Price Correction Report
Week of April 19 – 23, 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 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, **171** intervals were corrected.

<u>The trade dates covered by this report are:</u>

DAM: 04/14/2021 – 04/20/2021
RTM: 04/12/2021 – 04/18/2021

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: **167**

Date	HE	Intervals	Market	#	Reason	Number of corrected Pnodes/Apnodes	Affected Area
04/12/2021	11	1,3	RTD	2	Data Input Error	10524	Local
04/12/2021	11	10-12	RTD	1, 2	Data Input Error	10553	Local
04/12/2021	11	2	RTD	2	Data Input Error	10525	Local
04/12/2021	11	4-5	RTD	2	Data Input Error	10472	Local
04/12/2021	11	6	RTD	2	Data Input Error	10484	Local
04/12/2021	11	7-9	RTD	1, 2	Data Input Error	10552	Local
04/12/2021	12	1-3	RTD	2	Data Input Error	10590	Local
04/12/2021	12	10,12	RTD	2	Data Input Error	10587	Local
04/12/2021	12	11	RTD	2	Data Input Error	10579	Local
04/12/2021	12	4-6	RTD	2	Data Input Error	10591	Local
04/12/2021	12	7-9	RTD	2	Data Input Error	10578	Local
04/12/2021	13	1-3	RTD	2	Data Input Error	10763	Local
04/12/2021	13	10-11	RTD	1	Data Input Error	430	Local
04/12/2021	13	12	RTD	1	Data Input Error	433	Local
04/12/2021	13	4	RTD	2	Data Input Error	11054	Local
04/12/2021	13	7-9	RTD	1, 2	Data Input Error	10716	Local
04/12/2021	14	7-8	RTD	1	Data Input Error	428	Local
04/12/2021	11	1	RTPD	1, 2	Data Input Error	10540	Local
04/12/2021	11	2	RTPD	2	Data Input Error	10504	Local
04/12/2021	11	3	RTPD	1	Data Input Error	432	Local
04/12/2021	11	4	RTPD	1, 2	Data Input Error	10553	Local
04/12/2021	12	1	RTPD	2	Data Input Error	10590	Local
04/12/2021	12	2	RTPD	2	Data Input Error	10583	Local
04/12/2021	12	3	RTPD	2	Data Input Error	10679	Local
04/12/2021	12	4	RTPD	2	Data Input Error	10593	Local
04/12/2021	13	1	RTPD	2	Data Input Error	10875	Local
04/12/2021	13	2	RTPD	2	Data Input Error	11040	Local
04/12/2021	13	3	RTPD	2	Data Input Error	11128	Local
04/12/2021	13	4	RTPD	1, 2	Data Input Error	10999	Local
04/12/2021	14	1	RTPD	1	Data Input Error	434	Local
04/13/2021	19	1-2	RTD	3	Data Input Error	33	Local
04/13/2021	19	10-11	RTD	3	Data Input Error	44	Local
04/13/2021	19	12	RTD	3	Data Input Error	67	Local
04/13/2021	19	3	RTD	3	Data Input Error	34	Local
04/13/2021	19	4	RTD	3	Data Input Error	38	Local

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04/13/2021	19	5	RTD	3	Data Input Error	39	Local
04/13/2021	19	6-7	RTD	3	Data Input Error	40	Local
04/13/2021	19	8	RTD	3	Data Input Error	43	Local
04/13/2021	19	9	RTD	3	Data Input Error	56	Local
04/13/2021	19	1	RTPD	3	Data Input Error	33	Local
04/13/2021	19	2	RTPD	3	Data Input Error	39	Local
04/13/2021	19	3	RTPD	3	Data Input Error	44	Local
04/13/2021	19	4	RTPD	3	Data Input Error	46	Local
04/13/2021	20	1	RTPD	3	Data Input Error	42	Local
04/13/2021	20	2	RTPD	3	Data Input Error	43	Local
04/14/2021	22	1	RTPD	5	Software Defect	663	Local
04/17/2021	11	3	RTD	1	Data Input Error	374	Local
04/17/2021	11	1-3	RTPD	1	Data Input Error	375	Local
04/17/2021	11	4	RTPD	1	Data Input Error	374	Local
04/17/2021	12	1	RTPD	1	Data Input Error	375	Local
04/17/2021	12	2-3	RTPD	1	Data Input Error	374	Local
04/17/2021	13	1	RTPD	1	Data Input Error	374	Local
04/18/2021	10	10-11	RTD	1	Data Input Error	347	Local
04/18/2021	10	12	RTD	1	Data Input Error	346	Local
04/18/2021	10	4	RTPD	1	Data Input Error	347	Local
04/18/2021	11	3	RTPD	1	Data Input Error	347	Local
04/18/2021	11	4	RTPD	1	Data Input Error	343	Local

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

Date	HE	Intervals	Market	#	Reason	Affected Area
04/12/2021	1, 3 - 5	1-12	RTD	4	Data Input Error	Local
04/12/2021	2, 6	2-12	RTD	4	Data Input Error	Local
04/12/2021	1, 5	3-4	RTPD	4	Data Input Error	Local
04/12/2021	2, 6	4	RTPD	4	Data Input Error	Local
04/12/2021	3 - 4	1-4	RTPD	4	Data Input Error	Local

Corrections made through interval replacement: 4

Date	HE	Intervals	Market	#	Reason	Affected Area
04/16/2021	20	6 - 9	RTD	6	Software Defect	System

Corrections made through market rerun: 0

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Description of Issues:

1. **Data Input Error:**
    - Invalid congestion on NCY_STA1 due to a data input error impacting load distribution factors.

    Prices were corrected by Selective recalculation.

2. **Data Input Error:**
    - Invalid congestion on the OMS 8797939_D-SBLR_OOS_CP3 nomogram, this nomogram should not be enforced.

    Prices were corrected by Selective recalculation.

3. **Data Input Error:**
    - Invalid congestion on WECC_PATH_65 due to a data input error related to constraint enforcement.

    Prices were corrected by Selective recalculation.

4. **Data Input Error:**
    - Invalid congestion on the ITC due to incorrect limit.

    Prices were corrected by Selective recalculation.

5. **Software Defect:**
    - Invalid EIM price due to a software defect affecting price formation.

    Prices were corrected by Selective recalculation.

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

    Prices were corrected by Interval Replacement.

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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: 9

Date	HE	Intervals	Market
04/14/2021	15	7	RTD
04/14/2021	15	8	RTD
04/14/2021	15	9	RTD
04/14/2021	15	10	RTD
04/14/2021	15	11	RTD
04/14/2021	16	1	RTPD
04/14/2021	16	2	RTPD
04/16/2021	20	8	RTD
04/16/2021	20	9	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