Price Correction Report
Week of April 12 – 16, 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, **989** intervals were corrected.

The trade dates covered by this report are:

DAM: 04/07/2021 – 04/13/2021
RTM: 04/05/2021 – 04/11/2021

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: 986

Date	HE	Intervals	Market	#	Reason	Number of corrected Pnodes/Apnodes	Affected Area
04/05/2021	22	1	RTPD	1	Software Defect	871	Local
04/07/2021	10	10-11	RTD	7	Data Input Error	11085	Local
04/07/2021	12	10-12	RTD	7	Data Input Error	11075	Local
04/07/2021	12	7-9	RTD	7	Data Input Error	11079	Local
04/07/2021	13	1-2	RTD	7	Data Input Error	11020	Local
04/07/2021	13	10-11	RTD	7	Data Input Error	11498	Local
04/07/2021	13	3	RTD	7	Data Input Error	11024	Local
04/07/2021	13	4-6	RTD	7	Data Input Error	11204	Local
04/07/2021	13	7-9	RTD	7	Data Input Error	11501	Local
04/07/2021	8	1	RTD	8	Software Defect	27	Local
04/07/2021	8	2-3	RTD	8	Software Defect	46	Local
04/07/2021	11	1	RTPD	7	Data Input Error	11043	Local
04/07/2021	12	4	RTPD	7	Data Input Error	11118	Local
04/07/2021	13	1	RTPD	7	Data Input Error	10974	Local
04/07/2021	13	2	RTPD	7	Data Input Error	11056	Local
04/07/2021	13	3	RTPD	7	Data Input Error	11393	Local
04/07/2021	13	4	RTPD	7	Data Input Error	11500	Local
04/07/2021	14	1	RTPD	7	Data Input Error	11502	Local
04/07/2021	14	2	RTPD	7	Data Input Error	11493	Local
04/09/2021	12	7	RTD	3	Data Input Error	34	Local
04/09/2021	12	8-12	RTD	3	Data Input Error	33	Local
04/09/2021	13	1-2,4-8,10-12	RTD	3	Data Input Error	34	Local
04/09/2021	13	3	RTD	3	Data Input Error	36	Local
04/09/2021	13	9	RTD	3	Data Input Error	35	Local
04/09/2021	14	1-2	RTD	3	Data Input Error	30	Local
04/09/2021	14	10-11	RTD	3	Data Input Error	97	Local
04/09/2021	14	12	RTD	3	Data Input Error	1171	Local
04/09/2021	14	3-9	RTD	3	Data Input Error	29	Local
04/09/2021	15	1-3	RTD	3	Data Input Error	27	Local
04/09/2021	15	10	RTD	3	Data Input Error	30	Local
04/09/2021	15	11-12	RTD	3	Data Input Error	26	Local
04/09/2021	15	4-6	RTD	3	Data Input Error	31	Local
04/09/2021	15	7-8	RTD	3	Data Input Error	23	Local
04/09/2021	15	9	RTD	3	Data Input Error	28	Local
04/09/2021	16	1	RTD	3	Data Input Error	29	Local
04/09/2021	16	2	RTD	3	Data Input Error	25	Local

04/09/2021	16	3-4	RTD	3	Data Input Error	24	Local
04/09/2021	16	5	RTD	3	Data Input Error	23	Local
04/09/2021	16	6-12	RTD	3	Data Input Error	19	Local
04/09/2021	17	1	RTD	3	Data Input Error	18	Local
04/09/2021	12	4	RTPD	3	Data Input Error	34	Local
04/09/2021	13	1-2,4	RTPD	3	Data Input Error	34	Local
04/09/2021	13	3	RTPD	3	Data Input Error	31	Local
04/09/2021	14	1-2	RTPD	3	Data Input Error	31	Local
04/09/2021	14	3-4	RTPD	3	Data Input Error	29	Local
04/09/2021	15	1	RTPD	3	Data Input Error	30	Local
04/09/2021	15	2	RTPD	3	Data Input Error	29	Local
04/09/2021	15	3-4	RTPD	3	Data Input Error	32	Local
04/09/2021	16	1-2	RTPD	3	Data Input Error	35	Local
04/09/2021	16	3	RTPD	3	Data Input Error	37	Local
04/09/2021	16	4	RTPD	3	Data Input Error	31	Local
04/09/2021	17	1	RTPD	3	Data Input Error	26	Local
04/09/2021	17	2	RTPD	3	Data Input Error	27	Local
04/09/2021	17	3	RTPD	3	Data Input Error	30	Local
04/11/2021	11	2-3,7-12	RTD	2	Data Input Error	424	Local
04/11/2021	12	1-5	RTD	2	Data Input Error	424	Local
04/11/2021	12	6	RTD	2	Data Input Error	426	Local
04/11/2021	12	7-12	RTD	2	Data Input Error	425	Local
04/11/2021	13	10-12	RTD	2	Data Input Error	425	Local
04/11/2021	14	1-6,10-12	RTD	2	Data Input Error	425	Local
04/11/2021	14	7-9	RTD	2	Data Input Error	426	Local
04/11/2021	11	2-4	RTPD	2	Data Input Error	424	Local
04/11/2021	12	1,4	RTPD	2	Data Input Error	425	Local
04/11/2021	12	2-3	RTPD	2	Data Input Error	424	Local
04/11/2021	13	1-4	RTPD	2	Data Input Error	425	Local
04/11/2021	14	1,3	RTPD	2	Data Input Error	426	Local
04/11/2021	14	2	RTPD	2	Data Input Error	425	Local

The corrected Pnode/APnode for the below trade days regarding correction number 4 is 2 and regarding correction number 6 is 0:

Date	HE	Intervals	Market	#	Reason	Affected Area
04/05/2021	10	1-12	RTD	6	Data Input Error	Local
04/05/2021	11	1-6	RTD	6	Data Input Error	Local
04/05/2021	9	2-12	RTD	6	Data Input Error	Local
04/05/2021	11	1-3	RTPD	6	Data Input Error	Local
04/05/2021	9-10	1-4	RTPD	6	Data Input Error	Local
04/06/2021	14	1-3	RTD	6	Data Input Error	Local
04/06/2021	15	7	RTD	6	Data Input Error	Local
04/06/2021	16	4	RTD	6	Data Input Error	Local
04/06/2021	12	2-4	RTPD	6	Data Input Error	Local
04/06/2021	13	1-2	RTPD	6	Data Input Error	Local
04/06/2021	14	3-4	RTPD	6	Data Input Error	Local
04/06/2021	15	1-3	RTPD	6	Data Input Error	Local
04/05/2021	1-24	1-12	RTD	4	Data Input Error	Local
04/05/2021	1-24	1-4	RTPD	4	Data Input Error	Local
04/06/2021	1-17,19	1-12	RTD	4	Data Input Error	Local
04/06/2021	18	1-9	RTD	4	Data Input Error	Local
04/06/2021	20	1-3	RTD	4	Data Input Error	Local
04/06/2021	21	3-7	RTD	4	Data Input Error	Local
04/06/2021	1-19	1-4	RTPD	4	Data Input Error	Local
04/06/2021	20	1-3	RTPD	4	Data Input Error	Local
04/06/2021	21	4	RTPD	4	Data Input Error	Local

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04/06/2021	22	1	RTPD	4	Data Input Error	Local
04/11/2021	16	3-12	RTD	4	Data Input Error	Local
04/11/2021	17-24	1-12	RTD	4	Data Input Error	Local
04/11/2021	16,23	4	RTPD	4	Data Input Error	Local
04/11/2021	17-22	1-4	RTPD	4	Data Input Error	Local
04/11/2021	24	3-4	RTPD	4	Data Input Error	Local

Corrections made through interval replacement: 3

Date	HE	Intervals	Market	#	Reason	Affected Area
04/06/2021	18	10 - 12	RTD	5	Data Input Error	System

Corrections made through market rerun: 0

Description of Issues:

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

   Prices were corrected by selective recalculation.

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

   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. **Data Input Error:**
   - Invalid prices due to a data input error affecting a transmission constraint enforcement.

   Prices were corrected by interval replacement.

6. **Data Input Error:**
   - Invalid shadow price due to a data input error related to nomogram definition.

   Prices were corrected by selective recalculation.

7. **Data Input Error:**
   - Invalid congestion due to a data input error impacting constraint enforcement.

   Prices were corrected by selective recalculation.

8. **Software Defect:**
   - Invalid prices due to a software defect impacting EIM functionality.

   Prices were corrected by selective recalculation.

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: 0

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