Price Correction Report
Week of September 18-22

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, **2641** intervals were corrected.

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

DAM: 9/13/2017 – 9/19/2017
RTM: 9/11/2017 – 9/17/2017

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.

Price Correction Report
Week of September 18-22

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: 2641

Date	HE	Intervals	Market	#	Reason	Count of Corrected Pnode/Apnode	Affected Area
11Sep2017	1	2	RTPD	2	Software Defect	23	Local
12Sep2017	1	2	RTPD	2	Software Defect	25	Local
13Sep2017	1	2	RTPD	2	Software Defect	25	Local
14Sep2017	15	11	RTD	3,1	Data Input Error, Software Defect	3334	Local
14Sep2017	15	12	RTD	3,1	Data Input Error, Software Defect	3345	Local
14Sep2017	16	1	RTD	3,1	Data Input Error, Software Defect	2318	Local
14Sep2017	16	10	RTD	3,1	Data Input Error, Software Defect	2330	Local
14Sep2017	16	11-12	RTD	3,1	Data Input Error, Software Defect	3763	Local
14Sep2017	16	3	RTD	3,1	Data Input Error, Software Defect	2420	Local
14Sep2017	16	4	RTD	3,1	Data Input Error, Software Defect	2322	Local
14Sep2017	16	5-6	RTD	3,1	Data Input Error, Software Defect	3755	Local
14Sep2017	16	7	RTD	3,1	Data Input Error, Software Defect	2327	Local
14Sep2017	16	8	RTD	3,1	Data Input Error, Software Defect	4666	Local
14Sep2017	16	9	RTD	3,1	Data Input Error, Software Defect	4672	Local
14Sep2017	17	1	RTD	3,1	Data Input Error, Software Defect	2326	Local
14Sep2017	17	2,5	RTD	3,1	Data Input Error, Software Defect	3764	Local
14Sep2017	17	3	RTD	3,1	Data Input Error, Software Defect	3757	Local
14Sep2017	17	4	RTD	3,1	Data Input Error, Software Defect	2334	Local
14Sep2017	17	6	RTD	3,1	Data Input Error, Software Defect	3684	Local
14Sep2017	17	7	RTD	3,1	Data Input Error, Software Defect	2335	Local
14Sep2017	17	8	RTD	3,1	Data Input Error, Software Defect	3766	Local
14Sep2017	1	2	RTPD	2	Software Defect	26	Local

Price Correction Report
Week of September 18-22

14Sep2017	16	1	RTPD	3,1	Data Input Error, Software Defect	2325	Local
14Sep2017	16	2	RTPD	3,1	Data Input Error, Software Defect	2326	Local
14Sep2017	16	3	RTPD	3,1	Data Input Error, Software Defect	2328	Local
14Sep2017	16	4	RTPD	3,1	Data Input Error, Software Defect	2333	Local
14Sep2017	17	1-2	RTPD	3,1	Data Input Error, Software Defect	2332	Local
14Sep2017	17	3	RTPD	3,1	Data Input Error, Software Defect	2336	Local
14Sep2017	17	4	RTPD	3,1	Data Input Error, Software Defect	2335	Local
14Sep2017	18	1	RTPD	3,1	Data Input Error, Software Defect	2338	Local
15Sep2017	1	2	RTPD	2	Software Defect	25	Local
16Sep2017	1	2	RTPD	2	Software Defect	24	Local
17Sep2017	1	2	RTPD	2	Software Defect	30	Local

The range of corrected Pnode/APnode for the below trade days regarding correction number 1 is 1-48

Date	HE	Intervals	Market	#	Reason	Area Affected
11Sep2017	1-24	1-12	RTD	1	Software Defect	Local
11Sep2017	1-6,8-24	1-4	RTPD	1	Software Defect	Local
11Sep2017	7	1,3-4	RTPD	1	Software Defect	Local
12Sep2017	1-5,7-24	1-12	RTD	1	Software Defect	Local
12Sep2017	6	1-6	RTD	1	Software Defect	Local
12Sep2017	1-5,7-24	1-4	RTPD	1	Software Defect	Local
12Sep2017	6	1-3	RTPD	1	Software Defect	Local
13Sep2017	1-5,7-9,11-24	1-12	RTD	1	Software Defect	Local
13Sep2017	10	1,3-12	RTD	1	Software Defect	Local
13Sep2017	1-4,7,9-10,12-22,24	1-4	RTPD	1	Software Defect	Local
13Sep2017	11	1,3-4	RTPD	1	Software Defect	Local
13Sep2017	23	1,4	RTPD	1	Software Defect	Local
13Sep2017	5,8	1-2,4	RTPD	1	Software Defect	Local
13Sep2017	6	2	RTPD	1	Software Defect	Local
14Sep2017	1-7,10-14,18-24	1-12	RTD	1	Software Defect	Local
14Sep2017	15	1-10	RTD	1	Software Defect	Local
14Sep2017	16	2	RTD	1	Software Defect	Local
14Sep2017	17	9-12	RTD	1	Software Defect	Local
14Sep2017	8	1-11	RTD	1	Software Defect	Local
14Sep2017	9	1-6,8-12	RTD	1	Software Defect	Local
14Sep2017	1-15,19-24	1-4	RTPD	1	Software Defect	Local
14Sep2017	18	2-4	RTPD	1	Software Defect	Local
15Sep2017	1	1-10,12	RTD	1	Software Defect	Local
15Sep2017	2-4,7-24	1-12	RTD	1	Software Defect	Local
15Sep2017	5	1-6	RTD	1	Software Defect	Local
15Sep2017	6	1-6,10-12	RTD	1	Software Defect	Local
15Sep2017	1-4,7-24	1-4	RTPD	1	Software Defect	Local
15Sep2017	5-6	1-3	RTPD	1	Software Defect	Local
16Sep2017	1-24	1-12	RTD	1	Software Defect	Local
16Sep2017	1-24	1-4	RTPD	1	Software Defect	Local
17Sep2017	1-9,11-14,16-24	1-12	RTD	1	Software Defect	Local
17Sep2017	10	1,3,5-7,9-12	RTD	1	Software Defect	Local
17Sep2017	15	1-7,9-12	RTD	1	Software Defect	Local
17Sep2017	1-24	1-4	RTPD	1	Software Defect	Local

Price Correction Report
Week of September 18-22

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 .

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 the transmission line flow limit.

    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.

Price Correction Report
Week of September 18-22

Total number of filled price intervals: 85

Date	HE	Interval	Market
11-Sep-17	14	6	RTD
12-Sep-17	16	7	RTD
12-Sep-17	16	8	RTD
12-Sep-17	16	9	RTD
12-Sep-17	17	1	RTPD
16-Sep-17	23-24	1-12	RTD
16-Sep-17	23-24	1-4	RTPD
17-Sep-17	1-3	1-12	RTD
17-Sep-17	1-3	1-4	RTPD

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