

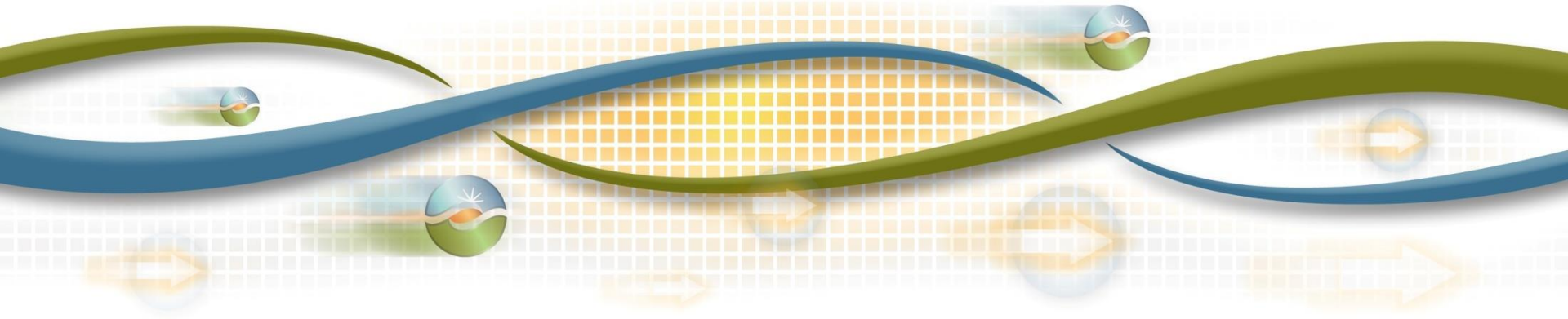


California ISO

# Reliability Requirements Customer Partnership Group

October 2017

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*Operations Lead*



# Customer Partnership Group

## Scope and Objective

- Created in response to customer's request to have more involvement in the planning, design and usability validation phases of ISO application development
- Provide an open interactive partnership forum to identify potential opportunities to improve the overall customer experience
- Share ideas, opinions and provide feedback
- Discuss issues and concerns, and answer customer questions
- All ideas are welcome and will be considered based upon feasibility, prioritization and timeline constraints. Not all ideas may be feasible to implement
- Meetings vary in frequency to review progress, provide feedback on design and usability and discuss implementation approaches
- Active participation is critical to the CPG success and to improve our customer's experience interacting with ISO applications

# Agenda

- Annual RA - 2018
- Market Simulation for RSI

# Annual RA - 2018

# Annual RA - 2018

- 2018 Final NQC and EFC lists posted
- 2018 Import allocation complete
- 2018 RA and Supply Plans due by 10/31
- 2018 Local RA requirement allocation

# Market Simulation for RSI

# Market Simulation

- Simulation starts on 12/05/17 and ends on 01/26/18
- Link to market simulation plan - <http://www.caiso.com/Documents/MarketSimulationPlan-Winter2017Release.pdf>
- ISO will provide draft BPM for review but not a PRR before market simulation

# Market Simulation Scenarios for RSI

- Suppliers & LSEs to upload and download new RA & Supply plan templates
  - Validate annual and monthly plans
  - List local, system & flexible RA
  - Verify cross validation
    - Verify listed local and local validation
  - Verify missing & late plans report
  - Verify system/local capping



# Screen shots from test environment

## Download RA Plan

Submittal Type

Target Period  Month  Year

LSE  Version



Missing  Submitted  Missing/Late Plans

View Reset

LSE	Submittal Type	Submission Date	Plan Month	Plan Year	Missing	Late Days
	M		10	2017	Y	
	M		10	2017	Y	
	M		10	2017	Y	
	M		10	2017	Y	
	M	2017-10-03 00:32:23.0	10	2017	N	46
	M	2017-10-03 00:33:00.0	10	2017	N	46
	M	2017-10-03 00:33:15.0	10	2017	N	46
	M	2017-10-03 00:33:39.0	10	2017	N	46
	M	2017-10-03 00:34:45.0	10	2017	N	46
	M	2017-10-03 00:46:54.0	10	2017	N	46
	M	2017-10-03 00:38:48.0	10	2017	N	46

## Cross Validation Supply Details

Submittal Type	M	Plan Month	10	Plan
Run Num	2502941779619	Plans Effective as of		Rur
SCID	-Select- <input type="button" value="v"/>	Resource ID	<input type="text"/>	
Detail Type	Supply Plans <input type="button" value="v"/>			

 View  Reset

Validation Status	Supplier	Resource ID	Local RA Capacity	System RA Capacity	Supplier's Total RA Capacity (MW)	Effective Start Date	Effective End Date	SCID of LSE	Err
Warning	[REDACTED]	[REDACTED]	10	7	17	10/01/2017 00:00:00	10/31/2017 23:59:59	[REDACTED]	No

## Cross Validation LSE Obligation Details

Submittal Type	M	Plan Month	10	Plan Year	2017
Run Num	2502941779619	Plans Effective as of		Run Comments	
Detail Type	LSE Obligations <input type="button" value="v"/>	LSE	<input type="button" value="v"/>		

Validation Status	LSE	Effective Start Date	Effective End Date	Validation Type	Obligation MW	Plan RA MW	Short/Long (MW)	Obligation Status	TAC
Warning		10/01/2017 00:00:00	10/31/2017 23:59:59	Listed Local	100	0	100	Short	SCE
Warning		10/01/2017 00:00:00	10/31/2017 23:59:59	LCR By Tac	100	0	100	Short	SDG
Warning		10/01/2017 00:00:00	10/31/2017 23:59:59	Listed Local	100	0	100	Short	SDG
Warning		10/01/2017 00:00:00	10/31/2017 23:59:59	LCR By Tac	100	0	100	Short	SCE
Warning		10/01/2017 00:00:00	10/31/2017 23:59:59	Peak Demand	575	0	575	Short	

## Generic Obligation Report

Submittal Type	<input type="button" value="-Submittal Type- v"/>	Start Month	<input type="button" value="-Select- v"/>	End Month	<input type="button" value="-Select- v"/>	Year	<input type="button" value="-Select- v"/>
LRA	<input type="button" value="-Select- v"/>	LSE	<input type="button" value="-Select- v"/>	TYPE	<input type="button" value="-Select- v"/>	TAC	<input type="button" value="-Select- v"/>

# Market Simulation Scenarios for RSI

- Suppliers to validate planned outage substitution obligation
  - System runs OIA & POSO
  - Supplier to view OIA output
    - MW impact
    - Operational RA
  - Supplier to view initial planned outage substitution obligation for RA (initial POSO)
  - ISO to verify CSR output

Run Num : 2502947594107

Detail :

Operational RA

Supplier : -Select-

Resour

Supplier	Resource ID ▲	10/1/2017	10/2/2017	10/3/2017	10/4/2017	10/5/2017	10/6/2017	10/7/2017
	7STDRD_1_SOLAR1							
	ADLIN_1_UNITS							
	ADOBEE_1_SOLAR							
	ALAMIT_7_UNIT 1							
	ALAMIT_7_UNIT 2							

Detail : MW Balance By outage

ResourceID :

OutageID :

Start Date :

End Date :

ID	ResourceID ▲	Impact MW	Short/Long	StartDate	EndDate	OutageId	Outage Status	Priority TS
25054514317				10/28/2017 00:00	10/28/2017 23:59		LATE_TO_START	10/20/2017 10:29
25054514350				10/29/2017 00:00	10/29/2017 23:59		LATE_TO_START	10/20/2017 10:29
25054514387				10/30/2017 00:00	10/30/2017 23:59		LATE_TO_START	10/20/2017 10:29

# Market Simulation Scenarios for RSI

- Suppliers to validate planned outage substitution obligation for new outages
  - Supplier submits new outages
  - Supplier changes outages submitted before T-25
  - System runs OIA & POSO
  - Supplier to view latest POSO runs and changes in POSO
  - ISO to verify CSRMM output

## POSO Assignment Details

Run Num: **2502947594107**

Submittal Type: **Monthly**

Plan Month : **10**

Plan Year : **2017**

Is Initial POSO : **N**

Resource ID :

Outage ID :

SCID :

 **View**  **Cancel**

Date	Initial POSO MW	Latest POSO MW
10/01/2017	0	96.62

Supplier	Resource ID	Outage ID	POSO MW	Nature of Work	Opportunity	Priority Date
[REDACTED]						

# Market Simulation Scenarios for RSI

- Supplier submits planned outage substitution
  - For RA & CPM resources
- Supplier submits forced outage substitution
  - Validate local and system split
  - For RA & CPM resources
- Validate RAIM for above scenarios
- Validate RA report



**Questions?**