

Price Correction Report

Week of September 12 – 16, 2022

Overview

This document is intended to meet the requirements of ISO Tariff section 35.6, and provides the Market Participants with a summary of all price corrections that occurred during the week. For example, report titled with May 5-9, 2014 will cover all corrections made during the week of May 5-9. In a normal situation, it will include trade dates that have price corrections which are due between May 5-9, 2014 based on the five business day for Real-Time market and three business day for Day-Ahead market.

The structure of the report is as follows:

- Price correction listing – this section includes a listing of all the corrections, including market intervals affected, locations, reason (which would tie back to the description of issues section), and method of price correction.
- Description of Issues – this section describes each issue which resulted in a correction in more detail.
- Price-fill report – metrics on the number of empty price intervals that were filled by adjacent interval prices, usually due to failed runs.

For the week covered by this report, **194** intervals were corrected.

The trade dates covered by this report are:

DAM: 9/07/2022 – 9/13/2022

RTM: 9/02/2022 – 9/11/2022

Correction methodologies

The following are the definitions of the correction methodologies used:

Selective recalculation: The CAISO will selectively recalculate incorrect financially binding prices when the invalid prices are isolated and can be corrected such that no other financially binding prices are affected by the correction.

System recalculation: The CAISO will recalculate all prices for the invalidated market interval using corrected or recreated input data, or repaired software as applicable.

Replacement: If the above correction methods are not applicable and practicable, the CAISO shall use, in place of prices for the binding interval of an invalidated market solution, replicated prices from binding or advisory intervals from the validated market solution in which the market conditions were most similar to the market conditions in the invalidated market solution for the affected interval.

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Price Correction Listing

The following is a list of the corrections made during the week, provided with date and time. The number to the left of the reason field corresponds to the issue number in the Description of Issues section. The count of corrected Pnode/Apnode for each corrected interval is listed left to the Affected Location field. In case of many intervals with the same correction reason, instead of providing the exact count of corrected Pnode/Apnode, the range of Pnode/Apnode affected is provided and listed in another table. Please note that there are only flex ramp prices corrections or AS price corrections for those intervals that have the Count of Corrected Pnode/Apnode column missing.

Corrections made through selective recalculation: 194

Date	HE	Intervals	Market	#	Reason	Number of corrected Pnodes/Apnodes	Affected Area
9/2/2022	22	3	RTD	3	Software Defect	1647	Local
9/2/2022	22	4	RTD	3	Software Defect	1637	Local
9/2/2022	17	4	RTPD	2	Software Defect	171	Local
9/2/2022	20	1	RTPD	2	Software Defect	835	Local
9/2/2022	20	2	RTPD	2	Software Defect	649	Local
9/3/2022	18	7-8	RTD	2	Software Defect	191	Local
9/3/2022	18,22	9	RTD	2	Software Defect	194	Local
9/3/2022	22	1	RTD	2	Software Defect	191	Local
9/3/2022	22	10-11	RTD	2	Software Defect	186	Local
9/3/2022	22	12	RTD	2	Software Defect	196	Local
9/3/2022	22	2	RTD	2	Software Defect	187	Local
9/3/2022	22	3	RTD	2	Software Defect	195	Local
9/3/2022	22	7	RTD	2	Software Defect	189	Local
9/3/2022	22-23	8	RTD	2	Software Defect	190	Local
9/3/2022	23	7	RTD	2	Software Defect	191	Local
9/3/2022	16	4	RTPD	2	Software Defect	267	Local
9/3/2022	17	4	RTPD	2	Software Defect	716	Local
9/3/2022	18	2-3	RTPD	2	Software Defect	201	Local
9/3/2022	18	4	RTPD	2	Software Defect	168	Local
9/3/2022	22	1	RTPD	2	Software Defect	191	Local
9/4/2022	22	1-2	RTD	2	Software Defect	188	Local
9/4/2022	22	3	RTD	2	Software Defect	197	Local
9/4/2022	22	4-5	RTD	2	Software Defect	189	Local
9/4/2022	22	6	RTD	2	Software Defect	198	Local
9/4/2022	16	4	RTPD	2	Software Defect	169	Local
9/4/2022	17	3-4	RTPD	2	Software Defect	169	Local
9/4/2022	18	1	RTPD	2	Software Defect	195	Local
9/4/2022	18	4	RTPD	2	Software Defect	170	Local
9/4/2022	22	1	RTPD	2	Software Defect	191	Local
9/5/2022	18	10	RTD	2	Software Defect	762	Local
9/5/2022	18	4	RTD	2	Software Defect	180	Local
9/5/2022	18	9	RTD	2	Software Defect	800	Local
9/5/2022	19	3,6	RTD	3	Software Defect	188	Local
9/5/2022	21	2	RTPD	2	Software Defect	1834	Local
9/5/2022	21	3	RTPD	2	Software Defect	9492	Local
9/6/2022	14	10-11	RTD	2	Software Defect	14871	Local
9/6/2022	14	8	RTD	2	Software Defect	14764	Local

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9/6/2022	14	9	RTD	2	Software Defect	14868	Local
9/6/2022	15	10	RTD	2	Software Defect	14766	Local
9/6/2022	15	2	RTD	2	Software Defect	14872	Local
9/6/2022	15	3	RTD	2	Software Defect	15087	Local
9/6/2022	15	4	RTD	2	Software Defect	15073	Local
9/6/2022	15	5	RTD	2	Software Defect	15115	Local
9/6/2022	15	6	RTD	2	Software Defect	15063	Local
9/6/2022	15	7-8	RTD	2	Software Defect	14765	Local
9/6/2022	16	1	RTD	2	Software Defect	14904	Local
9/6/2022	16	10	RTD	2	Software Defect	2789	Local
9/6/2022	16	11	RTD	2	Software Defect	2802	Local
9/6/2022	16	2-3	RTD	2	Software Defect	14768	Local
9/6/2022	16	4	RTD	2	Software Defect	14901	Local
9/6/2022	16	5,8	RTD	2	Software Defect	14765	Local
9/6/2022	16	6-7	RTD	2	Software Defect	14872	Local
9/6/2022	17	11	RTD	2	Software Defect	6395	Local
9/6/2022	17	12	RTD	2	Software Defect	6400	Local
9/6/2022	17	2-3	RTD	2	Software Defect	207	Local
9/6/2022	17	4	RTD	2	Software Defect	1088	Local
9/6/2022	17	5-6	RTD	2	Software Defect	7351	Local
9/6/2022	17	7	RTD	2	Software Defect	7236	Local
9/6/2022	17	8	RTD	2	Software Defect	7110	Local
9/6/2022	17	9	RTD	2	Software Defect	1001	Local
9/6/2022	22	4	RTD	2	Software Defect	9006	Local
9/6/2022	22	7	RTD	2	Software Defect	986	Local
9/6/2022	22	8	RTD	2	Software Defect	196	Local
9/6/2022	22	9	RTD	2	Software Defect	983	Local
9/6/2022	23	1	RTD	2	Software Defect	984	Local
9/6/2022	14	3	RTPD	2	Software Defect	920	Local
9/6/2022	14	4	RTPD	2	Software Defect	1064	Local
9/6/2022	15	2	RTPD	2	Software Defect	8492	Local
9/6/2022	15	3	RTPD	2	Software Defect	14766	Local
9/6/2022	15	4	RTPD	2	Software Defect	14764	Local
9/6/2022	16	1	RTPD	2	Software Defect	14763	Local
9/6/2022	16	2	RTPD	2	Software Defect	15166	Local
9/6/2022	16	3	RTPD	2	Software Defect	14897	Local
9/6/2022	16	4	RTPD	2	Software Defect	14899	Local
9/6/2022	17	1	RTPD	2	Software Defect	1189	Local
9/6/2022	17	2	RTPD	2	Software Defect	3057	Local
9/6/2022	17	3	RTPD	2	Software Defect	5606	Local
9/6/2022	17	4	RTPD	2	Software Defect	1257	Local
9/6/2022	18	2	RTPD	2	Software Defect	635	Local
9/6/2022	22	4	RTPD	2	Software Defect	989	Local
9/6/2022	23	1	RTPD	2	Software Defect	9493	Local
9/6/2022	23	2	RTPD	2	Software Defect	1110	Local
9/7/2022	18	11-12	RTD	1	Software Defect	17	Local
9/7/2022	19	1	RTD	1	Software Defect	17	Local
9/7/2022	19	11-12	RTD	1	Software Defect	18	Local
9/7/2022	19-20	2	RTD	1	Software Defect	55	Local
9/7/2022	20	1,3	RTD	1	Software Defect	17	Local
9/7/2022	20	10	RTD	1	Software Defect	43	Local
9/7/2022	20	12	RTD	1	Software Defect	16442	Local
9/7/2022	20	4-6	RTD	1	Software Defect	18	Local
9/7/2022	20	7	RTD	1	Software Defect	45	Local
9/7/2022	20	8	RTD	1	Software Defect	47	Local
9/7/2022	20	9	RTD	1	Software Defect	42	Local
9/7/2022	20-21	11	RTD	1	Software Defect	41	Local
9/7/2022	21	1-2	RTD	1	Software Defect	17	Local
9/7/2022	21	12	RTD	1	Software Defect	42	Local

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9/7/2022	22	10	RTD	2	Software Defect	983	Local
9/7/2022	23	1	RTD	2	Software Defect	984	Local
9/7/2022	1	1	RTPD	2	Software Defect	193	Local
9/7/2022	1	4	RTPD	2	Software Defect	191	Local
9/7/2022	18,20	2-3	RTPD	1	Software Defect	17	Local
9/7/2022	18-20	1	RTPD	1	Software Defect	18	Local
9/7/2022	19	2	RTPD	1,2	Software Defect	5106	Local
9/7/2022	19	3	RTPD	1	Software Defect	17	Local
9/7/2022	21	1	RTPD	1	Software Defect	50	Local
9/7/2022	21	2	RTPD	1	Software Defect	17	Local
9/7/2022	21	3	RTPD	1	Software Defect	41	Local
9/7/2022	22	1	RTPD	2	Software Defect	7913	Local
9/7/2022	23	1	RTPD	2	Software Defect	982	Local
9/8/2022	17	11	RTD	1	Software Defect	53	Local
9/8/2022	17	12	RTD	1	Software Defect	58	Local
9/8/2022	18	1	RTD	1,2	Software Defect	760	Local
9/8/2022	18	10-11	RTD	1,2	Software Defect	925	Local
9/8/2022	18	12	RTD	1,2	Software Defect	930	Local
9/8/2022	18	2-3	RTD	1	Software Defect	51	Local
9/8/2022	18	4	RTD	1,2	Software Defect	814	Local
9/8/2022	18	5	RTD	1,2	Software Defect	790	Local
9/8/2022	18	6	RTD	1,2	Software Defect	816	Local
9/8/2022	18	7	RTD	1,2	Software Defect	729	Local
9/8/2022	18	8-9	RTD	1	Software Defect	19	Local
9/8/2022	19	1	RTD	2	Software Defect	825	Local
9/8/2022	19	11	RTD	2	Software Defect	787	Local
9/8/2022	19	2	RTD	2	Software Defect	792	Local
9/8/2022	19	3	RTD	2	Software Defect	748	Local
9/8/2022	19	4,12	RTD	2	Software Defect	788	Local
9/8/2022	19	5-6	RTD	2	Software Defect	796	Local
9/8/2022	19	7-10	RTD	2	Software Defect	760	Local
9/8/2022	20	1	RTD	2	Software Defect	758	Local
9/8/2022	20	2	RTD	2	Software Defect	759	Local
9/8/2022	20	3	RTD	2	Software Defect	761	Local
9/8/2022	20	4	RTD	2	Software Defect	762	Local
9/8/2022	16	1	RTPD	2	Software Defect	5206	Local
9/8/2022	16	2	RTPD	2	Software Defect	5565	Local
9/8/2022	16	4	RTPD	2	Software Defect	14731	Local
9/8/2022	17	1	RTPD	2	Software Defect	135	Local
9/8/2022	17	2	RTPD	2	Software Defect	633	Local
9/8/2022	17	3	RTPD	2	Software Defect	5558	Local
9/8/2022	17	4	RTPD	2	Software Defect	933	Local
9/8/2022	18	1	RTPD	1,2	Software Defect	764	Local
9/8/2022	18	2	RTPD	1,2	Software Defect	275	Local
9/8/2022	18	3	RTPD	1,2	Software Defect	5307	Local
9/8/2022	18	4	RTPD	1,2	Software Defect	5299	Local
9/8/2022	21	1	RTPD	2	Software Defect	1158	Local
9/8/2022	21	2	RTPD	2	Software Defect	742	Local
9/9/2022	17	4	RTPD	2	Software Defect	195	Local
9/10/2022	9	12	RTD	2	Software Defect	9217	Local
9/10/2022	16	1	RTPD	2	Software Defect	191	Local
9/10/2022	16	2-4	RTPD	2	Software Defect	192	Local
9/10/2022	17	1-3	RTPD	2	Software Defect	190	Local
9/10/2022	17	4	RTPD	2	Software Defect	192	Local
9/10/2022	18	1-3	RTPD	2	Software Defect	185	Local

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Corrections made through interval replacement: 0

Corrections made through market rerun: 0

Description of Issues:

1. Software Defect:

- Invalid congestion on NOB_ITC due to a software defect impacting resource dispatch.

Prices were corrected by selective recalculation.

2. Software Defect:

- Invalid shadow price due to a software defect impacting pricing formation.

Prices were corrected by selective recalculation.

3. Software Defect:

- Invalid prices due to a software defect impacting EIM functionality.

Prices were corrected by selective recalculation.

Price Fill Report

A price fill occurs whenever a market run failed to publish to the Settlement system. This usually occurs whenever a market run failed, for example when a market fails to come to a solution. It could also occur when an operator decides that a market is not to be run, for example during a contingency event. Automatic price fills also occur in real-time when an operator chooses to utilize the previous interval's solution for the current interval.

Prices are filled according to the rules in CAISO Tariff section 7.7.9 which states that administrative pricing applies to intervals where we have had a market disruption, and requires the prices to be set differently depending on the number of consecutive market disruptions.

The number of prices which were adjusted by the fill process is as follows.

Total number of filled price intervals: 1

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Date	HE	Intervals	Market
9/4/2022	3	7	RTD

Note: Intervals filled are subject to subsequent price corrections where applicable.

Disconnected Pnode Report

According to Congestion Revenue Rights BPM Section 15, when the IFM cannot identify an electrically connected PNODE within the fixed level of proximity, a post process will be performed to determine the next closest electrically connected PNode and replace the LMP of the disconnected PNode with this price. This price update will be done within the DAM price correction timeline.

The number of prices which were adjusted by the disconnected Pnode process is as follows.

Total number of hours with disconnected pnode price update: 0