



California ISO

Settlement User Group

Sep 25, 2024

10:00 a.m. – 11:00 a.m. (Pacific Time)

Web Conference Information	Conference Call Information
<p>Web Address: https://caiso.webex.com/meet/settlementuser</p> <p>Meeting Number: 961 854 046</p> <p>Audio connection instructions will be available after connecting to the web conference. When prompted, select "Call me" and enter your phone number you will use during the call.</p>	<p>US Toll Free: 1-844-621-3956</p> <p>US Toll : 1- 650-479-3208</p> <p>Access Code: 961 854 046</p>
<p>Calls and webinars are recorded for stakeholder convenience, allowing those who are unable to attend to listen to the recordings after the meetings. The recordings will be publically available on the ISO web page for a limited time following the meeting. The recording, and any related transcriptions, should not be reprinted without the ISO's permission. Hyperlinks in blue in PDF version.</p> <p>The recording will be posted on our website and be available for a short period of time until October 9th, 2024. Please mute your phone while the discussion is going on in order to eliminate background noise, to unmute press and hold the spacebar to temporarily unmute, double mute. Calls are structured to stimulate an honest dialogue and engage different perspectives.</p> <p>To ask a question after each topic, unmute yourself before asking your question, or enter question on the chat</p> <p>please state your name and affiliation. Thank you.</p>	



[mute](#)

Settlement User Group Agenda

Wednesday, Sep 25, 2024

10:00 a.m. – 11:00 a.m. (Pacific Time)

Time	Topic	Presenter
▪ 10:00 – 10:02	▪ Welcome and Introduction	▪ Massih Ahmadi
▪ 10:02 – 11:00	▪ Settlements	
	▪ Independent Release	▪ Massih Ahmadi
	▪ 2024 Fall Release Update	▪ Massih Ahmadi
	▪ RAAIM LESR	▪ Mel Ciubal
	▪ 2024 Fall Release Market Sim Calendar	▪ Assad Al-Baijat
	▪ 2024 Fall Release Milestones	▪ Massih Ahmadi
	▪ BPM/PRR Fall Release	▪ Massih Ahmadi
	▪ AS SOC	▪ Uma Ramanathan
	▪ Training	▪ Massih Ahmadi

Independent Release Update

TEA Project:

- **Market Simulation has been moved to February 2025**

2024 Fall Release Update

Hierarchy Change:

- **CC 6490:**
 - Changed effective date from 11/1/24 to 1/1/2025 since this is a Annual charge code
- There are no BPM/PRR for this change



California ISO

Revise Generic Availability and Flexible Obligation Calculations to resolve for RAAIM LESR issue

Mel Ciubal

Market Services, CAISO

9/25/2024

Resolution

- Update Settlements configuration to ensure:
 - Generic availability does not include capacity below zero.
 - Flexible obligation outage thresholds and outage availability uses the full range capacity from P_{min} (even if negative value) to P_{max} of any resource.
- Formulation configuration only, no primary input change
- Effective Date: 3/1/2023 (retro to T+21M)

Objectives

- Generic awards rely on the Net Qualifying Capacity, NQC, which do not include capacity below zero. So, for generic RA and CPM assessment, restrict to capacity zero and above only.
- Flexible Obligation relies on effective flexible capacity (EFC), which includes full capacity range from P_{min} to P_{max} . So, for flexible RA and CPM assessment, and particularly for resources which can operate at negative P_{min} , include those negative values.
- System calculation needs to follow general principles on the awards of Generic and Flexible RA. The fixes needs to be included in the BPM for Resource Adequacy Assessment Incentive Mechanism (RAAIM) RAAIM PC.

MAPSTAGE Market Simulation for RAAIM LESR fix

- Trade Dates: Oct 1 and Oct 3, mini-monthly
- CIRA UI open for CISO BAA market participants to submit for Oct 2024 month data
(Submit by COB Sep 30, earlier the better):
 1. Supply plan from supplier Scheduling Coordinator
 2. RA plan from Load Serving Entity (LSE)
- SIBR bids
Please submit applicable RA availability bids, in DA and/or RT.
- Outages (optional). For LESRs could submit upper operating limit to be at zero, and keep lower operating limit below zero.

Sample (please use your usual RA plans and bid submissions)

- Resource A (an LESR): P_{min} is negative. P_{max} is positive, say $P_{min} = -10$ and $P_{max} = 10$
- Resource B (traditional generator): P_{min} is 0 or higher. say $P_{min} = 10$ $P_{max} = 75$
- Supply and RA plans submitted
 - Res A: 20 for flex, 10 gen
 - Res B: 50 for flex, 25 for gen
- SIBR bid availability in DA and/or RT as applicable
 - Res A: 20 (covering Up 10, Down -10)
 - Res B: 75

Observe

Outage (optional), for LESR restricts upper operating limit to zero.

Res A: UOL = 0 (unavailable to supply)

Res B: any within its operating range

Expected results:

a) generic availability does not include the negative capacity range

Res A: 10 Res B: 25

b) Flexible obligation includes the full range

Res A: 20 Res B: 50

Additional Notes

All these are prior to succeeding calculations in RAAIM,

For the LESR Res A:

Due to Flex priority over generic obligation, only flex will be satisfied for Res A.

Also, if outage is recognized/approved, the original obligation of 10 generic will be zeroed out (due to outage exemption). And the flex obligation of 20 will be cut to 10 (since it cannot operate on the positive range).

Market Simulation Fall 2024 Calendar (MAP STAGE)



Market Simulation Fall 2024 Calendar (MAP STAGE) Sept 16, 2024 through Oct 14, 2024

Calendar Day	Day	CMRI T+1B	Submit Meter Data by T+2B 10:00 for Initial T+9B	Publish Initial Statement T+5B T+9B	Submit Meter Data by T+5B 18:00 for Recalc T+70B	Publish Recalc Statement T+8B T+70B	Publish Market Invoice
16-Sep-24	Monday						
17-Sep-24	Tuesday						
18-Sep-24	Wednesday	17-Sep					
19-Sep-24	Thursday		17-Sep				
20-Sep-24	Friday	19-Sep					
21-Sep-24	Saturday						
22-Sep-24	Sunday						
23-Sep-24	Monday		19-Sep				
24-Sep-24	Tuesday			17-Sep	17-Sep		
25-Sep-24	Wednesday	24-Sep					
26-Sep-24	Thursday		24-Sep	19-Sep	19-Sep		
27-Sep-24	Friday	26-Sep		Monthly Initial 17-Sep - 19-Sep		17-Sep	Daily Initial 17-Sep; Daily Initial 19-Sep; Monthly Initial 17-Sep - 19-Sep
28-Sep-24	Saturday						
29-Sep-24	Sunday						
30-Sep-24	Monday		26-Sep				
01-Oct-24	Tuesday			24-Sep	24-Sep	19-Sep	
02-Oct-24	Wednesday	1-Oct				Monthly Recalc 17-Sep - 19-Sep	Daily Recalc 17-Sep; Daily Recalc 19-Sep; Monthly Recalc 17-Sep - 19-Sep
03-Oct-24	Thursday		1-Oct	26-Sep	26-Sep		
04-Oct-24	Friday	3-Oct		Monthly Initial 24-Sep - 26-Sep		24-Sep	Daily Initial 24-Sep; Daily Initial 26-Sep; Monthly Initial 24-Sep - 26-Sep
05-Oct-24	Saturday						
06-Oct-24	Sunday						
07-Oct-24	Monday		3-Oct				
08-Oct-24	Tuesday			1-Oct	1-Oct	26-Sep	
09-Oct-24	Wednesday	8-Oct				Monthly Recalc 24-Sep - 26-Sep	Daily Recalc 24-Sep; Daily Recalc 26-Sep; Monthly Recalc 24-Sep - 26-Sep
10-Oct-24	Thursday		8-Oct	3-Oct	3-Oct		
11-Oct-24	Friday	10-Oct		Monthly Initial 01-Oct - 03-Oct		1-Oct	Daily Initial 01-Oct; Daily Initial 03-Oct; Monthly Initial 01-Oct - 03-Oct;
12-Oct-24	Saturday						
13-Oct-24	Sunday						
14-Oct-24	Monday		10-Oct				
15-Oct-24	Tuesday			8-Oct	8-Oct	3-Oct	
16-Oct-24	Wednesday					Monthly Recalc 01-Oct - 03-Oct	Daily Recalc 01-Oct; Daily Recalc 03-Oct; Monthly Recalc 01-Oct - 03-Oct;
17-Oct-24	Thursday			10-Oct	10-Oct		
18-Oct-24	Friday			Monthly Initial 08-Oct - 10-Oct		8-Oct	Daily Initial 08-Oct; Daily Initial 10-Oct; Monthly Initial 08-Oct - 10-Oct;

2024 Fall Release Milestones

Release Milestones:



1st draft config output file + release component summary posted: **8/13/24 - Completed, notification sent**

PRR/BPM have been posted: **8/27/24 - Completed, notification sent**

2nd draft config output file + revised release component summary posted: **9/4/24 – Completed, notification sent**

- Market sim/sample statement window: **9/16 – 10/14**
- Pre-prod configuration output file + release artifact revisions targeting: **10/23**
- Anticipated prod activation: **11/1**

PRR and BPM Updates

Posted on BPM site. These PRRs will be discussed in **Sep/Oct BPM calls**

PRR	PRR Title	Stage
1583	COTP Loss - Defect: Apply losses for the California Oregon Transmission Project (COTP) scheduled into the California Independent System Operator Corporation (CAISO) Balancing Authority Area using COTP capacity made available by Pacific Gas and Electric Company (PG&E) and the Transmission Agency of Northern California (TANC) consistent with the CAISO Tariff.	Recommendation
1584	RAAIM LESR - Defect: Revise the Generic Availability and Flexible Obligation calculations for Limited Energy Storage Resources (LESR) RA resources. Consistent with how generic obligation award is computed only for positive capacity, the generic availability will recognize only bids/availability for the capacity above zero.	Recommendation
1585	TSMSP2 - When updates (with a 6/1/2024 Effective Date) associated with the TSMSP2 project were released to Production with the Summer 2024 Release a defect discovered that entities with ATC Reservations are seeing a doubling of the export quantities associated with that intertie.	Recommendation

Details of the issue

Processing Issue:

- Incorrect AS SOC Flags in RTPD and RTD: In the disputed cases, we are seeing that we received some of the AS SOC constraint flags were incorrect when the resource has NO AS Awards.

Market Issues:

- First issue) In both RTPD and RTD, the code is erroneously creating an AS SOC flag when a binding AS SOC constraint was found in a given interval but the LESR in that same interval has Zero AS awards
- Second issue) In RTD only, the code would not properly analyze the second five-minute interval of a given 15-minute interval, thereby potentially missing some AS SOC flags.

ISO Training Schedule

Training Course	Date and time
Pre-Market Simulation Training for Transmission Service and Market Scheduling Priorities Phase 2 Track 3	Oct. 2nd, 2024 10:00 am -11:30 am

Use our [Pre-Training Release Survey](#) to submit topics that you would like to see covered in the upcoming training.

Are you looking for more training?

The ISO Training Center has computer based training available for lots of topics. Check out the Learning Center: <https://www.caiso.com/stakeholder/training>



Next SUG Meeting: October 9th, 2024 at 10:00 A.M



Settlement User Group Calendar 2024

January						
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

February						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

March						
Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

April						
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

May						
Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

June						
Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

July						
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

August						
Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

September						
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

October						
Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

November						
Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

December						
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Meeting

Holiday

Settlement User Group

Thank you for participating in our call
