

Price Correction Report

Week of April 05 – 09, 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, **1128** intervals were corrected.

The trade dates covered by this report are:

DAM: 03/31/2021 – 04/06/2021

RTM: 03/29/2021 – 04/04/2021

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.

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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: **1086**

Date	HE	Intervals	Market	#	Reason	Number of corrected Pnodes/Apnodes	Affected Area
03/29/2021	12-13	1-4	RTPD	9	Software Defect	52	Local
03/30/2021	15	1-3	RTPD	9	Software Defect	52	Local
03/30/2021	15	4	RTPD	9	Software Defect		Local
03/30/2021	16	1-4	RTPD	9	Software Defect	52	Local
03/30/2021	17	1	RTPD	9	Software Defect	52	Local
03/31/2021	10	10	RTD	11	Data Input Error	10493	Local
03/31/2021	10	11-12	RTD	11	Data Input Error	10492	Local
03/31/2021	10	8-9	RTD	11	Data Input Error	10545	Local
03/31/2021	11	2-3	RTD	11	Data Input Error	10507	Local
03/31/2021	11	4-5	RTD	11	Data Input Error	10470	Local
03/31/2021	11	7	RTD	11	Data Input Error	10532	Local
03/31/2021	12	12	RTD	11	Data Input Error	10572	Local
03/31/2021	13	1	RTD	11	Data Input Error	10531	Local
03/31/2021	13	10-12	RTD	11	Data Input Error	10572	Local
03/31/2021	13	2-3	RTD	11	Data Input Error	10532	Local
03/31/2021	13	4-6	RTD	11	Data Input Error	10535	Local
03/31/2021	13	7-9	RTD	11	Data Input Error	10573	Local
03/31/2021	14	1-3	RTD	11	Data Input Error	10481	Local
03/31/2021	14	10-12	RTD	11	Data Input Error	10803	Local
03/31/2021	14	4-6	RTD	11	Data Input Error	10484	Local
03/31/2021	14	7-9	RTD	11	Data Input Error	10430	Local
03/31/2021	15	1-3	RTD	11	Data Input Error	10831	Local
03/31/2021	15	10-12	RTD	11	Data Input Error	10477	Local
03/31/2021	15	4	RTD	11	Data Input Error	10804	Local
03/31/2021	15	5	RTD	11	Data Input Error	10832	Local
03/31/2021	15	6	RTD	11	Data Input Error	10799	Local
03/31/2021	15	7-9	RTD	11	Data Input Error	10478	Local
03/31/2021	16	1	RTD	11	Data Input Error	10873	Local
03/31/2021	16	4	RTD	11	Data Input Error	10762	Local
03/31/2021	10	4	RTPD	11	Data Input Error	10526	Local
03/31/2021	11	2	RTPD	11	Data Input Error	10483	Local
03/31/2021	11	4	RTPD	11	Data Input Error	10527	Local
03/31/2021	13	1	RTPD	11	Data Input Error	10561	Local
03/31/2021	13	2	RTPD	11	Data Input Error	10511	Local
03/31/2021	13	3	RTPD	11	Data Input Error	10505	Local
03/31/2021	13	4	RTPD	11	Data Input Error	10572	Local

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03/31/2021	14	1	RTPD	11	Data Input Error	10469	Local
03/31/2021	14	2	RTPD	11	Data Input Error	10479	Local
03/31/2021	14	3	RTPD	11	Data Input Error	10484	Local
03/31/2021	14	4	RTPD	11	Data Input Error	10429	Local
03/31/2021	15	1	RTPD	11	Data Input Error	10800	Local
03/31/2021	15	2	RTPD	11	Data Input Error	10821	Local
03/31/2021	15	3	RTPD	11	Data Input Error	10472	Local
03/31/2021	15	4	RTPD	11	Data Input Error	10467	Local
03/31/2021	9	2	RTPD	7	Software Defect	452	Local
03/31/2021	9	4	RTPD	11	Data Input Error	10506	Local
04/01/2021	1	12	RTD	2	Data Input Error	309	Local
04/01/2021	1	2	RTD	2	Data Input Error	305	Local
04/01/2021	1	3-6	RTD	2	Data Input Error	304	Local
04/01/2021	1	7-8,10	RTD	2	Data Input Error	307	Local
04/01/2021	1	9,11	RTD	2	Data Input Error	308	Local
04/01/2021	2	1-3	RTD	2	Data Input Error	313	Local
04/01/2021	2	11	RTD	2	Data Input Error	330	Local
04/01/2021	2	12	RTD	2	Data Input Error	325	Local
04/01/2021	2	4-6	RTD	2	Data Input Error	312	Local
04/01/2021	2	7-10	RTD	2	Data Input Error	308	Local
04/01/2021	3	1	RTD	2	Data Input Error	312	Local
04/01/2021	3	2-3	RTD	2	Data Input Error	319	Local
04/01/2021	1	2	RTPD	2	Data Input Error	704	Local
04/01/2021	1	3	RTPD	2	Data Input Error	708	Local
04/01/2021	1	4	RTPD	2	Data Input Error	307	Local
04/01/2021	2	1-2	RTPD	2	Data Input Error	314	Local
04/01/2021	2	3	RTPD	2	Data Input Error	313	Local
04/01/2021	2	4	RTPD	2	Data Input Error	308	Local
04/01/2021	3	1	RTPD	2	Data Input Error	319	Local
04/01/2021	3	2	RTPD	2	Data Input Error	320	Local
04/01/2021	3	3	RTPD	5	Software Defect	422	Local
04/04/2021	15	1-4	RTPD	9	Software Defect	50	Local
04/04/2021	4	1	RTPD	5	Software Defect	405	Local

The corrected Pnode/APnode for below trade days regarding correction number 1 is 2 and regarding correction number 4 is 0:

Date	HE	Intervals	Market	#	Reason	Affected Area
04/01/2021	14	7-12	RTD	4	Data Input Error	Local
04/01/2021	15-16	1-12	RTD	4	Data Input Error	Local
04/01/2021	17	1-6,10-12	RTD	4	Data Input Error	Local
04/01/2021	18	1-3,7-12	RTD	4	Data Input Error	Local
04/01/2021	14-16	1-4	RTPD	4	Data Input Error	Local
04/01/2021	17	2-3	RTPD	4	Data Input Error	Local
04/01/2021	18	1	RTPD	4	Data Input Error	Local
04/02/2021	10-14,16-17	1-12	RTD	4	Data Input Error	Local
04/02/2021	15	2-6,9-12	RTD	4	Data Input Error	Local
04/02/2021	9	5-12	RTD	4	Data Input Error	Local
04/02/2021	10-15,17	1-4	RTPD	4	Data Input Error	Local
04/02/2021	9,16	2-4	RTPD	4	Data Input Error	Local
04/03/2021	1-24	1-12	RTD	1	Data Input Error	Local
04/03/2021	10-15,17	1-12	RTD	4	Data Input Error	Local
04/03/2021	16	1-9,11-12	RTD	4	Data Input Error	Local
04/03/2021	18	1-2,6-7,10	RTD	4	Data Input Error	Local
04/03/2021	9	8-12	RTD	4	Data Input Error	Local
04/03/2021	1-24	1-4	RTPD	1	Data Input Error	Local

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04/03/2021	10-11,13-16	1-4	RTPD	4	Data Input Error	Local
04/03/2021	12	2-4	RTPD	4	Data Input Error	Local
04/03/2021	17	1,3-4	RTPD	4	Data Input Error	Local
04/03/2021	9	4	RTPD	4	Data Input Error	Local
04/04/2021	1-24	1-12	RTD	1	Data Input Error	Local
04/04/2021	10-12	1-12	RTD	4	Data Input Error	Local
04/04/2021	13	12	RTD	4	Data Input Error	Local
04/04/2021	14	1-8	RTD	4	Data Input Error	Local
04/04/2021	16	7,10-12	RTD	4	Data Input Error	Local
04/04/2021	17	4-12	RTD	4	Data Input Error	Local
04/04/2021	18	1-10	RTD	4	Data Input Error	Local
04/04/2021	9	3-6,8-12	RTD	4	Data Input Error	Local
04/04/2021	1-24	1-4	RTPD	1	Data Input Error	Local
04/04/2021	10-12,14,18	1-4	RTPD	4	Data Input Error	Local
04/04/2021	13	1	RTPD	4	Data Input Error	Local
04/04/2021	15	1	RTPD	4	Data Input Error	Local
04/04/2021	16	4	RTPD	4	Data Input Error	Local
04/04/2021	9,17	2-4	RTPD	4	Data Input Error	Local

Corrections made through interval replacement: 43

Date	HE	Intervals	Market	#	Reason	Affected Area
03/30/2021	19	11-12	RTD	8	Software Defect	System
04/01/2021	1	1	RTD	6	Data Input Error	System
04/01/2021	1	1	RTPD	6	Data Input Error	System
04/02/2021	18	1-4	RTD	10	Software Defect	System
04/02/2021	19	1-8	RTD	3	Data Input Error	System
04/02/2021	19	9	RTD	10	Software Defect	System
04/02/2021	21	3	RTD	8	Software Defect	System
04/02/2021	19-20	1-4	RTPD	3	Data Input Error	System
04/02/2021	19	10-12	RTD	3	Data Input Error	System
04/02/2021	20	1-12	RTD	3	Data Input Error	System
04/02/2021	21	1-2	RTPD	3	Data Input Error	System

Corrections made through market rerun: 0

Description of Issues:

1. Data Input Error:

- Invalid congestion on the ITC due to incorrect limit.

Prices were corrected by selective recalculation.

2. Data Input Error:

- Invalid prices due to a data input error affecting a resource dispatch.

Prices were corrected by selective recalculation.

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3. Data Input Error:

- Invalid prices due to a data input error affecting a transmission constraint enforcement.

Prices were corrected by interval replacement.

4. Data Input Error:

- Invalid shadow price due to a data input error related to nomogram definition.

Prices were corrected by selective recalculation.

5. Software Defect:

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

Prices were corrected by selective recalculation.

6. Data Input Error:

- Missing prices due to new EIM entity cutover.

Prices were corrected by interval replacement.

7. Software Defect:

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

Prices were corrected by selective recalculation.

8. Software Defect:

- Invalid prices due to a software defect affecting a resource dispatch.

Prices were corrected by interval replacement.

9. Software Defect:

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

Prices were corrected by selective recalculation.

10. Software defect:

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

Prices were corrected by interval replacement.

11. Data Input Error:

- Invalid congestion on the OMS 8797939_D-SBLR_OOS_CP3, this nomogram should not be enforced.

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 consecutive market disruptions.

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

Total number of filled price intervals: 28

Date	HE	Intervals	Market
03/30/2021	22	7	RTD
03/30/2021	22	8	RTD
03/30/2021	22	9	RTD
03/30/2021	22	10	RTD
03/31/2021	24	12	RTD
04/01/2021	1	1	RTD
04/02/2021	18	2	RTD
04/02/2021	18	3	RTD
04/02/2021	18	4	RTD
04/02/2021	19	10	RTD
04/02/2021	19	11	RTD
04/02/2021	19	12	RTD
04/02/2021	20	1	RTD
04/02/2021	20	2	RTD
04/02/2021	20	3	RTD
04/02/2021	20	4	RTD
04/02/2021	20	5	RTD
04/02/2021	20	6	RTD
04/02/2021	20	7	RTD
04/02/2021	20	8	RTD
04/02/2021	20	9	RTD
04/02/2021	20	10	RTD
04/02/2021	20	11	RTD
04/02/2021	20	12	RTD
04/02/2021	21	1	RTD
04/02/2021	21	2	RTD
04/02/2021	21	1	RTPD
04/02/2021	21	2	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