

Price Correction Report

Week of September 25-29

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, **2657** intervals were corrected.

The trade dates covered by this report are:

DAM: 9/20/2017 – 9/26/2017

RTM: 9/18/2017 – 9/24/2017

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 for those intervals that have the Count of Corrected Pnode/Apnode column missing.

Corrections made through selective recalculation: 2657

Date	HE	Intervals	Market	#	Reason	Number of corrected Pnodes/Apnodes	Area Affected
18Sep2017	1	2	RTPD	2	Software Defect	24	Local
19Sep2017	1	2	RTPD	2	Software Defect	24	Local
20Sep2017	11	7	RTD	3,1	Data Input Error, Software Defect	10171	Local
20Sep2017	1	2	RTPD	2	Software Defect	24	Local
21Sep2017	19	10-12	RTD	3,1	Data Input Error, Software Defect	3167	Local
21Sep2017	19	6	RTD	3,1	Data Input Error, Software Defect	3169	Local
21Sep2017	20	1-3	RTD	3,1	Data Input Error, Software Defect	3171	Local
21Sep2017	20	10-12	RTD	3,1	Data Input Error, Software Defect	3251	Local
21Sep2017	20	4	RTD	3,1	Data Input Error, Software Defect	3174	Local
21Sep2017	20	5-6	RTD	3,1	Data Input Error, Software Defect	3175	Local
21Sep2017	20	7-9	RTD	3,1	Data Input Error, Software Defect	3250	Local
21Sep2017	21	2-3	RTD	3,1	Data Input Error, Software Defect	3251	Local
21Sep2017	22	1-2	RTD	3,1	Data Input Error, Software Defect	3247	Local
21Sep2017	22	10	RTD	3,1	Data Input Error, Software Defect	3281	Local
21Sep2017	22	11	RTD	3,1	Data Input Error, Software Defect	3298	Local
21Sep2017	22	3	RTD	3,1	Data Input Error, Software Defect	467	Local
21Sep2017	22	4	RTD	3,1	Data Input Error, Software Defect	3257	Local
21Sep2017	22	5	RTD	3,1	Data Input Error, Software Defect	710	Local
21Sep2017	22	7	RTD	3,1	Data Input Error, Software Defect	3270	Local
21Sep2017	22	8-9	RTD	3,1	Data Input Error, Software Defect	3297	Local
21Sep2017	1	2	RTPD	2	Software Defect	25	Local
21Sep2017	19	4	RTPD	3,1	Data Input Error, Software Defect	3198	Local

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21Sep2017	20	1	RTPD	3,1	Data Input Error, Software Defect	3170	Local
21Sep2017	20	2	RTPD	3,1	Data Input Error, Software Defect	3173	Local
21Sep2017	20	3	RTPD	3,1	Data Input Error, Software Defect	3176	Local
21Sep2017	20	4	RTPD	3,1	Data Input Error, Software Defect	3251	Local
21Sep2017	21	1-2	RTPD	3,1	Data Input Error, Software Defect	3251	Local
21Sep2017	22	1	RTPD	3,1	Data Input Error, Software Defect	3281	Local
21Sep2017	22	2	RTPD	3,1	Data Input Error, Software Defect	3259	Local
21Sep2017	22	4	RTPD	3,1	Data Input Error, Software Defect	3274	Local
22Sep2017	1	4-5	RTD	3,1	Data Input Error, Software Defect	3224	Local
22Sep2017	11	11	RTD	4,1	Software Defect	1847	Local
22Sep2017	18	10	RTD	3,1	Data Input Error, Software Defect	3266	Local
22Sep2017	18	11	RTD	3,1	Data Input Error, Software Defect	3260	Local
22Sep2017	18	12	RTD	3,1	Data Input Error, Software Defect	3268	Local
22Sep2017	19	4-6	RTD	3,1	Data Input Error, Software Defect	3253	Local
22Sep2017	19	7	RTD	3,1	Data Input Error, Software Defect	3259	Local
22Sep2017	19	8	RTD	3,1	Data Input Error, Software Defect	3260	Local
22Sep2017	20	1-2,8	RTD	3,1	Data Input Error, Software Defect	3256	Local
22Sep2017	20	10	RTD	3,1	Data Input Error, Software Defect	3237	Local
22Sep2017	20	4-6	RTD	3,1	Data Input Error, Software Defect	3229	Local
22Sep2017	20	7	RTD	3,1	Data Input Error, Software Defect	3228	Local
22Sep2017	20	9	RTD	3,1	Data Input Error, Software Defect	3255	Local
22Sep2017	21	1,5-6	RTD	3,1	Data Input Error, Software Defect	3229	Local
22Sep2017	21	10	RTD	3,1	Data Input Error, Software Defect	3221	Local
22Sep2017	21	11	RTD	3,1	Data Input Error, Software Defect	3212	Local
22Sep2017	21	12	RTD	3,1	Data Input Error, Software Defect	3245	Local
22Sep2017	22	10	RTD	3,1	Data Input Error, Software Defect	3229	Local
22Sep2017	22	11	RTD	3,1	Data Input Error, Software Defect	3253	Local
22Sep2017	22	12	RTD	3,1	Data Input Error, Software Defect	3259	Local
22Sep2017	22	4	RTD	3,1	Data Input Error, Software Defect	3233	Local
22Sep2017	22	5-6	RTD	3,1	Data Input Error, Software Defect	3260	Local
22Sep2017	22	7	RTD	3,1	Data Input Error, Software Defect	3231	Local

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22Sep2017	22	8-9	RTD	3,1	Data Input Error, Software Defect	3258	Local
22Sep2017	23	1	RTD	3,1	Data Input Error, Software Defect	3254	Local
22Sep2017	23	2	RTD	3,1	Data Input Error, Software Defect	3218	Local
22Sep2017	23	3	RTD	3,1	Data Input Error, Software Defect	3232	Local
22Sep2017	23	4,6	RTD	3,1	Data Input Error, Software Defect	3219	Local
22Sep2017	23	5	RTD	3,1	Data Input Error, Software Defect	3229	Local
22Sep2017	23	7	RTD	3,1	Data Input Error, Software Defect	3215	Local
22Sep2017	23	8	RTD	3,1	Data Input Error, Software Defect	3222	Local
22Sep2017	1	2	RTPD	3,2,1	Software Defect, Data Input Error	3253	Local
22Sep2017	1	3	RTPD	3,1	Data Input Error, Software Defect	3233	Local
22Sep2017	18	4	RTPD	3,1	Data Input Error, Software Defect	3269	Local
22Sep2017	19	4	RTPD	3,1	Data Input Error, Software Defect	3259	Local
22Sep2017	20	1	RTPD	3,1	Data Input Error, Software Defect	3259	Local
22Sep2017	20	2	RTPD	3,1	Data Input Error, Software Defect	3248	Local
22Sep2017	20	3-4	RTPD	3,1	Data Input Error, Software Defect	3229	Local
22Sep2017	21	1-2	RTPD	3,1	Data Input Error, Software Defect	3231	Local
22Sep2017	21	3	RTPD	3,1	Data Input Error, Software Defect	3232	Local
22Sep2017	21-22	4	RTPD	3,1	Data Input Error, Software Defect	3229	Local
22Sep2017	22	2	RTPD	3,1	Data Input Error, Software Defect	3236	Local
22Sep2017	22	3	RTPD	3,1	Data Input Error, Software Defect	3235	Local
22Sep2017	23	1	RTPD	4,3,1	Software Defect, Data Input Error	3892	Local
22Sep2017	23	3	RTPD	3,1	Data Input Error, Software Defect	3273	Local
22Sep2017	23	4	RTPD	3,1	Data Input Error, Software Defect	3223	Local
23Sep2017	1	2	RTPD	2	Software Defect	24	Local
24Sep2017	1	2	RTPD	2	Software Defect	25	Local

The range of corrected Pnode/APnode for the below trade days regarding correction number 1 is 1-52

Date	HE	Intervals	Market	#	Reason	Area Affected
18Sep2017	1	4-12	RTD	1	Software Defect	Local
18Sep2017	14	3,5,7-12	RTD	1	Software Defect	Local
18Sep2017	15	2,4,6,9-12	RTD	1	Software Defect	Local
18Sep2017	2-13,16-24	1-12	RTD	1	Software Defect	Local
18Sep2017	1	1,3-4	RTPD	1	Software Defect	Local
18Sep2017	2-24	1-4	RTPD	1	Software Defect	Local
19Sep2017	1-15,17-24	1-12	RTD	1	Software Defect	Local
19Sep2017	16	4-12	RTD	1	Software Defect	Local

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19Sep2017	1-24	1-4	RTPD	1	Software Defect	Local
20Sep2017	1-8,10,12-24	1-12	RTD	1	Software Defect	Local
20Sep2017	11	1-6,8-12	RTD	1	Software Defect	Local
20Sep2017	9	1-9,11	RTD	1	Software Defect	Local
20Sep2017	1-24	1-4	RTPD	1	Software Defect	Local
21Sep2017	1-18,23-24	1-12	RTD	1	Software Defect	Local
21Sep2017	19	1-5,7-9	RTD	1	Software Defect	Local
21Sep2017	21	1,4-6,11-12	RTD	1	Software Defect	Local
21Sep2017	22	6	RTD	1	Software Defect	Local
21Sep2017	1	1,3-4	RTPD	1	Software Defect	Local
21Sep2017	1	2	RTPD	1	Software Defect	Local
21Sep2017	19	1-3	RTPD	1	Software Defect	Local
21Sep2017	2-18,23-24	1-4	RTPD	1	Software Defect	Local
21Sep2017	21	3-4	RTPD	1	Software Defect	Local
21Sep2017	22	3	RTPD	1	Software Defect	Local
22Sep2017	1	1-3,6-12	RTD	1	Software Defect	Local
22Sep2017	11	1-10,12	RTD	1	Software Defect	Local
22Sep2017	17	1-5,7-12	RTD	1	Software Defect	Local
22Sep2017	18	2,4-9	RTD	1	Software Defect	Local
22Sep2017	19	1-3,9-12	RTD	1	Software Defect	Local
22Sep2017	2-8,10,12-16,24	1-12	RTD	1	Software Defect	Local
22Sep2017	20	3,11-12	RTD	1	Software Defect	Local
22Sep2017	21	2-4,7-9	RTD	1	Software Defect	Local
22Sep2017	22	1-3	RTD	1	Software Defect	Local
22Sep2017	23	9-12	RTD	1	Software Defect	Local
22Sep2017	9	1-6,8-12	RTD	1	Software Defect	Local
22Sep2017	1	1,4	RTPD	1	Software Defect	Local
22Sep2017	18-19	1-3	RTPD	1	Software Defect	Local
22Sep2017	2-17,24	1-4	RTPD	1	Software Defect	Local
22Sep2017	22	1	RTPD	1	Software Defect	Local
22Sep2017	23	2	RTPD	1	Software Defect	Local
23Sep2017	1-15,17,19-24	1-12	RTD	1	Software Defect	Local
23Sep2017	16	1-6,8-12	RTD	1	Software Defect	Local
23Sep2017	18	3-12	RTD	1	Software Defect	Local
23Sep2017	1-24	1-4	RTPD	1	Software Defect	Local
24Sep2017	1-14,17-24	1-12	RTD	1	Software Defect	Local
24Sep2017	15	1-7,9-12	RTD	1	Software Defect	Local
24Sep2017	16	2-12	RTD	1	Software Defect	Local
24Sep2017	1-24	1-4	RTPD	1	Software Defect	Local

Corrections made through interval replacement: 0

Corrections made through market rerun: 0

Description of Issues:

1. Software Defect:

- Invalid prices due to a software defect impacting pricing node LMPs.

Prices were corrected by selective recalculation.

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2. Software Defect:

- Missing DGAP and DGAP SP-Tie prices due to a software defect.

Prices were corrected by selective recalculation.

3. Data Input Error:

- Invalid congestion due to data input error impacting flow limit on the constraint.

Prices were corrected by selective recalculation.

4. 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 consecutive market disruptions.

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

Total number of filled price intervals: 0