Price Correction Report
Week of Jun 27 – Jul 01, 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 occured 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, **155** intervals were corrected.

The trade dates covered by this report are:

DAM: 6/22/2022 – 6/28/2022
RTM: 6/20/2022 – 6/26/2022

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: **152**

Date	HE	Intervals	Market	#	Reason	Number of corrected Pnodes/Apnodes	Affected Area
06/20/2022	18	3	RTPD	4	Software Defect	325	Local
06/21/2022	14	1	RTD	1	Data Input Error	158	Local
06/21/2022	14	2	RTD	1	Data Input Error	155	Local
06/21/2022	14	3	RTD	1	Data Input Error	166	Local
06/21/2022	14	4-5	RTD	1	Data Input Error	196	Local
06/21/2022	15	4-5	RTD	1	Data Input Error	133	Local
06/21/2022	15	6	RTD	1	Data Input Error	144	Local
06/21/2022	18	12	RTD	4	Software Defect	15235	Local
06/21/2022	18	4	RTD	4	Software Defect	15194	Local
06/21/2022	18	5	RTD	4	Software Defect	15231	Local
06/21/2022	18	6	RTD	4	Software Defect	8259	Local
06/21/2022	18	8	RTD	4	Software Defect	15198	Local
06/21/2022	19	11	RTD	4	Software Defect	8189	Local
06/21/2022	19	12	RTD	4	Software Defect	8197	Local
06/21/2022	19	4	RTD	4	Software Defect	8303	Local
06/21/2022	19	5	RTD	4	Software Defect	15288	Local
06/21/2022	19	6	RTD	4	Software Defect	15292	Local
06/21/2022	19	8	RTD	2	Software Defect	317	Local
06/21/2022	14	1-2	RTPD	1	Data Input Error	102	Local
06/21/2022	14	3	RTPD	1	Data Input Error	105	Local
06/21/2022	14	4	RTPD	1	Data Input Error	160	Local
06/21/2022	15	2-3	RTPD	1	Data Input Error	90	Local
06/21/2022	15	4	RTPD	4	Software Defect	274	Local
06/21/2022	17	3	RTPD	4	Software Defect	15181	Local
06/21/2022	17	4	RTPD	4	Software Defect	9027	Local
06/21/2022	18	1	RTPD	4	Software Defect	15198	Local
06/21/2022	18	2	RTPD	4	Software Defect	15215	Local
06/21/2022	18	3	RTPD	4	Software Defect	15228	Local
06/21/2022	18	4	RTPD	4	Software Defect	15192	Local
06/21/2022	19	1	RTPD	4	Software Defect	15273	Local
06/21/2022	19	2	RTPD	4	Software Defect	15278	Local
06/21/2022	19	3	RTPD	4	Software Defect	15287	Local
06/21/2022	19	4	RTPD	4	Software Defect	2903	Local
06/21/2022	20	4	RTPD	4	Software Defect	7850	Local
06/22/2022	11	7-8	RTD	4	Software Defect	13862	Local
06/22/2022	13	10	RTD	4	Software Defect	8980	Local
06/22/2022	13	12	RTD	4	Software Defect	14997	Local
06/22/2022	13	6	RTD	4	Software Defect	14984	Local

06/22/2022	13	7,9	RTD	4	Software Defect	14995	Local
06/22/2022	14	10	RTD	4	Software Defect	14996	Local
06/22/2022	15	11	RTD	4	Software Defect	15060	Local
06/22/2022	15	12	RTD	4	Software Defect	10089	Local
06/22/2022	15	4,6	RTD	4	Software Defect	13999	Local
06/22/2022	15	5	RTD	4	Software Defect	8997	Local
06/22/2022	15	7	RTD	4	Software Defect	10058	Local
06/22/2022	16	1-2	RTD	4	Software Defect	15072	Local
06/22/2022	16	12	RTD	4	Software Defect	14240	Local
06/22/2022	16	3	RTD	4	Software Defect	15074	Local
06/22/2022	16	4-6	RTD	4	Software Defect	15101	Local
06/22/2022	16	7	RTD	4	Software Defect	8141	Local
06/22/2022	16	8	RTD	4	Software Defect	15356	Local
06/22/2022	17	1-3	RTD	4	Software Defect	15035	Local
06/22/2022	17	10	RTD	2	Software Defect	285	Local
06/22/2022	17	12	RTD	4	Software Defect	15347	Local
06/22/2022	17	4	RTD	4	Software Defect	1443	Local
06/22/2022	17	5	RTD	4	Software Defect	1477	Local
06/22/2022	17	6	RTD	4	Software Defect	1292	Local
06/22/2022	17	7	RTD	4	Software Defect	12533	Local
06/22/2022	18	1-2,4-7	RTD	4	Software Defect	15345	Local
06/22/2022	18	10	RTD	4	Software Defect	11746	Local
06/22/2022	18	11	RTD	4	Software Defect	11744	Local
06/22/2022	18	3	RTD	4	Software Defect	15347	Local
06/22/2022	18	8	RTD	4	Software Defect	12555	Local
06/22/2022	19	1-2	RTD	4	Software Defect	11706	Local
06/22/2022	19	11	RTD	4	Software Defect	11462	Local
06/22/2022	19	12	RTD	4	Software Defect	11477	Local
06/22/2022	19	3	RTD	4	Software Defect	12750	Local
06/22/2022	19	4-6	RTD	4	Software Defect	11667	Local
06/22/2022	19	7	RTD	4	Software Defect	11711	Local
06/22/2022	21	4-9	RTD	2	Software Defect	1611	Local
06/22/2022	9	10	RTD	4	Software Defect	15217	Local
06/22/2022	9	2-6	RTD	4	Software Defect	15297	Local
06/22/2022	9	9	RTD	4	Software Defect	15190	Local
06/22/2022	10	1	RTPD	4	Software Defect	15292	Local
06/22/2022	10	3	RTPD	4	Software Defect	14750	Local
06/22/2022	11	3	RTPD	4	Software Defect	13863	Local
06/22/2022	11	4	RTPD	4	Software Defect	14969	Local
06/22/2022	12	1	RTPD	4	Software Defect	14970	Local
06/22/2022	12	2	RTPD	4	Software Defect	14986	Local
06/22/2022	12	3-4	RTPD	4	Software Defect	14983	Local
06/22/2022	13	2	RTPD	4	Software Defect	14995	Local
06/22/2022	13	4	RTPD	4	Software Defect	14987	Local
06/22/2022	14	1	RTPD	4	Software Defect	15001	Local
06/22/2022	15	3	RTPD	4	Software Defect	14011	Local
06/22/2022	15	4	RTPD	4	Software Defect	15017	Local
06/22/2022	16	1	RTPD	4	Software Defect	15096	Local
06/22/2022	16	2	RTPD	4	Software Defect	15094	Local
06/22/2022	16	3	RTPD	4	Software Defect	15143	Local
06/22/2022	16	4	RTPD	4	Software Defect	15442	Local
06/22/2022	17	1	RTPD	4	Software Defect	15139	Local
06/22/2022	17	3	RTPD	4	Software Defect	8066	Local
06/22/2022	17	4	RTPD	4	Software Defect	12735	Local
06/22/2022	18	1	RTPD	4	Software Defect	11825	Local
06/22/2022	18	2,4	RTPD	4	Software Defect	15345	Local
06/22/2022	18	3	RTPD	4	Software Defect	14596	Local
06/22/2022	19	1	RTPD	4	Software Defect	11675	Local
06/22/2022	19	2	RTPD	4	Software Defect	11693	Local

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06/22/2022	19	3	RTPD	4	Software Defect	11430	Local
06/22/2022	19	4	RTPD	4	Software Defect	11462	Local
06/22/2022	21	2-3	RTPD	2	Software Defect	1611	Local
06/22/2022	9	4	RTPD	4	Software Defect	14771	Local
06/23/2022	18	1	RTD	4	Software Defect	1392	Local
06/23/2022	24	11	RTD	4	Software Defect	629	Local
06/23/2022	15	3	RTPD	4	Software Defect	1236	Local
06/23/2022	16	3	RTPD	4	Software Defect	1239	Local
06/23/2022	18	4	RTPD	4	Software Defect	231	Local
06/23/2022	19	1	RTPD	4	Software Defect	616	Local
06/23/2022	19	3	RTPD	4	Software Defect	1248	Local
06/23/2022	20	1	RTPD	4	Software Defect	643	Local
06/23/2022	20	2-3	RTPD	4	Software Defect	646	Local
06/23/2022	21	1	RTPD	4	Software Defect	647	Local
06/23/2022	21	2	RTPD	4	Software Defect	646	Local
06/23/2022	21	3	RTPD	4	Software Defect	644	Local
06/23/2022	21	4	RTPD	4	Software Defect	639	Local
06/24/2022	24	8	RTD	4	Software Defect	14992	Local
06/25/2022	16	12	RTD	4	Software Defect	217	Local
06/25/2022	17	1	RTD	4	Software Defect	217	Local
06/26/2022	20	4-5	RTD	4	Software Defect	2274	Local

Corrections made through interval replacement: 3

Date	HE	Intervals	Market	#	Reason	Affected Area
06/23/2022	5	9-11	RTD	3	Software Defect	System

Corrections made through market rerun: 0

Description of Issues:

1. **Data Input Error:**
   - Invalid shadow price due data input error.

   Prices were corrected by selective recalculation.

2. **Software Defect:**
   - Invalid pricing due to software issue impacting EIM functionality.

   Prices were corrected by selective recalculation.

3. **Software Defect:**
   - Invalid prices due to a software defect impacting RTCD runs.

   Prices were corrected by interval replacement.

4. **Software Defect:**
   - Invalid shadow price due to a software defect impacting pricing formation.

   Prices were corrected by selective recalculation.

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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 consective market distrputions.

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

Total number of filled price intervals: 44

Date	HE	Intervals	Market
06/20/2022	21	1	RTPD
06/21/2022	15	7	RTD
06/21/2022	15	12	RTD
06/21/2022	16	1	RTD
06/21/2022	16	2	RTD
06/21/2022	16	3	RTD
06/21/2022	18	7	RTD
06/21/2022	16	3	RTPD
06/21/2022	16	4	RTPD
06/22/2022	7	4	RTD
06/22/2022	12	8	RTD
06/22/2022	12	9	RTD
06/22/2022	12	10	RTD
06/22/2022	17	8	RTD
06/22/2022	18	9	RTD
06/22/2022	19	8	RTD
06/22/2022	19	9	RTD
06/22/2022	19	10	RTD
06/22/2022	22	7	RTD
06/22/2022	22	8	RTD
06/22/2022	22	9	RTD
06/22/2022	7	3	RTPD
06/22/2022	13	1	RTPD
06/22/2022	20	1	RTPD
06/22/2022	23	1	RTPD
06/23/2022	5	10	RTD
06/23/2022	5	11	RTD
06/23/2022	7	8	RTD
06/23/2022	7	9	RTD
06/23/2022	7	10	RTD
06/23/2022	16	9	RTD
06/23/2022	22	8	RTD
06/23/2022	23	7	RTD

06/23/2022	23	8	RTD
06/23/2022	8	1	RTPD
06/24/2022	3	4	RTD
06/24/2022	20	10	RTD
06/24/2022	20	11	RTD
06/24/2022	20	12	RTD
06/25/2022	8	12	RTD
06/25/2022	22	3	RTD
06/26/2022	6	2	RTD
06/26/2022	6	3	RTD
06/26/2022	6	6	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: 106

Date	HE
06/22/2022	01-24
06/23/2022	01-24
06/24/2022	01-24
06/25/2022	01-24
06/27/2022	08-17