents that are not accepted, or
  - documents that have been conditionally accepted

- Example:
  - If a document was conditionally accepted, you'd see an explanation in the comments field

The ISO uses a bucket date system that is derived from a project's estimated sync date, QF conversion, Pseudo or Dynamic complete date

1. Full Network Model Preparation
2. Regulatory Contracts, Model Testing, and Forecast Preparation
3. Market Preparation
4. Trial Operations Approval
5. Trial Operations
6. Commercial Operation

Bucket Items

Bucket Items

BUCKET 1 — 12/06/2017

Bucket Item Name	Required?	File Accepted
SLD	Yes	No
IA	No	No
3LD	Yes	No
CommBlock	Yes	No
RIGDetails	Yes	No
DYNGEN	Yes	No
PSLF	Yes	No
NetAppInfo	Yes	No
TopoMap - Wind	No	No
SiteInfo - Wind	No	No

BUCKET 2 — 03/14/2018

Bucket Item Name	Required?	File Accepted
TopoMap - Solar	No	No
SiteInfo - Solar	No	No
MeterConfig	Yes	No

BUCKET 3 — 05/28/2018

Bucket Item Name	Required?	File Accepted
FinalGRDT	Yes	No
PIRPLOI	No	No
CECPreCert	No	No
ControlProtection	Yes	No
SCSelection	Yes	No
SCAcceptance	Yes	No
24HourContact	Yes	No
CPSAgreement	Yes	No
ECNAgreement	Yes	No

BUCKET 4 — 06/17/2018

Bucket Item Name	Required?	File Accepted
PTO Sync Approval	Yes	No

BUCKET 5 — 06/26/2018

Bucket Item Name	Required?	File Accepted
PORCalc	Yes	No
MSVS	Yes	No
Final Control Protection	Yes	No

- The documents necessary to complete project phases are called bucket items

- Submit bucket items based on those that are required for your project

Bucket Items

Bucket Items

BUCKET 1 — 12/06/2017

Bucket Item Name	Required?	File Accepted
SLD	Yes	No
IA	No	No
3LD	Yes	No
CommBlock	Yes	No
RIGDetails	Yes	No
DYNGEN	Yes	No
PSLF	Yes	No
NetAppInfo	Yes	No
TopoMap - Wind	No	No
SiteInfo - Wind	No	No

BUCKET 2 — 03/14/2018

Bucket Item Name	Required?	File Accepted
TopoMap - Solar	No	No
SiteInfo - Solar	No	No
MeterConfig	Yes	No

BUCKET 3 — 05/28/2018

Bucket Item Name	Required?	File Accepted
FinalGRDT	Yes	No
PIRPLOI	No	No
CECPreCert	No	No
ControlProtection	Yes	No
SCSelection	Yes	No
SCAcceptance	Yes	No
24HourContact	Yes	No
CPSAgreement	Yes	No
ECNAgreement	Yes	No

BUCKET 4 — 06/17/2018

Bucket Item Name	Required?	File Accepted
PTO Sync Approval	Yes	No

BUCKET 5 — 06/26/2018

Bucket Item Name	Required?	File Accepted
PORCalc	Yes	No
MSVS	Yes	No
Final Control Protection	Yes	No

- Bucket dates will change anytime the implementation, conversion, pseudo or dynamic complete date is moved
- Items can be completed early and out of order, but <u>must</u> be accepted by the ISO by the bucket date

Submit documentation <u>in advance</u> of the bucket approval dates and track approval status to keep project on schedule

- These dates should be viewed as ISO acceptance dates ***not*** the last day to submit information, forms or details required to move the project forward
- If a bucket is not completed by its approval deadline a new synchronization/QF conversion/completion date needs to be submitted in order to move the approval deadline into the future
- The New Resource Implementation Guide explains each step along the way

Bucket Notes

Bucket Notes:

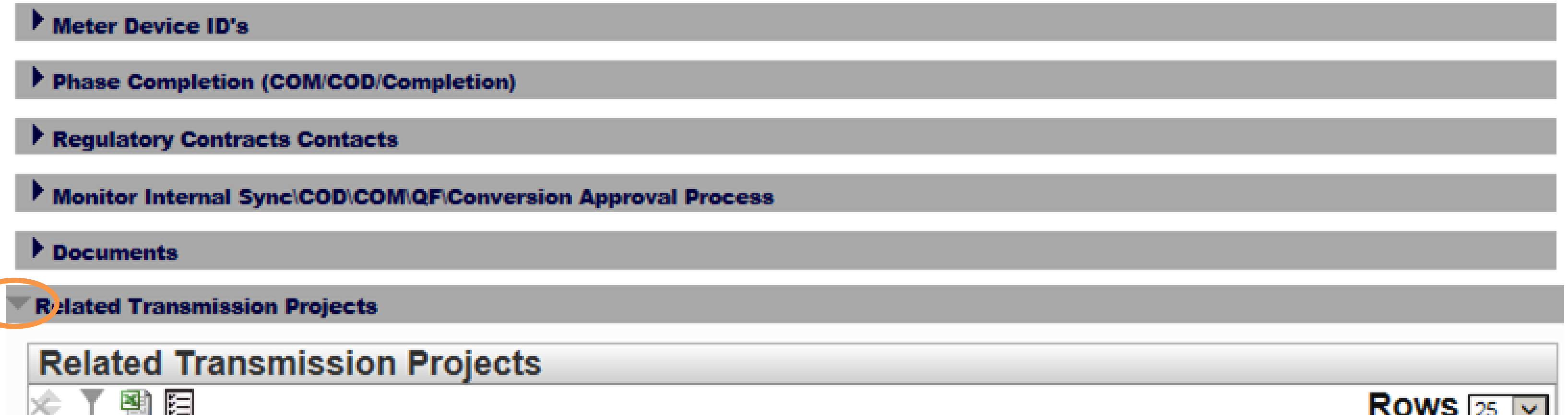
11 - 20 of 56

Bucket Item Name	Bucket Notes	Updated By	Updated Date
IC Request	Initial Synchronization Approval Completed	TFRANYOVICH	11/14/2017
IC Request	Ops Readiness Dir-SYNC ACCEPTED 11/14/2017	TFRANYOVICH	11/14/2017
IC Request	Ops Readiness-SYNC ACCEPTED 11/14/2017	TFRANYOVICH	11/14/2017
IC Request	QM-SYNC ACCEPTED 11/14/2017	TFRANYOVICH	11/14/2017
IC Request	MCI-SYNC ACCEPTED 11/14/2017	TFRANYOVICH	11/14/2017
IC Request	COC-SYNC ACCEPTED 11/14/2017	TFRANYOVICH	11/14/2017
IC Request	EDAS-SYNC ACCEPTED 11/14/2017	TFRANYOVICH	11/14/2017
IC Request	IC Request SYNC - Sent To All Internal BU Tue Nov 14 21:11:59 UTC 2017*** The Request of SYNC is projected to be completed by Fri Nov 24 21:11:59 UTC 2017	RTESTER05X3588	11/14/2017
IC Request	IC Request SYNC - Sent To All Internal BU Tue Nov 14 21:11:59 UTC 2017	RTESTER05X3588	11/14/2017
PSLF	Accepted 11/13/2017 17AS2494 PSLF VER1.docx	TFRANYOVICH	11/13/2017

- This section contains system generated notes on what documents have been:
  - received,
  - accepted,
  - not accepted, or
  - conditionally accepted
- The most recent item appears at the top of the list

Project View (bottom section)

- The bottom of the screen is separated into a series of sections that expand/collapse when you click on the caret icon



Queue Number	Project Key	PTO	Project Name	Equipment Type	Equipment List	Resource ID	Implement Date	Target/COD Date	DBModel	Status
1223	ET0994	ABCD	Pinenut 1	BREAKER(S)			11/13/2017	11/13/2017	18Q2	

Regulatory Contracts Contacts

Regulatory Contracts Contacts

Regulatory Contracts Contacts

Type	First Name	Last Name	Title	Organization	Address	State	Zip	Phone	Email
NRI Primary	RIMS	Tester05		Test Entity - Merchant					RIMSTester05@caiso.com

- Use this area to edit or update contact information for your regulatory contracts

- This section is populated when the Project Details Form is loaded into RIMS

- It is important to ensure that you have set up a primary, secondary, and signatory contact for the regulatory contracts

Use the Documents section to upload documents to the various buckets

Documents

Uploaded Files

1 - 10 of 17

Document Group	Document Type	File Name	Sharepoint Link	Uploaded Status	User	Uploaded Date	Comment
NRI	PTO Sync Approval	17AS2494 PTO Sync Approval VER1.docx		SUCCESS	TFRANYOVICH	11/13/2017	0 Comments
NRI	SCSelection	17AS2494 SCSelection VER1.docx		SUCCESS	TFRANYOVICH	11/13/2017	0 Comments
NRI	SCAcceptance	17AS2494 SCAcceptance VER1.docx		SUCCESS			
NRI	PSLF	17AS2494 PSLF VER1.docx		SUCCESS			
NRI	NetAppInfo	17AS2494 NetAppInfo VER1.docx		SUCCESS			
NRI	FinalGRDT	17AS2494 FinalGRDT VER1.xlsx		SUCCESS			
NRI	IA	17AS2494 IA VER1.docx		SUCCESS			
NRI	FinalControlProtection	17AS2494 FinalControlProtection VER2.docx		SUCCESS			
NRI	ECNAgreement	17AS2494 ECNAgreement Ver1.docx		SUCCESS			
NRI	DYNGEN	17AS2494 DYNGEN Ver1.docx		SUCCESS			

Upload Project Files

Files must follow the naming convention specified in the NRI Guide as this is used to identify the files and link them to the respective bucket item

- Both Read-Only and Write users can upload documents

Special note regarding SharePoint Link in Documents section

Documents

Uploaded Files

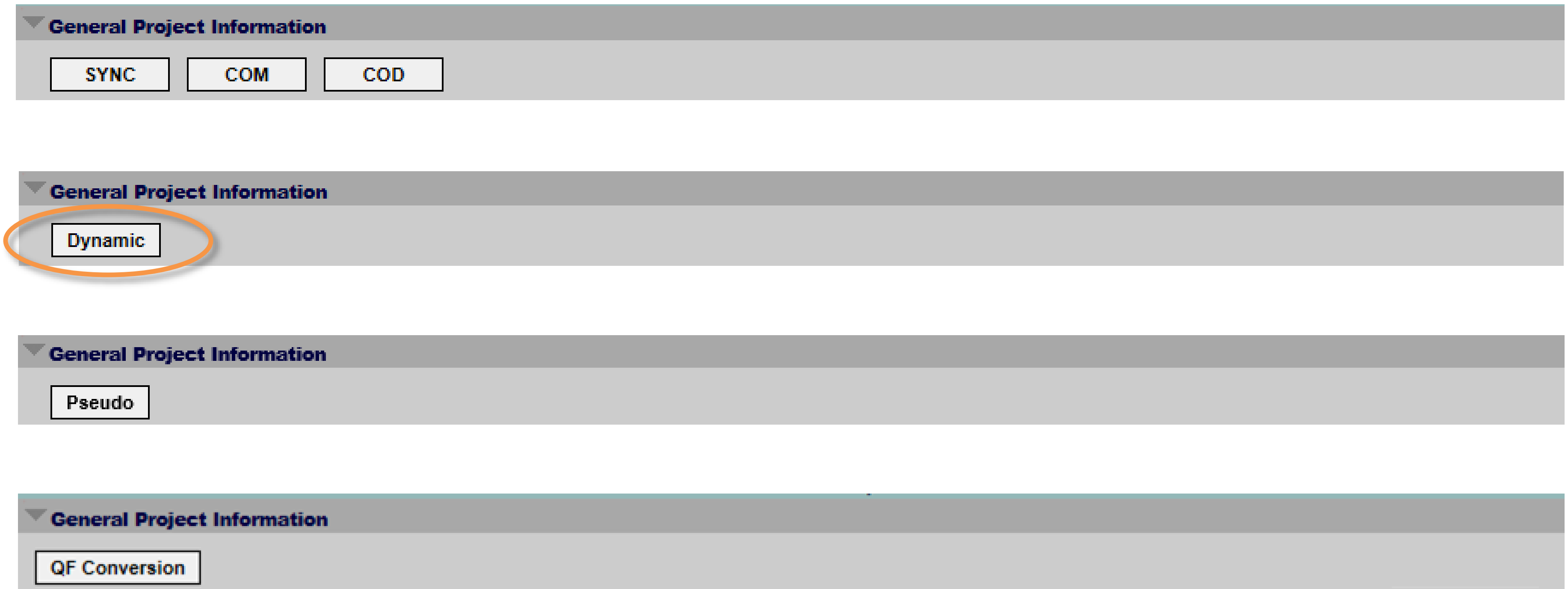
1 - 10 of 17

Document Group	Document Type	File Name	Sharepoint Link	Uploaded Status	User	Uploaded Date	Comment
NRI	PTO Sync Approval	17AS2494 PTO Sync Approval VER1.docx		SUCCESS	TFRANYOVICH	11/13/2017	0 Comments
NRI	SCSelection	17AS2494 SCSelection VER1.docx		SUCCESS	TFRANYOVICH	11/13/2017	0 Comments
NRI	SCAcceptance	17AS2494 SCAcceptance VER1.docx		SUCCESS	TFRANYOVICH	11/13/2017	0 Comments
NRI	PSLF	17AS2494 PSLF VER1.docx		SUCCESS	TFRANYOVICH	11/13/2017	0 Comments
NRI	NetAppInfo	17AS2494 NetAppInfo VER1.docx		SUCCESS	TFRANYOVICH	11/10/2017	0 Comments

- Click on the icon in the SharePoint link field to download the file for viewing
- Changes to the file must be uploaded to RIMS again
- Only documents that have been uploaded to RIMS can be reviewed by the ISO

Project View: Buttons at the top of the screen vary based on project type and status of project

- Examples of the buttons you'll see based on project type:
- These buttons start off greyed out



Project View: Buttons at the top of the screen vary based on project type and status of project

- When the project has reached the point where you can request to sync or enter the market, the button will turn green

- In this example, click on the Dynamic button when you are ready to move forward and it will initiate the approval process
- The button will stay green and you will see a list of approvers in the Monitor Approval Process section

Monitor Internal Sync/COD/COM/QF/Conversion or Completion approval process (Read Only)

Monitor Internal Sync\COD\COM\QF\Conversion Approval Process

Monitor Approval Process

Business Unit	Request Type	Approval Status	Approver	Approval Date
OE South	COD	ACCEPTED	TFRANYOVICH	11/14/2017
OE North	COD	ACCEPTED	TFRANYOVICH	11/14/2017
QM	COD	ACCEPTED	TFRANYOVICH	11/14/2017
Ops Readiness	COD	ACCEPTED	TFRANYOVICH	11/14/2017
Ops Readiness Dir	COD	ACCEPTED	TFRANYOVICH	11/14/2017
Market Service Dir	COD	ACCEPTED	TFRANYOVICH	11/14/2017
COC	COD	ACCEPTED	TFRANYOVICH	11/14/2017
EDAS	SYNC	ACCEPTED	TFRANYOVICH	11/14/2017
MCI	SYNC	ACCEPTED	TFRANYOVICH	11/14/2017
QM	SYNC	ACCEPTED	TFRANYOVICH	11/14/2017
Ops Readiness	SYNC	ACCEPTED	TFRANYOVICH	11/14/2017
Ops Readiness Dir	SYNC	ACCEPTED	TFRANYOVICH	11/14/2017
COC	SYNC	ACCEPTED	TFRANYOVICH	11/14/2017

- This section is populated with a list of approvers and the status when you initiate a request to Sync your project, or submit a request for Commercial Operations Date (COD), Commercial Operations for Markets (COM), or QF conversion request
- Use this section to monitor the approval process

Phase Completion (Read Only)

- Once a project sync, request for COM, or request for COD has been approved, the phase will appear on this list

- Example: A finished COM or COD notification in the Bucket Notes means the project phase is complete
  - At that time, the Phase Status in this section will show up on the list

Meter Device IDs (Read Only)

Meter Device ID's

Meter Device IDs

Meter Device ID	Meter Label
2112	Test
2113	Test 2

- This section shows the Meter Device IDs that are associated with this project

- These IDs are entered by the ISO

Related Transmission Projects (Read Only)

Related Transmission Projects

Related Transmission Projects

Rows 25

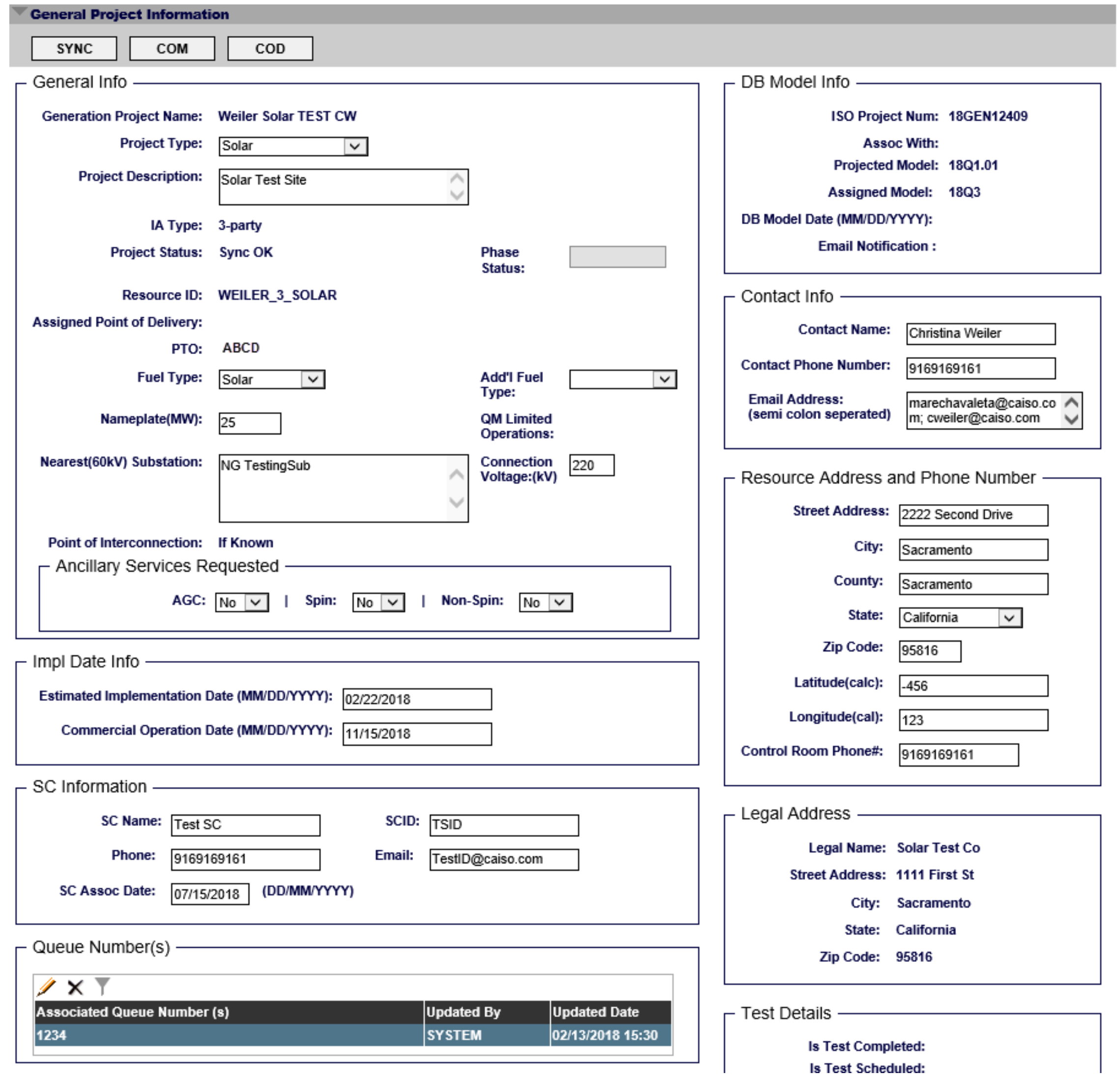
Queue Number	Project Key	PTO	Project Name	Equipment Type	Equipment List	Resource ID	Implement Date	Target/COD Date	DBModel	Status
1223	ET0994	ABCD	Pinenut 1	BREAKER(S)			11/13/2017	11/13/2017	18Q2	

- If there is a transmission project related to your NRI project, it will show up on this list

- Your NRI project cannot go operational until the related transmission projects are complete

Review: What can I do from the Project View screen?

- ✓ Upload documents for each bucket item
- ✓ Edit/adjust dates
- ✓ Add and edit contact information
- ✓ Provide additional project information updates

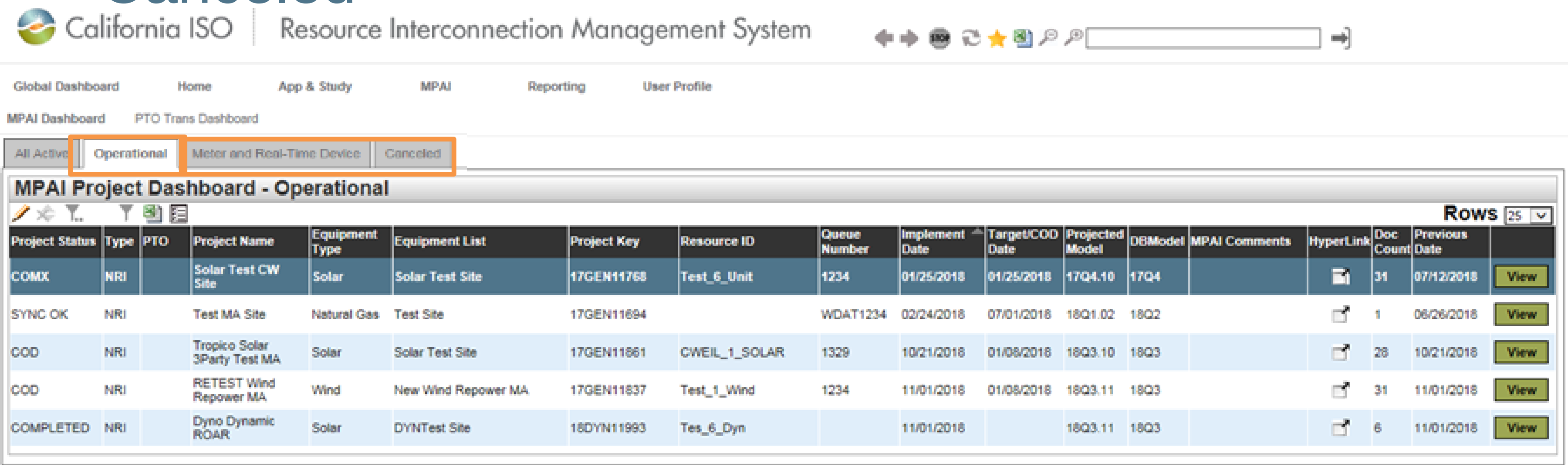


Project information updates

- Moving a Sync/QF conversion/Pseudo/Dynamic date
  - When the appropriate conditions and approvals have been met, users can request approval for:
    - Project Synchronization (Sync OK)
    - Commercial Operations Date (COD)
    - Commercial Operations for Markets (COM)
    - Completion of a QF Conversion, Pseudo, Dynamic
- Note that moving dates will also move the associated Bucket dates

- Refer to section 3 of the NRI Guide for more information about moving dates

Other tabs: Operational, Meter and Real-Time Device, Canceled

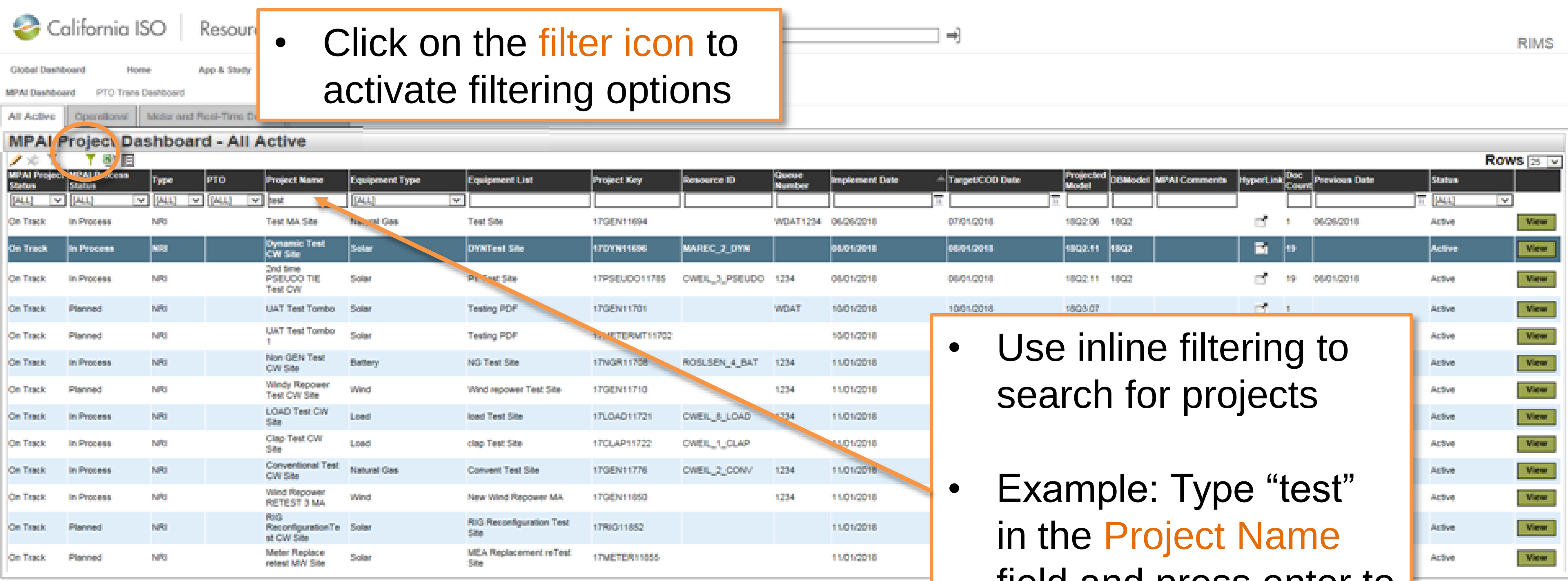


Project Status	Type	PTO	Project Name	Equipment Type	Equipment List	Project Key	Resource ID	Queue Number	Implement Date	Target/COD Date	Projected Model	DBModel	MPAI Comments	HyperLink	Doc Count	Previous Date	
COMX	NRI		Solar Test CW Site	Solar	Solar Test Site	17GEN11768	Test_6_Unit	1234	01/25/2018	01/25/2018	17Q4.10	17Q4			31	07/12/2018	View
SYNC OK	NRI		Test MA Site	Natural Gas	Test Site	17GEN11694		WDAT1234	02/24/2018	07/01/2018	18Q1.02	18Q2			1	06/26/2018	View
COD	NRI		Tropico Solar 3Party Test MA	Solar	Solar Test Site	17GEN11861	CWEIL_1_SOLAR	1329	10/21/2018	01/08/2018	18Q3.10	18Q3			28	10/21/2018	View
COD	NRI		RETEST Wind Repower MA	Wind	New Wind Repower MA	17GEN11837	Test_1_Wind	1234	11/01/2018	01/08/2018	18Q3.11	18Q3			31	11/01/2018	View
COMPLETED	NRI		Dyno Dynamic ROAR	Solar	DYNTest Site	18DYN11993	Tes_6_Dyn		11/01/2018		18Q3.11	18Q3			6	11/01/2018	View

- Any project with a status of On Hold, SYNC OK, COM, COD, or Complete will be under the Operational tab
- Additional tabs exist for other items:
  - Meter and Real-Time Device
  - Canceled

SORTING AND FILTERING DATA

Dashboard: Sorting and filtering

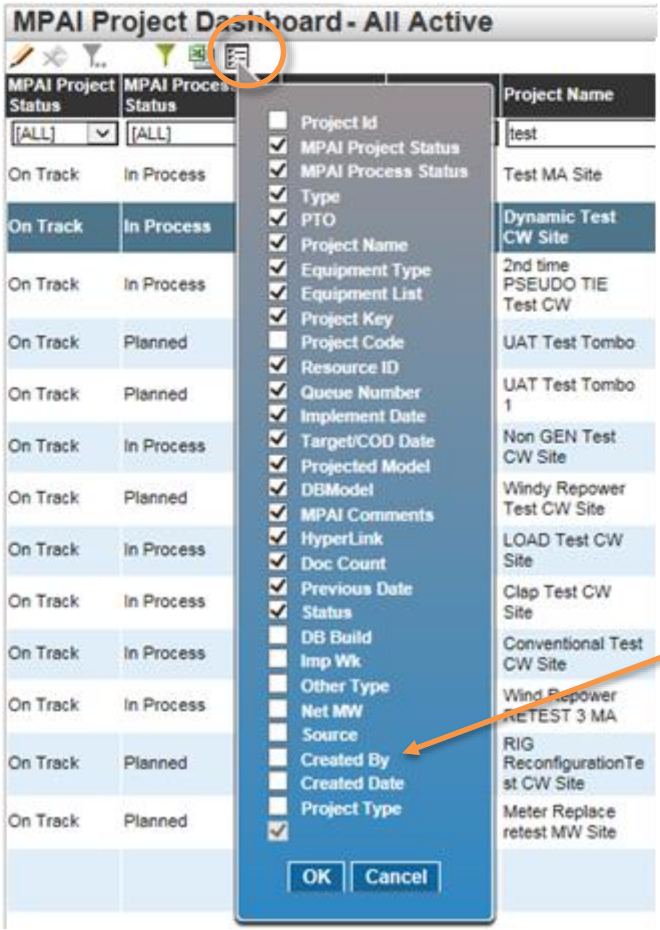


- Click on the filter icon to activate filtering options

- Use inline filtering to search for projects

- Example: Type "test" in the Project Name field and press enter to view all projects that contain that word

Dashboard: Adjust Columns



- Use the Adjust Columns icon to add or remove columns from the display

- Example: Add the Created By column to see who created the entry

Dashboard: Sort Ascending/Descending

Implement Date	Target/COD Date	Previous Date
08/01/2018	08/01/2018	
08/01/2018	08/01/2018	08/01/2018
10/01/2018	10/01/2018	
10/01/2018	10/01/2018	
11/01/2018	11/01/2018	
11/01/2018	11/01/2018	
11/01/2018	11/01/2018	
11/01/2018	11/01/2018	11/01/2018
11/01/2018	11/15/2018	11/01/2018
11/01/2018	11/01/2018	11/01/2018

- Click on a column heading to sort the data
- The caret symbol will toggle between the ascending/descending sort

Dashboard: Rearrange Columns

Implement Date	Target/COD Date	Previous Date
08/01/2018	08/01/2018	
08/01/2018	08/01/2018	08/01/2018
10/01/2018	10/01/2018	
10/01/2018	10/01/2018	
11/01/2018	11/01/2018	
11/01/2018	11/01/2018	
11/01/2018	11/01/2018	
11/01/2018	11/01/2018	11/01/2018
11/01/2018	11/15/2018	11/01/2018
11/01/2018	11/01/2018	11/01/2018
11/01/2018		11/01/2018

- Click on a column and drag it left or right to adjust the order of the data display
- The column will float along with your cursor movement until you place the column in the desired location

SUMMARY

NRI and MPAI processes are changing

- All New Resource Implementation (NRI) and Market Participant Asset Implementation (MPAI) requests will be managed through the RIMS application

- After go-live, the previous process of submitting these requests via email will not be supported

Getting ready for go-live: UAA related tasks

- Ensure your company has set up a User Access Administrator (UAA) to manage access to all projects
- UAAs validate projects that are linked to their organizations to ensure they have the ability to provision access to projects in RIMS
- Ensure that future RIMS users are set up in AIM and have valid certificates installed on their machines

Where to go for more information

- Establish a User Access Administrator
  - http://www.caiso.com/Documents/Presentation-UserAccessAdministratorForm-Access-ResourceInterconnectionManagementSystemRIMS5.pdf

- How to Grant access to RIMS
  - http://www.caiso.com/Documents/HowtoGrantAccesstoResourceInterconnectionManagementSystem.pdf

- Updated NRI Guide and RIMS user guide to be posted

- Contact NRI@caiso.com with questions regarding the NRI process

Questions?

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