

Price Correction Report

Week of Aug 02 – 06, 2021

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, **120** intervals were corrected.

The trade dates covered by this report are:

DAM: 07/28/2021 – 08/03/2021

RTM: 07/26/2021 – 08/01/2021

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.

Price Correction Report

Week of Aug 02 – 06, 2021

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: 113

Date	HE	Intervals	Market	#	Reason	Number of corrected Pnodes/Apnodes	Affected Area
07/27/2021	18	3, 8	RTD	2	Software Defect		Local
07/27/2021	12, 15, 18	3	RTPD	2	Software Defect	537	Local
07/27/2021	15	4	RTPD	2	Software Defect		Local
07/28/2021	10	11	RTD	4	Software Defect	435	Local
07/28/2021	10	12	RTD	4	Software Defect	452	Local
07/28/2021	12	3	RTD	4	Software Defect	331	Local
07/28/2021	13	2	RTD	4	Software Defect	348	Local
07/28/2021	13	3	RTD	4	Software Defect	311	Local
07/28/2021	13	4-5	RTD	4	Software Defect	320	Local
07/28/2021	13	6	RTD	4	Software Defect	336	Local
07/28/2021	15	10	RTD	4	Software Defect	449	Local
07/28/2021	24	1-2, 4-5, 7-9, 12	RTD	4	Software Defect	472	Local
07/28/2021	24	10-11	RTD	4	Software Defect	480	Local
07/28/2021	24	6	RTD	4	Software Defect	481	Local
07/28/2021	15	1	RTPD	4	Software Defect	440	Local
07/28/2021	15	2	RTPD	4	Software Defect	409	Local
07/28/2021	15	4	RTPD	4	Software Defect	446	Local
07/28/2021	17	3	RTPD	4	Software Defect	444	Local
07/28/2021	17	4	RTPD	4	Software Defect	594	Local
07/28/2021	18	1	RTPD	4	Software Defect	446	Local
07/28/2021	18	4	RTPD	4	Software Defect	627	Local
07/28/2021	19	1	RTPD	4	Software Defect	595	Local
07/28/2021	19	2	RTPD	4	Software Defect	588	Local
07/28/2021	24	1	RTPD	4	Software Defect	476	Local
07/28/2021	24	2	RTPD	4	Software Defect	433	Local
07/28/2021	24	3	RTPD	4	Software Defect	434	Local
07/28/2021	24	4	RTPD	4	Software Defect	431	Local
07/28/2021	7	1	RTPD	4	Software Defect	320	Local
07/29/2021	18	7-9	RTD	4	Software Defect	152	Local
07/29/2021	17	2	RTPD	4	Software Defect	465	Local
07/29/2021	17	3	RTPD	4	Software Defect	447	Local
07/29/2021	17	4	RTPD	4	Software Defect	358	Local
07/29/2021	18	4	RTPD	4	Software Defect	151	Local
07/29/2021	19	1	RTPD	4	Software Defect	152	Local
07/30/2021	15	1	RTD	4	Software Defect	462	Local

Price Correction Report

Week of Aug 02 – 06, 2021

07/30/2021	15	2-3	RTD	4	Software Defect	463	Local
07/30/2021	15	4-6	RTD	4	Software Defect	426	Local
07/30/2021	15	7,11	RTD	4	Software Defect	167	Local
07/30/2021	15	8	RTD	4	Software Defect	515	Local
07/30/2021	15	9	RTD	4	Software Defect	159	Local
07/30/2021	15-16	12	RTD	4	Software Defect	190	Local
07/30/2021	16	10-11	RTD	4	Software Defect	159	Local
07/30/2021	17	7-8	RTD	4	Software Defect	193	Local
07/30/2021	17	9	RTD	4	Software Defect	211	Local
07/30/2021	10	1	RTPD	4	Software Defect	239	Local
07/30/2021	10	2	RTPD	4	Software Defect	238	Local
07/30/2021	10	3	RTPD	4	Software Defect	241	Local
07/30/2021	10	4	RTPD	4	Software Defect	235	Local
07/30/2021	11	1-2	RTPD	4	Software Defect	245	Local
07/30/2021	11	3	RTPD	4	Software Defect	248	Local
07/30/2021	11	4	RTPD	4	Software Defect	664	Local
07/30/2021	12	1	RTPD	4	Software Defect	241	Local
07/30/2021	12	2	RTPD	4	Software Defect	346	Local
07/30/2021	12	3	RTPD	4	Software Defect	240	Local
07/30/2021	12	4	RTPD	4	Software Defect	311	Local
07/30/2021	13	1	RTPD	4	Software Defect	243	Local
07/30/2021	13	2	RTPD	4	Software Defect	312	Local
07/30/2021	13	3	RTPD	4	Software Defect	245	Local
07/30/2021	13	4	RTPD	4	Software Defect	690	Local
07/30/2021	14	1	RTPD	4	Software Defect	800	Local
07/30/2021	14	2	RTPD	4	Software Defect	839	Local
07/30/2021	14	3	RTPD	4	Software Defect	810	Local
07/30/2021	14	4	RTPD	4	Software Defect	837	Local
07/30/2021	15	1	RTPD	4	Software Defect	327	Local
07/30/2021	15	2-3	RTPD	4	Software Defect	576	Local
07/30/2021	15	4	RTPD	4	Software Defect	497	Local
07/30/2021	16	1	RTPD	4	Software Defect	462	Local
07/30/2021	16	2	RTPD	4	Software Defect	487	Local
07/30/2021	16	3	RTPD	4	Software Defect	493	Local
07/30/2021	16	4	RTPD	4	Software Defect	578	Local
07/30/2021	17	1	RTPD	4	Software Defect	380	Local
07/30/2021	17	2	RTPD	4	Software Defect	396	Local
07/30/2021	17	4	RTPD	4	Software Defect	401	Local
07/30/2021	18	4	RTPD	4	Software Defect	309	Local
07/30/2021	23	1	RTPD	4	Software Defect	193	Local
07/30/2021	23	2	RTPD	4	Software Defect	190	Local
07/30/2021	8	1	RTPD	4	Software Defect	386	Local
07/30/2021	8	2	RTPD	4	Software Defect	235	Local
07/30/2021	8	3	RTPD	4	Software Defect	238	Local
07/30/2021	9	1	RTPD	4	Software Defect	209	Local
07/30/2021	9	2	RTPD	4	Software Defect	210	Local
07/30/2021	9	3	RTPD	4	Software Defect	243	Local
07/30/2021	9	4	RTPD	4	Software Defect	238	Local
08/02/2021	10	0	DA	1	Data Input Error	666	Local
08/02/2021	11	0	DA	1	Data Input Error	667	Local
08/02/2021	12,14	0	DA	1	Data Input Error	668	Local
08/02/2021	13	0	DA	1	Data Input Error	673	Local
08/02/2021	15	0	DA	1	Data Input Error	659	Local
08/02/2021	16	0	DA	1	Data Input Error	678	Local

Price Correction Report

Week of Aug 02 – 06, 2021

Corrections made through Interval Replacement: 7

Date	HE	Intervals	Market	#	Reason	Affected Area
07/30/2021	24	7-9	RTD	3	Software Defect	System
07/30/2021	8	4	RTPD	6	Software Defect	System
08/02/2021	14-16	0	RUC	5	Data Input Error	System

Corrections made through market rerun: 0

Description of Issues:

1. Data Input Error:

- Invalid congestion on the flowgate due to incorrect limit.

Prices were corrected by Selective Recalculation.

2. Software Defect:

- Invalid EIM price due to a software defect affecting price formation.

Prices were corrected by Selective Recalculation.

3. Software Defect:

- Invalid prices due to a software defect impacting pricing formation.

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.

5. Data Input Error:

- Invalid congestion on the flowgate due to incorrect limit.

Prices were corrected by Interval Replacement.

Price Correction Report

Week of Aug 02 – 06, 2021

6. Software Defect:

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

Prices were corrected by Interval Replacement.

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: 2

Date	HE	Intervals	Market
07/29/2021	16	7	RTD
07/30/2021	17	10	RTD

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

Price Correction Report

Week of Aug 02 – 06, 2021

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: 24

Date	HE
08/03/2021	1 - 24