

Price Correction Report

Week of August 3 – 7, 2020

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, **132** intervals were corrected.

The trade dates covered by this report are:

DAM: 7/29/2020 – 8/4/2020
RTM: 7/27/2020 – 7/31/2020

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, sorted by 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: 124

Date	HE	Intervals	Market	#	Reason	Number of corrected Pnodes/Apnodes	Affected Area
07/27/2020	15	2	RTD	4	Data Input Error	241	Local
07/27/2020	17	6	RTD	4	Data Input Error	242	Local
07/27/2020	15	1	RTPD	3	Data Input Error	1356	Local
07/28/2020	11	1,4	RTD	1	Data Input Error	617	Local
07/28/2020	11	3,10-12	RTD	1	Data Input Error	616	Local
07/28/2020	11	5	RTD	1	Data Input Error	618	Local
07/28/2020	11	6	RTD	1	Data Input Error	619	Local
07/28/2020	12	1,4-6	RTD	1	Data Input Error	615	Local
07/28/2020	12	2-3,7-12	RTD	1	Data Input Error	616	Local
07/28/2020	13	1-3	RTD	1	Data Input Error	615	Local
07/28/2020	13	10-11	RTD	1	Data Input Error	617	Local
07/28/2020	13	12	RTD	1	Data Input Error	635	Local
07/28/2020	13	4-9	RTD	1	Data Input Error	616	Local
07/28/2020	14	1,4,8-11	RTD	1	Data Input Error	617	Local
07/28/2020	14	12	RTD	1	Data Input Error	622	Local
07/28/2020	14	2-3	RTD	1	Data Input Error	618	Local
07/28/2020	14	5,7	RTD	1	Data Input Error	653	Local
07/28/2020	14	6	RTD	1	Data Input Error	654	Local
07/28/2020	9	10-11	RTD	1	Data Input Error	613	Local
07/28/2020	10	1	RTPD	1	Data Input Error	614	Local
07/28/2020	11	3	RTPD	1	Data Input Error	617	Local
07/28/2020	11	4	RTPD	1	Data Input Error	616	Local
07/28/2020	12	1	RTPD	1	Data Input Error	651	Local
07/28/2020	12	2-4	RTPD	1	Data Input Error	616	Local
07/28/2020	13	1-2	RTPD	1	Data Input Error	615	Local
07/28/2020	13	3-4	RTPD	1	Data Input Error	616	Local
07/28/2020	14	1	RTPD	1	Data Input Error	617	Local
07/28/2020	14	2-4	RTPD	1	Data Input Error	653	Local
07/28/2020	18	2	RTPD	6	Software Defect	402	Local
07/28/2020	18	3	RTPD	6	Software Defect	403	Local
07/28/2020	9	3-4	RTPD	1	Data Input Error	612	Local
07/30/2020	23	0	DA	1	Data Input Error	304	Local
07/30/2020	20	1	RTD	5	Software Defect		Local
07/30/2020	20	1	RTPD	5	Software Defect		Local
08/01/2020	17	10	RTD	2	Data Input Error	836	Local
08/01/2020	17	11-12	RTD	2	Data Input Error	846	Local
08/01/2020	17	3	RTD	3	Data Input Error	1341	Local
08/01/2020	18	1	RTD	2	Data Input Error	836	Local

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08/01/2020	18	12	RTD	2	Data Input Error	839	Local
08/01/2020	18	2	RTD	2	Data Input Error	872	Local
08/01/2020	18	3-4,6	RTD	2	Data Input Error	837	Local
08/01/2020	18	5	RTD	2	Data Input Error	873	Local
08/01/2020	18	7-11	RTD	2	Data Input Error	838	Local
08/01/2020	19	10	RTD	2	Data Input Error	853	Local
08/01/2020	19	11	RTD	2	Data Input Error	884	Local
08/01/2020	19	12	RTD	2	Data Input Error	870	Local
08/01/2020	19	7	RTD	2	Data Input Error	840	Local
08/01/2020	19	8	RTD	2	Data Input Error	841	Local
08/01/2020	16	1-2	RTPD	3	Data Input Error	1351	Local
08/01/2020	16	4	RTPD	3	Data Input Error	1341	Local
08/01/2020	16-17	3	RTPD	3	Data Input Error	1340	Local
08/01/2020	17	1	RTPD	2,3	Data Input Error	1340	Local
08/01/2020	17	2	RTPD	2,3	Data Input Error	1409	Local
08/01/2020	18	1-3	RTPD	2	Data Input Error	836	Local
08/01/2020	18	4	RTPD	2	Data Input Error	838	Local
08/01/2020	19	4	RTPD	2	Data Input Error	842	Local
08/02/2020	17	4	RTD	3	Data Input Error	1384	Local
08/02/2020	17	5	RTD	3	Data Input Error	1385	Local
08/02/2020	17	6	RTD	3	Data Input Error	1386	Local
08/02/2020	18	1-2,4-5	RTD	3	Data Input Error	1378	Local
08/02/2020	18	3,6	RTD	3	Data Input Error	1379	Local
08/02/2020	19	2	RTD	3	Data Input Error	1372	Local
08/02/2020	19	3,5	RTD	3	Data Input Error	1373	Local
08/02/2020	19	6	RTD	3	Data Input Error	1374	Local
08/02/2020	17	3	RTPD	3	Data Input Error	1321	Local
08/02/2020	18	1-2	RTPD	3	Data Input Error	1378	Local
08/02/2020	18	3	RTPD	7,3	Software Defect, Data Input Error	1377	Local
08/02/2020	19	1	RTPD	3	Data Input Error	1407	Local
08/02/2020	19	2	RTPD	3	Data Input Error	1408	Local
08/02/2020	19	3	RTPD	3	Data Input Error	1376	Local

Corrections made through interval replacement: 8

Date	HE	Intervals	Market	#	Reason	Affected Area
07/27/2020	15	6-9	RTD	8	Software Defect	System
07/30/2020	18	11-12	RTD	8	Software Defect	System
07/30/2020	19	1-2	RTD	8	Software Defect	System

Corrections made through market rerun: 0

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Description of Issues:

1. Data Input Error:

- Invalid congestion on 22046_BASILONE_69.0_22848_TALEGATP_69.0_BR_1_1 due to an incorrect enforcement of the constraint.

Prices were corrected by selective recalculation.

2. Data Input Error:

- Invalid congestion on 32214_RIO OSO _115_32244_BRNSWKT2_115_BR_2_1 due to a data input error related to load distribution factors.

Prices were corrected by selective recalculation.

3. Data Input Error:

- Invalid congestion on EIM constraint due to a data input error related to load distribution factors.

Prices were corrected by selective recalculation.

4. Data Input Error:

- Invalid congestion on 36851_NORTHERN_115_30732_NORTHERN_230_XF_1 due to incorrect enforcement of the constraint.

Prices were corrected by selective recalculation.

5. Software Defect:

- Invalid flex ramp prices due to a software defect impacting price formation.

Prices were corrected by selective recalculation.

6. Software Defect:

- Invalid pricing on 32214_RIO OSO _115_30330_RIO OSO _230_XF_2 due to a software defect related to price calculation..

Prices were corrected by selective recalculation.

7. Software Defect:

- Invalid pricing on 32214_RIO OSO _115_32244_BRNSWKT2_115_BR_2_1 due to a software defect related to price calculation.

Prices were corrected by selective recalculation.

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8. Software Defect:

- Invalid prices due to a software defect impacting RTCD runs.

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: 14

Date	HE	Intervals	Market
07/27/2020	15	7	RTD
07/27/2020	15	8	RTD
07/27/2020	15	9	RTD
07/30/2020	16	7	RTD
07/30/2020	16	8	RTD
07/30/2020	16	9	RTD
07/30/2020	16	10	RTD
07/30/2020	16	11	RTD
07/30/2020	16	12	RTD
07/30/2020	17	1	RTD
07/30/2020	18	12	RTD
07/30/2020	19	1	RTD
07/30/2020	19	2	RTD
07/30/2020	17	1	RTPD

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

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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