



# New Resource Implementation

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# Objectives

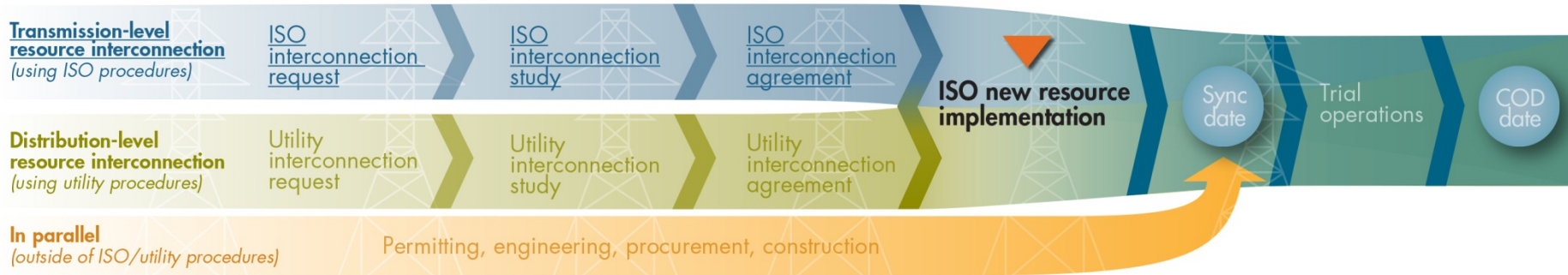
- New Resource Implementation (NRI) process
  - Getting started
  - Bucket Requirements
  - RIMS Reminders
  - Tips for success
  - Full Network Model Schedule
  - GRDT Updates
- Hybrid Resources
- NRI Hot Topics in 2021!

# NRI Process

Andrew Brown, Sr. Resource Implementation Analyst

# Interconnection Process Map

You are here



For some interconnection customers (IC), such as distribution connected and QF resources, New Resource Implementation (NRI) will be the first point of contact at the ISO.

New Resource Implementation ensures that a resource requirements are met before:

- Initial sync
- Commercial operations
- Qualified Facility conversions

# Getting Started

[Home](#) > [Participate](#) > New Resource Implementation

## New Resource Implementation process and requirements

This webpage contains the guidelines, deliverables and activities needed during the final 203 days of interconnection projects to successfully complete resource implementation to the ISO grid.



### Getting started

- 1 Determine how to start a project at the ISO.**  
Using the resource list below, determine how you will submit your project request to the ISO.

NRI  
Email

Resource project types to be created through NRI:

- Distributed Energy Resource (DERP)
- SCME EIM onboarding
- SCME EIM Updates
- Existing resources converting from ISOME to SCME

Use:

- ➔ [New Resource Implementation Quick Start Guide](#)
- ➔ [Project Details Form](#)

RIMS  
UI

All other project types to be created through RIMS:

Use:

- ➔ [RIMS Quick Start Guide](#)
- ➔ [RIMS Project Details Form](#)
- ➔ [Create RIMS Project](#)



- 2 Review [New Resource Implementation Guide](#)**  
Follow the guide to ensure a smooth transition from build to bid in the ISO markets



- 3 Review [New Resource Implementation Checklist](#)**  
The checklist provides requirements based on project type.

If you have questions, please submit them either through the CIDI application or using the [Contact Us](#) form. If you have a project code, please include it (i.e. 19GEN1234) in the Subject field in CIDI. If submitting your question(s) through [Contact Us](#), please select "Other" from the subject drop down and include the project code, if you have one, in the Comment field.

# Creating a project

The first step of the NRI process is to:

- Submit a Project Details Form through the [RIMS Public Site](#)  
Participate → Generation → New resource implementation → Create RIMS project
- Submit Project in advance of your estimated initial sync or Implementation date
- Once successfully submitted, your project will be assigned a NRI project code (i.e. 21GEN1234)
- You will need this project code to get access to your project in RIMS

# 2021 Full Network Model Schedule

- Submission Deadline
- Review Period
- Final Scope Published
- Production Deployment
- Master File Data Freeze

<b>FNM Label</b>	<b>Customer Model Document Submission Deadline</b>	<b>ISO Publishes Final Scope</b>	<b>Production Deployment</b>
21M2_DB102	10/23/2020	11/13/2020	<b>Week of 2/1/2021</b>
21M3_DB103	12/17/2020	1/7/2021	<b>Week of 3/15/2021</b>
21M4_DB104	2/4/2021	2/25/2021	<b>Week of 4/26/2021</b>
21M6_DB105	3/11/2021	4/1/2021	<b>Week of 6/7/2021</b>
21M7_DB106	4/15/2021	5/6/2021	<b>Week of 7/19/2021</b>
21M8_DB107	5/27/2021	6/17/2021	<b>Week of 8/23/2021</b>
21M10_DB108	7/8/2021	7/29/2021	<b>Week of 10/4/2021</b>
21M11_DB109	8/19/2021	9/9/2021	<b>Week of 11/15/2021</b>

# Bucket Requirements

## Bucket Items

### BUCKET 1 10/08/2021

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	Yes	No
SiteInfo	Yes	No

### BUCKET 2 10/08/2021

Bucket Item Name	Required?	File Accepted
MeterConfig	Yes	No

### BUCKET 3 12/01/2021

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

### BUCKET 4 12/21/2021

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

### BUCKET 5 12/30/2021

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



# GRDT Supporting Docs now required

- Supporting explanation is required with GRDT giving details of how the resources design capabilities were calculated (Section 4.6.4)
- Submit into RIMS in an excel format with the following file naming convention:

Document Title: **GRDT Explanation**

File naming ex: 21GEN1234 FinalGRDT Explanation Ver1

Document Title: **GRDT Supporting Docs**

File naming ex: 21GEN1234 FinalGRDT Supporting Doc Ver1

# RIMS Reminders

- Keep project information current and accurate
- Bucket due dates are automatically enforced by the system
- Status of Bucket Items can be found under Bucket Notes and in the FNM Project emails
- Assigned Model Build can be found in the project view
- Sync/COD approval status can be monitored with the RIMS project view

# Tips for success

- Review the NRI Guide and Checklist
- Review required project and file naming conventions
- Start the NRI process early and submit documents well before due dates
- Get access to your project in RIMS
  - [UAARRequests@caiso.com](mailto:UAARRequests@caiso.com)
- Read all email communications from RIMS
- Include your project code in all email inquiries
- Start/Update Agreements early

# Hybrid Resources

Christina Weiler, Resource Implementation Support Lead

# Hybrid Resources

- Hybrid resource: combination of multiple technologies or fuel sources combined into a single resource with a single point of interconnection
- Hybrid Resources Initiative  
<http://www.caiso.com/StakeholderProcesses/Hybrid-resources>

# Hybrid Resources Initiative

## Hybrid Phase 1 = Co- Located resources

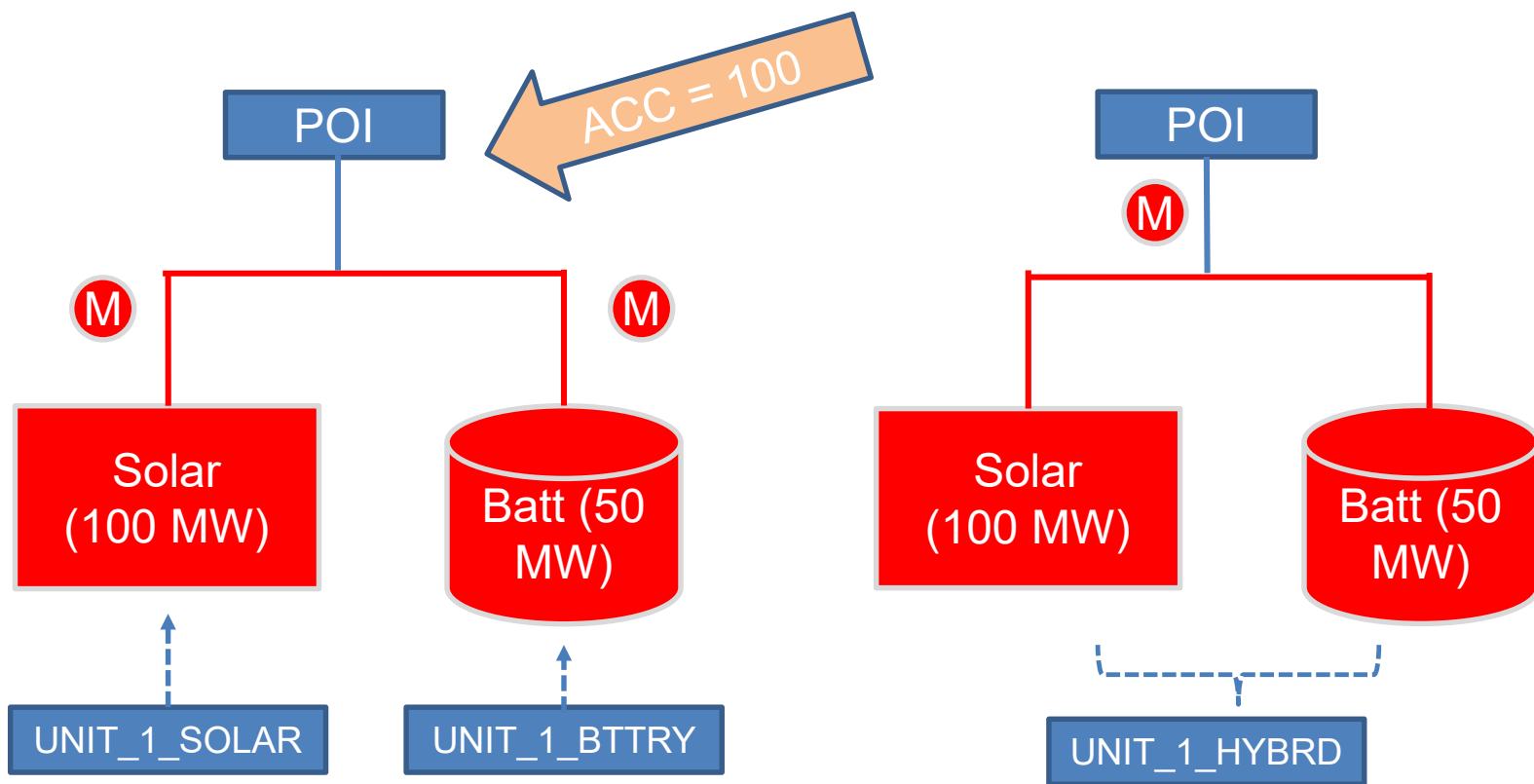
- Deployed Fall of 2020
- Aggregate capability constraint/ Co-located Resources

## Hybrid Phase 2 = Hybrid functionality

- Targeting for October 2021 \*subject to change
- Currently Hybrids can participate as a Battery Storage
- VER MW are required via telemetry

# Co-Located vs Hybrid

- POI Limit = 100 MW's



# Hybrid Resources

- NRI Process Updates
  - Checklist
  - Updated Site Info Sheet (*Solar & Wind*)

Section below is regarding Hybrid Resources only.


If Hybrid please state:	Name plate capacity of solar component:		Name plate capacity of battery:	
	MW Point of Interconnection (POI) Agreement:		Solar Component Forecast:	
Note: "See topographical map" is not acceptable statement on this Solar Site Information Sheet				
Plant Location	Corner #1	Corner #2	Corner #3	Corner #4
Use as many points as necessary to describe the site (Use WGS84 only)				

SC Forecast

ISO Forecast

Component Forecast

Select the forecast source of the Solar Component





# NRI Hot Topics - 2021

Christina Weiler, Resource Implementation Support Lead

# Hot Topic- RIMS Enhancements Phase 2

- New Enhancements for 2021
- Bucket Dates will align with FNM Database Release Schedule
- RIMS User Interface Updates

# Hot Topic- FERC841 and IPE Enhancement

## IPE

- New Bucket 3 Requirement

## FERC 841

- New Project type “Storage” in Project Details Form
- New checkbox for 3 Party Sharing Generation interconnection
  
- New Project Details form (V12) posted
- Updated NRI Guide and Checklist posted

# Resources: NRI Webpage, Checklist, and Guide

- New Resource Implementation webpage:  
<http://www.caiso.com/participate/Pages/NewResourceImplementation/Default.aspx>
- NRI Checklist:  
<http://www.caiso.com/Documents/NewResourceImplementationChecklist.xls>
- NRI Guide:  
<http://www.caiso.com/Documents/NewResourceImplementationGuide.doc>
- Hybrid Initiative  
<http://www.caiso.com/StakeholderProcesses/Hybrid-resources>
- 2021 Full Network Model Schedule  
<http://www.caiso.com/market/Pages/NetworkandResourceModeling/Default.aspx>

# Questions?