

November 15, 2022

The Honorable Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, DC 20426

**RE: California Independent System Operator Corporation
Docket Nos. ER06-615-___ and ER07-1257-___
Market Disruption Report**

Dear Secretary Bose:

The California Independent System Operator Corporation (CAISO) hereby submits its September/October 2022 report covering Market Disruption reportable events under Section 7.7.6 of the CAISO Tariff that occurred from September 16, 2022 through October 15, 2022.¹

Please contact the undersigned with any questions.

Respectfully submitted

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¹ The CAISO submits the Market Disruption report pursuant to *California Independent System Operator Corp.*, 126 FERC ¶ 61,211 (2009) and Section 7.7.6 (d) of the CAISO Tariff (CAISO Tariff Section 7.7.15 was moved into Section 7.7.6 in the CAISO's Administrative Pricing tariff amendment, see *Cal. Indep. Sys. Operator Corp.*, 158 FERC ¶ 61,085 (2016)).



Market Disruption Report September 16, 2022 to October 15, 2022

November 15, 2022

CAISO Market Analysis and Forecasting

California CAISO
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I. Background

A Market Disruption is an action or event that causes a failure of a CAISO Market, related to system operation issues or System Emergencies.¹ Pursuant to Section 7.7.6 of the CAISO Tariff, the California Independent System Operator Corporation (CAISO) can take one or more of a number of specified actions in the event of a Market Disruption, to prevent a Market Disruption, or to minimize the extent of a Market Disruption. The CAISO reports Market Disruption occurrence in any of the following circumstances:

- When any of the CAISO market processes fail to publish, including the Integrated Forward Market (IFM), Residual Unit Commitment (RUC), the Real-Time Market which includes the Hour-Ahead Scheduling Process (HASP), Fifteen Minute Market (FMM), and the Real-Time Dispatch (RTD) processes;
- When the CAISO manually overrides the closing of the Day-Ahead Market; or
- Any time that the CAISO removes Bids from a CAISO Market to prevent a Market Disruption or to minimize the extent of a Market Disruption.

The Market Disruption report contains the following information:

- The frequency and types of actions taken by the CAISO pursuant to Section 7.7.6;
- The nature of the Market Disruptions that caused the CAISO to take action, or the Market Disruptions that were successfully prevented or minimized by the CAISO as a result of taking action, and the CAISO's rationale for taking such actions pursuant to Section 7.7.6;
- Information about the Bids (including Self-Schedules) removed pursuant to Section 7.7.6 (*i.e.*, megawatt quantity, point of interconnection, specification of the Day-Ahead versus Real-Time Bid, and Energy or Ancillary Services Bid); and
- The CAISO's rationale for its removal of Bids (including Self-Schedules) pursuant to Section 7.7.6.²

¹ Section 7.6 and 7.7 of the CAISO Tariff refer to these system operation issues or System Emergencies, respectively. CAISO Tariff, Appendix A, definition of Market Disruption. Capitalized terms not otherwise defined herein have the meanings set forth in the CAISO Tariff.

² *Id.* at P 29 & n.29.

II. Report on Market Disruptions Occurring from September 16, 2022 through October 15, 2022

The CAISO’s report on Market Disruptions that occurred from September 16, 2022 through October 15, 2022, is provided in Table 1 and Attachment A below. Attachment A includes an entry for each reportable Market Disruption event and each indicates:

- (1) The date of the Market Disruption;
- (2) The hour and Dispatch Interval when the Market Disruption ended;
- (3) The type of CAISO Market in which the Market Disruption occurred; and
- (4) A description of the nature of the Market Disruption, the nature of any actions taken by the CAISO, the rationale for such actions, and the Market Disruption prevented or minimized as a result of taking such actions.

For each of the CAISO Markets, Table 1 lists the number of Market Disruptions during the time period covered by this report. As shown in Table 1, there were a total of 128 Market Disruptions for the reporting period.

Table 1: Summary of Market Disruption Report

Type of CAISO Market	Market Disruption or Reportable Events
Day-Ahead	
IFM	0
RUC	0
Real-Time	
Fifteen Minute Market Interval 1	2
Fifteen Minute Market Interval 2	1
Fifteen Minute Market Interval 3	1
Fifteen Minute Market Interval 4	5
Real-Time Dispatch	119

Table 1 above shows the market disruptions in the real time market in order to incorporate the FMM binding intervals.

The frequency of RTD failures increased from 77 to 119 in comparison to the report for the period of August 16, 2022 through September 15, 2022. RTD failures accounted for approximately 93 percent of all of the Market Disruptions during this reporting period.

On October 11th there were 15 RTD interval disruptions due to application time-outs and blocked RTD results. On October 6th, there were 14 (1 FMM, 13 RTD) interval disruptions due to application time-out and market failure. On October 13th, there were 13 (2 FMM, 1 HASP, 10 RTD) interval disruptions due to market patching and application time-out.

The CAISO made resources non-participating in FMM due to market failures on following days – September 26th. The resources were made non-participating strictly to resolve the FMM issues and not due to bidding concerns. Different resources were made non-participating for each day.

The CAISO made resources non-participating in RTD due to market failures on following days – September 25th. The resources were made non-participating strictly to resolve the RTD issues and not due to bidding concerns. Different resources were made non-participating for each day.

Market Disruption for Unique Pricing Feature

The CAISO implemented a feature to ensure unique pricing under a degenerate condition in November 2015, which was implemented along with other pricing enhancements to improve market efficiency.

Table 2 captured below shows the dates and market in which the pricing feature was disabled between September 16, 2022 until October 15, 2022. The uniqueness feature was enabled for all other intervals across all the markets for the timeframe captured in this report.

Table 2: Status of Unique Pricing Feature across Various Markets

The pricing feature was not disabled between September 16, 2022 and October 15, 2022.

ATTACHMENT A

**California Independent System Operator Corporation
Market Disruption Report
November 14, 2022**

Table 3: Market Disruptions, Nature of Actions Taken by the CAISO, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions

Count	Date	Hour	Interval	Market	Nature of Actions, Nature of Market Disruption, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions
1	9/16/2022	4	1	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
2	9/16/2022	4	2	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
3	9/16/2022	4	3	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
4	9/17/2022	1	4	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
5	9/17/2022	1	5	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
6	9/17/2022	1	6	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
7	9/19/2022	4	2	RTD	RTD results were blocked and previous solution used.

Count	Date	Hour	Interval	Market	Nature of Actions, Nature of Market Disruption, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions
8	9/19/2022	24	6	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
9	9/20/2022	3	5	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
10	9/20/2022	3	6	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
11	9/20/2022	3	7	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
12	9/20/2022	3	8	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
13	9/20/2022	24	8	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
14	9/21/2022	15	4	FMM	FMM did not run due to market patching.
15	9/21/2022	15	7	RTD	RTD did not run due to market patching. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
16	9/21/2022	15	8	RTD	RTD did not run due to market patching. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).

Count	Date	Hour	Interval	Market	Nature of Actions, Nature of Market Disruption, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions
17	9/21/2022	15	9	RTD	RTD did not run due to market patching. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
18	9/22/2022	7	8	RTD	RTD failed due to application problem. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
19	9/25/2022	5	1	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
20	9/25/2022	5	2	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
21	9/25/2022	5	3	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
22	9/26/2022	2	1	RTD	RTD results were blocked and previous solution used.
23	9/26/2022	15	1	RTD	RTD results were blocked and previous solution used.
24	9/26/2022	15	8	RTD	RTD results were blocked and previous solution used.
25	9/26/2022	18	7	RTD	RTD results were blocked and previous solution used.

Count	Date	Hour	Interval	Market	Nature of Actions, Nature of Market Disruption, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions
26	9/26/2022	18	8	RTD	RTD results were blocked and previous solution used.
27	9/27/2022	18	1	RTD	RTD results were blocked and previous solution used.
28	9/28/2022	8	1	RTD	RTD results were blocked and previous solution used.
29	9/28/2022	8	2	RTD	RTD results were blocked and previous solution used.
30	9/28/2022	8	3	RTD	RTD results were blocked and previous solution used.
31	9/28/2022	8	4	RTD	RTD results were blocked and previous solution used.
32	9/28/2022	8	5	RTD	RTD results were blocked and previous solution used.
33	9/28/2022	8	6	RTD	RTD results were blocked and previous solution used.
34	9/28/2022	8	8	RTD	RTD results were blocked and previous solution used.
35	9/28/2022	8	11	RTD	RTD results were blocked and previous solution used.

Count	Date	Hour	Interval	Market	Nature of Actions, Nature of Market Disruption, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions
36	9/28/2022	8	12	RTD	RTD results were blocked and previous solution used.
37	9/29/2022	5	1	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
38	9/29/2022	5	2	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
39	9/29/2022	5	3	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
40	9/29/2022	21	1	RTD	RTD results were blocked and previous solution used.
41	9/29/2022	21	2	RTD	RTD results were blocked and previous solution used.
42	9/29/2022	21	3	RTD	RTD results were blocked and previous solution used.
43	9/29/2022	23	1	RTD	RTD results were blocked and previous solution used.
44	9/30/2022	19	4	FMM	FMM failed due to application time-out.
45	10/1/2022	21	1	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).

Count	Date	Hour	Interval	Market	Nature of Actions, Nature of Market Disruption, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions
46	10/1/2022	21	2	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
47	10/1/2022	21	3	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
48	10/3/2022	1	7	RTD	RTD results were blocked and previous solution used.
49	10/3/2022	1	8	RTD	RTD results were blocked and previous solution used.
50	10/3/2022	18	12	RTD	RTD results were blocked and previous solution used.
51	10/4/2022	24	1	DSTUC	DSTUC did not run due to network model promotion.
52	10/4/2022	24	3	FMM	FMM did not run due to network model promotion.
53	10/4/2022	24	4	FMM	FMM did not run due to network model promotion.
54	10/4/2022	24	11	RTD	RTD did not run due to network model promotion. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
55	10/4/2022	24	12	RTD	RTD did not run due to network model promotion. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).

Count	Date	Hour	Interval	Market	Nature of Actions, Nature of Market Disruption, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions
56	10/5/2022	24	1	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
57	10/5/2022	24	2	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
58	10/5/2022	24	3	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
59	10/6/2022	14	4	FMM	FMM failed due to application time-out.
60	10/6/2022	14	8	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
61	10/6/2022	14	9	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
62	10/6/2022	14	11	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
63	10/6/2022	14	12	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
64	10/6/2022	15	1	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).

Count	Date	Hour	Interval	Market	Nature of Actions, Nature of Market Disruption, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions
65	10/6/2022	15	5	RTD	RTD failed due to application problem. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
66	10/6/2022	15	10	RTD	RTD failed due to application problem. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
67	10/6/2022	15	12	RTD	RTD failed due to application problem. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
68	10/6/2022	16	4	RTD	RTD failed due to application problem. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
69	10/6/2022	16	6	RTD	RTD failed due to application problem. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
70	10/6/2022	16	10	RTD	RTD failed due to application problem. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
71	10/6/2022	16	12	RTD	RTD failed due to application problem. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
72	10/6/2022	17	2	RTD	RTD failed due to application problem. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
73	10/7/2022	7	4	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).

Count	Date	Hour	Interval	Market	Nature of Actions, Nature of Market Disruption, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions
74	10/7/2022	7	5	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
75	10/7/2022	7	6	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
76	10/7/2022	16	1	RTD	RTD results were blocked and previous solution used.
77	10/8/2022	1	1	RTD	RTD results were blocked and previous solution used.
78	10/8/2022	1	2	RTD	RTD results were blocked and previous solution used.
79	10/8/2022	11	4	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
80	10/8/2022	11	5	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
81	10/8/2022	11	6	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
82	10/9/2022	10	1	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).

Count	Date	Hour	Interval	Market	Nature of Actions, Nature of Market Disruption, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions
83	10/9/2022	10	2	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
84	10/9/2022	10	3	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
85	10/9/2022	17	4	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
86	10/9/2022	17	5	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
87	10/9/2022	17	6	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
88	10/9/2022	21	3	RTD	RTD did not run due to application problem. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
89	10/9/2022	21	4	RTD	RTD did not run due to application problem. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
90	10/10/2022	12	8	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
91	10/10/2022	12	9	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).

Count	Date	Hour	Interval	Market	Nature of Actions, Nature of Market Disruption, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions
92	10/10/2022	12	10	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
93	10/10/2022	20	4	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
94	10/10/2022	20	5	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
95	10/10/2022	20	6	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
96	10/11/2022	2	8	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
97	10/11/2022	2	9	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
98	10/11/2022	2	10	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
99	10/11/2022	5	8	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
100	10/11/2022	5	9	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).

Count	Date	Hour	Interval	Market	Nature of Actions, Nature of Market Disruption, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions
101	10/11/2022	5	10	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
102	10/11/2022	8	7	RTD	RTD results were blocked and previous solution used.
103	10/11/2022	8	8	RTD	RTD results were blocked and previous solution used.
104	10/11/2022	8	9	RTD	RTD results were blocked and previous solution used.
105	10/11/2022	11	3	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
106	10/11/2022	11	4	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
107	10/11/2022	11	5	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
108	10/11/2022	22	1	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
109	10/11/2022	22	2	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).

Count	Date	Hour	Interval	Market	Nature of Actions, Nature of Market Disruption, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions
110	10/11/2022	22	3	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
111	10/12/2022	15	4	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
112	10/12/2022	15	5	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
113	10/12/2022	15	6	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
114	10/13/2022	16	3	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
115	10/13/2022	16	4	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
116	10/13/2022	16	5	RTD	RTD failed due to application time-out. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
117	10/13/2022	21	4	FMM	FMM did not run due to market patching.
118	10/13/2022	21	7	RTD	RTD did not run due to market patching. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).

Count	Date	Hour	Interval	Market	Nature of Actions, Nature of Market Disruption, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions
119	10/13/2022	21	8	RTD	RTD did not run due to market patching. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
120	10/13/2022	21	9	RTD	RTD did not run due to market patching. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
121	10/13/2022	21	10	RTD	RTD did not run due to market patching. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
122	10/13/2022	22	1	FMM	FMM did not run due to market patching.
123	10/13/2022	22	2	HASP	HASP did not run due to market patching. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
124	10/13/2022	22	8	RTD	RTD did not run due to market patching. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
125	10/13/2022	22	9	RTD	RTD did not run due to market patching. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
126	10/13/2022	22	10	RTD	RTD did not run due to market patching. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
127	10/14/2022	24	10	RTD	RTD results were blocked and previous solution used.

Count	Date	Hour	Interval	Market	Nature of Actions, Nature of Market Disruption, Rationale and/or Market Disruption Prevented or Minimized as a Result of such Actions
128	10/15/2022	1	4	RTD	RTD failed due to application problem. The market results for this interval were filled based on the tariff sections 7.7.9 and 29.7(j).
Notes:					
Integrated Forward Market (IFM): The Day-Ahead Market run in which the CAISO conducts the market for purchases and sales of Energy for all hours of the next Trading Day based on submitted supply and demand bids, and performs the procurement of Ancillary Services.					
Residual Unit Commitment (RUC): The Day-Ahead Market run in which the CAISO conducts unit commitment of additional resources based on submitted availability bids and the forecast of demand for every hour of the next Trading Day.					
Fifteen Minute Market (FMM) Interval 1: The first of a series of four market runs conducted every Trading Hour in advance of the Operating Hour. In this run the CAISO conducts the Market Power Mitigation for submitted Bids, which applies to all of the Real-Time Market processes for the given Trading Hour. In this interval the CAISO also conducts the procurement of incremental Ancillary Services from internal resources and dynamic external resources.					
Fifteen Minute Market (FMM) Interval 2: The second of a series of four market runs conducted every Trading Hour in advance of the Operating Hour during which the CAISO conducts the HASP. In the HASP, the CAISO conducts the procurement and sale of Energy and Ancillary services from non-dynamic System Resources based on submitted Bids and the CAISO Forecast of CAISO Demand. In this interval the CAISO also conducts the advisory procurement of incremental Ancillary Services from internal resources and dynamic external resources from T to T+60 minutes and procurement for the given Trading Hour.					
Fifteen Minute Market (FMM) Interval 3: The third of a series of four market runs conducted every Trading Hour. During this interval the CAISO conducts the commitment of internal Short-Start and Fast Start Units for the Time Horizon of T-30 minutes to T+240 minutes. In this interval the CAISO also conducts the procurement of incremental Ancillary Services from internal resources and dynamic external resources for the given Trading Hour.					
Fifteen Minute Market (FMM) Interval 4: The fourth of a series of four market runs conducted every Trading Hour. This interval is for the Fifteen Minute Market for the T-105 minutes to T+60 minutes time horizon. In this interval the CAISO also conducts 15-minute Ancillary Service Awards for non-Hourly System Resources, internal resources and dynamic external resources for the given Trading Hour.					
Real-Time Dispatch (RTD): The five-minute interval of any given Operating Hour during which the CAISO conducts the market for Energy based on submitted bids and the CAISO Forecast of CAISO Demand.					

CERTIFICATE OF SERVICE

I certify that I have served the foregoing document upon the parties listed on the official service list in the captioned proceedings, in accordance with the requirements of Rule 2010 of the Commission's Rules of Practice and Procedure (18 C.F.R. § 385.2010).

Dated at Folsom, California, this 15th day of November, 2022.

Is/ Anna Pascuzzo
Anna Pascuzzo