Price Correction Report
Week of Mar 20 –24, 2017

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 new 5 business day for real-time market and 3 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, **572** intervals were corrected.

The trade dates covered by this report are:

DAM: 3/15/2017 – 3/21/2017
RTM: 3/13/2017 – 3/19/2017

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.

Corrections made through selective recalculation: 390

Date	HE	Interval	Market	#	Reason	Count of Corrected Pnode/Apnode	Affected Location
13Mar2017	13	1,6-9	RTD	4	Data Input Error	1386	Local
13Mar2017	13	2-3	RTD	4	Data Input Error	1379	Local
13Mar2017	13	4-5	RTD	4	Data Input Error	1384	Local
13Mar2017	14	1,4	RTD	4	Data Input Error	1388	Local
13Mar2017	14	10-12	RTD	4	Data Input Error	1386	Local
13Mar2017	14	2-3,5	RTD	4	Data Input Error	2338	Local
13Mar2017	14	6	RTD	4	Data Input Error	2337	Local
13Mar2017	14	7-8	RTD	4	Data Input Error	1384	Local
13Mar2017	14	9	RTD	4	Data Input Error	1385	Local
13Mar2017	15	1	RTD	4	Data Input Error	1387	Local
13Mar2017	17	10-11	RTD	4	Data Input Error	3196	Local
13Mar2017	17	12	RTD	4	Data Input Error	3204	Local
13Mar2017	17	2-9	RTD	4	Data Input Error	3195	Local
13Mar2017	18	1	RTD	4	Data Input Error	3195	Local
13Mar2017	21	11	RTD	5	Software Defect	1013	Local
13Mar2017	21	12	RTD	5	Software Defect	2340	Local
13Mar2017	22	1-2	RTD	5	Software Defect	2341	Local
13Mar2017	22	11-12	RTD	5	Software Defect	2344	Local
13Mar2017	22	3	RTD	5	Software Report	4046	Local
13Mar2017	22	4,10	RTD	5	Software Defect	2345	Local
13Mar2017	22	5	RTD	5	Software Defect	1390	Local
13Mar2017	22	6	RTD	5	Software Defect	1389	Local
13Mar2017	22	7	RTD	5	Software Defect	2343	Local
13Mar2017	22	8	RTD	5	Software Defect	1395	Local
13Mar2017	22	9	RTD	5	Software Defect	1396	Local
13Mar2017	23	1	RTD	5	Software Defect	2347	Local
13Mar2017	23	10	RTD	5	Software Defect	2343	Local
13Mar2017	23	11	RTD	5	Software Defect	2342	Local
13Mar2017	23	12	RTD	5	Software Defect	4043	Local
13Mar2017	23	2-3	RTD	5	Software Defect	3606	Local
13Mar2017	23	4-6	RTD	5	Software Defect	1396	Local
13Mar2017	23	7-8	RTD	5	Software Defect	1395	Local
13Mar2017	23	9	RTD	5	Software Defect	1394	Local
13Mar2017	24	1	RTD	5	Software Defect	4043	Local
13Mar2017	24	10-11	RTD	5	Software Defect	1386	Local
13Mar2017	24	2	RTD	5	Software Defect	3604	Local
13Mar2017	24	8	RTD	5	Software Defect	1389	Local
13Mar2017	13	2-3	RTPD	4	Data Input Error	1386	Local

13Mar2017	13	4	RTPD	4	Data Input Error	1377	Local	
13Mar2017	14	1	RTPD	4	Data Input Error	1379	Local	
13Mar2017	14	2	RTPD	4	Data Input Error	1366	Local	
13Mar2017	14	3	RTPD	4	Data Input Error	1387	Local	
13Mar2017	14	4	RTPD	4	Data Input Error	1386	Local	
13Mar2017	15	1	RTPD	4	Data Input Error	1387	Local	
13Mar2017	15	2	RTPD	4	Data Input Error	1384	Local	
13Mar2017	15	4	RTPD	6	Data Input Error		Local	
13Mar2017	16	1	RTPD	6	Data Input Error		Local	
13Mar2017	16	2	RTPD	4	Data Input Error	1364	Local	
13Mar2017	16	3	RTPD	4	Data Input Error	2315	Local	
13Mar2017	17	1	RTPD	4	Data Input Error	3212	Local	
13Mar2017	17	2	RTPD	4	Data Input Error	1367	Local	
13Mar2017	17	3	RTPD	4	Data Input Error	27	Local	
13Mar2017	17	4	RTPD	4	Data Input Error	3195	Local	
13Mar2017	18	2	RTPD	4	Data Input Error	1392	Local	
13Mar2017	21	4	RTPD	5	Software Defect	3224	Local	
13Mar2017	22	1	RTPD	5	Software Defect	3226	Local	
13Mar2017	22	2	RTPD	5	Software Defect	2351	Local	
13Mar2017	22	3	RTPD	5	Software Defect	2352	Local	
13Mar2017	22	4	RTPD	5	Software Defect	2358	Local	
13Mar2017	23	1	RTPD	5	Software Defect	2351	Local	
13Mar2017	23	2	RTPD	5	Software Defect	2355	Local	
13Mar2017	23	3	RTPD	5	Software Defect	2341	Local	
13Mar2017	23	4	RTPD	5	Software Defect	3222	Local	
13Mar2017	24	2-4	RTPD	5	Software Defect		Local	
13Mar2017	24	1	RTPD	5	Software Defect	2342	Local	
14Mar2017	1	1-2	RTD	5	Software Defect	3210	Local	
14Mar2017	1	3	RTD	5	Software Defect	3213	Local	
14Mar2017	1	4,9,11	RTD	5	Software Defect	3222	Local	
14Mar2017	1	5	RTD	5	Software Defect	3229	Local	
14Mar2017	1	6-7,10,12	RTD	5	Software Defect	3223	Local	
14Mar2017	1	8	RTD	5	Software Defect	3221	Local	
14Mar2017	10	1	RTD	5	Software Defect	1811	Local	
14Mar2017	10	10	RTD	5	Software Defect	1829	Local	
14Mar2017	10	11	RTD	5	Software Defect	1828	Local	
14Mar2017	10	12	RTD	5	Software Defect	2315	Local	
14Mar2017	10	2,8-9	RTD	5	Software Defect	1810	Local	
14Mar2017	10	3-6	RTD	5	Software Defect	1789	Local	
14Mar2017	10	7	RTD	5	Software Defect	1364	Local	
14Mar2017	11	1	RTD	5	Software Defect	1806	Local	
14Mar2017	11	10	RTD	5	Software Defect	1392	Local	
14Mar2017	11	11	RTD	5	Software Defect	2342	Local	
14Mar2017	11	12	RTD	5	Software Defect	2337	Local	
14Mar2017	11	2-3,5-6,8-9	RTD	5	Software Defect	2331	Local	
14Mar2017	11	4,7	RTD	5	Software Defect	1827	Local	
14Mar2017	12	1	RTD	5	Software Defect	1828	Local	
14Mar2017	12	10	RTD	5	Software Defect	547	Local	
14Mar2017	12	11	RTD	5	Software Defect	1013	Local	
14Mar2017	12	12	RTD	5	Software Defect	2344	Local	
14Mar2017	12	2-3,8-9	RTD	5	Software Defect	1001	Local	
14Mar2017	12	4-6	RTD	5	Software Defect	1000	Local	

14Mar2017	12	7	RTD	5	Software Defect	497	Local
14Mar2017	2	1,4,7	RTD	5	Software Defect	3224	Local
14Mar2017	2	11	RTD	5	Software Defect	3218	Local
14Mar2017	2	12	RTD	5	Software Defect	3219	Local
14Mar2017	2	2,8-9	RTD	5	Software Defect	3223	Local
14Mar2017	2	3	RTD	5	Software Defect	1013	Local
14Mar2017	2	5-6,10	RTD	5	Software Defect	3221	Local
14Mar2017	3	1	RTD	5	Software Defect	3221	Local
14Mar2017	3	10-11	RTD	5	Software Defect	2337	Local
14Mar2017	3	12	RTD	5	Software Defect	2341	Local
14Mar2017	3	2	RTD	5	Software Defect	2338	Local
14Mar2017	3	3-4,6,8	RTD	5	Software Defect	2339	Local
14Mar2017	3	5	RTD	5	Software Defect	1008	Local
14Mar2017	3	7	RTD	5	Software Defect	1835	Local
14Mar2017	3	9	RTD	5	Software Defect	3217	Local
14Mar2017	4	1-2,5	RTD	5	Software Defect	2336	Local
14Mar2017	4	10	RTD	5	Software Defect	2339	Local
14Mar2017	4	3	RTD	5	Software Defect	2334	Local
14Mar2017	4	4	RTD	5	Software Defect	2333	Local
14Mar2017	4	6,11-12	RTD	5	Software Defect	2338	Local
14Mar2017	4	8	RTD	5	Software Defect	1828	Local
14Mar2017	4	9	RTD	5	Software Defect	1833	Local
14Mar2017	4-5	7	RTD	5	Software Defect	1832	Local
14Mar2017	5	1-2	RTD	5	Software Defect	1829	Local
14Mar2017	5	11-12	RTD	5	Software Defect	2337	Local
14Mar2017	5	3	RTD	5	Software Defect	1830	Local
14Mar2017	5	4	RTD	5	Software Defect	2336	Local
14Mar2017	5	5-6,10	RTD	5	Software Defect	2339	Local
14Mar2017	5	8-9	RTD	5	Software Defect	1828	Local
14Mar2017	6	1-2	RTD	5	Software Defect	1827	Local
14Mar2017	6	10-12	RTD	5	Software Defect	2341	Local
14Mar2017	6	3	RTD	5	Software Defect	1832	Local
14Mar2017	6	4-5	RTD	5	Software Defect	1834	Local
14Mar2017	6	6	RTD	5	Software Defect	1836	Local
14Mar2017	6	7	RTD	5	Software Defect	1811	Local
14Mar2017	6	8-9	RTD	5	Software Defect	1812	Local
14Mar2017	7	1-3	RTD	5	Software Defect	2315	Local
14Mar2017	7	10	RTD	5	Software Defect	2342	Local
14Mar2017	7	11-12	RTD	5	Software Defect	2344	Local
14Mar2017	7	4	RTD	5	Software Defect	1814	Local
14Mar2017	7	5-9	RTD	5	Software Defect	1811	Local
14Mar2017	8	1-2,7	RTD	5	Software Defect	2315	Local
14Mar2017	8	10,12	RTD	5	Software Defect	2345	Local
14Mar2017	8	11	RTD	5	Software Defect	2344	Local
14Mar2017	8	3-6	RTD	5	Software Defect	1811	Local
14Mar2017	8	8-9	RTD	5	Software Defect	2318	Local
14Mar2017	9	1	RTD	5	Software Defect	2318	Local
14Mar2017	9	10	RTD	5	Software Defect	1384	Local
14Mar2017	9	11	RTD	5	Software Defect	1831	Local
14Mar2017	9	12	RTD	5	Software Defect	1832	Local
14Mar2017	9	2-3	RTD	5	Software Defect	1815	Local
14Mar2017	9	4-6	RTD	5	Software Defect	1810	Local

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14Mar2017	9	7-8	RTD	5	Software Defect	1789	Local
14Mar2017	9	9	RTD	5	Software Defect	1811	Local
14Mar2017	1	1,3	RTPD	5	Software Defect	3221	Local
14Mar2017	1	2	RTPD	5	Software Defect	3211	Local
14Mar2017	1	4	RTPD	5	Software Defect	2336	Local
14Mar2017	10	2	RTPD	5	Software Defect	2315	Local
14Mar2017	10	3	RTPD	5	Software Defect	1342	Local
14Mar2017	11	1	RTPD	5	Software Defect	1839	Local
14Mar2017	11	2-3	RTPD	5	Software Defect	1827	Local
14Mar2017	11	4	RTPD	5	Software Defect	1832	Local
14Mar2017	12	1	RTPD	5	Software Defect	508	Local
14Mar2017	12	2	RTPD	5	Software Defect	1827	Local
14Mar2017	12	3	RTPD	5	Software Defect	1828	Local
14Mar2017	12	4	RTPD	5	Software Defect	1013	Local
14Mar2017	2	1,3	RTPD	5	Software Defect	2343	Local
14Mar2017	2	2	RTPD	5	Software Defect	2344	Local
14Mar2017	2	4	RTPD	5	Software Defect	1841	Local
14Mar2017	3	1	RTPD	5	Software Defect	2339	Local
14Mar2017	3	2	RTPD	5	Software Defect	3218	Local
14Mar2017	3	3	RTPD	5	Software Defect	2341	Local
14Mar2017	3	4	RTPD	5	Software Defect	2340	Local
14Mar2017	4	1	RTPD	5	Software Defect	2337	Local
14Mar2017	4	2	RTPD	5	Software Defect	1007	Local
14Mar2017	4	3	RTPD	5	Software Defect	2338	Local
14Mar2017	4	4	RTPD	5	Software Defect	1835	Local
14Mar2017	5	1	RTPD	5	Software Defect	1005	Local
14Mar2017	5	3-4	RTPD	5	Software Defect	2338	Local
14Mar2017	5-6	2	RTPD	5	Software Defect	2337	Local
14Mar2017	6	3	RTPD	5	Software Defect	1812	Local
14Mar2017	6	4	RTPD	5	Software Defect	2345	Local
14Mar2017	6,10	1	RTPD	5	Software Defect	2338	Local
14Mar2017	7	1	RTPD	5	Software Defect	4044	Local
14Mar2017	7	2	RTPD	5	Software Defect	2319	Local
14Mar2017	7	3	RTPD	5	Software Defect	2318	Local
14Mar2017	7	4	RTPD	5	Software Defect	2348	Local
14Mar2017	8	1	RTPD	5	Software Defect	3225	Local
14Mar2017	8	2	RTPD	5	Software Defect	1812	Local
14Mar2017	8	3	RTPD	5	Software Defect	2315	Local
14Mar2017	8	4	RTPD	5	Software Defect	2347	Local
14Mar2017	9	1	RTPD	5	Software Defect	2348	Local
14Mar2017	9	2-3	RTPD	5	Software Defect	2315	Local
14Mar2017	9-10	4	RTPD	5	Software Defect	1810	Local
15Mar2017	1-5,8-18,23-24	0	DA	6	Data Input Error		Local
15Mar2017	24	1-12	RTD	4	Data Input Error	824	Local
15Mar2017	6	7-8,10	RTD	4	Data Input Error	3073	Local
15Mar2017	6	9,11	RTD	4	Data Input Error	4019	Local
15Mar2017	24	3-4	RTPD	4	Data Input Error	824	Local
15Mar2017	8	2-3	RTPD	5	Software Defect	29	Local
17Mar2017	14	12	RTD	2	Data Input Error	983	Local
17Mar2017	14	4	RTD	2	Data Input Error	991	Local
17Mar2017	14	5-6,8,10-11	RTD	2	Data Input Error	989	Local

Date	HE	Interval	Market	#	Reason		Affected Location
17Mar2017	14	7	RTD	2	Data Input Error	988	Local
17Mar2017	14	9	RTD	2	Data Input Error	1006	Local
17Mar2017	15	1-3,10-11	RTD	2	Data Input Error	983	Local
17Mar2017	15	4-6	RTD	2	Data Input Error	989	Local
17Mar2017	15	7,9	RTD	2	Data Input Error	1005	Local
17Mar2017	15	8	RTD	2	Data Input Error	1006	Local
17Mar2017	16	1-7,9-12	RTD	2	Data Input Error	1333	Local
17Mar2017	14	2-4	RTPD	2	Data Input Error	991	Local
17Mar2017	15	1-4	RTPD	2	Data Input Error	991	Local
17Mar2017	16	1,4	RTPD	2	Data Input Error	1333	Local
17Mar2017	16	2	RTPD	2	Data Input Error	1364	Local
17Mar2017	16	3	RTPD	2	Data Input Error	1373	Local
18Mar2017	21	1-3	RTPD	3	Software Defect	880	Local
18Mar2017	9	1-3	RTPD	5	Software Defect	1333	Local
19Mar2017	7	1-3	RTD	5	Software Defect		Local
19Mar2017	7	5-12	RTD	5	Software Defect	1333	Local
19Mar2017	7	1-4	RTPD	5	Software Defect	1333	Local

Corrections made through interval replacement: 209

Date	HE	Interval	Market	#	Reason	Affected Location
17Mar2017	1,7-15	1-12	RTD	1	Tariff	AZPS
17Mar2017	3	5-12	RTD	1	Tariff	AZPS
17Mar2017	4	1-7,10,12	RTD	1	Tariff	AZPS
17Mar2017	5	3,8,11-12	RTD	1	Tariff	AZPS
17Mar2017	6	1-6,11-12	RTD	1	Tariff	AZPS
17Mar2017	1-3,5-15	1-4	RTPD	1	Tariff	AZPS
17Mar2017	4	3-4	RTPD	1	Tariff	AZPS
14MAR2017	20	3-4	RTPD	5	Software Defect	System

Corrections made through market rerun: **0**

Description of Issues:

1. **Tariff:**
   - Due to AZPS market interruption AZPS prices were set based on administrative pricing rules.

   Prices were corrected by interval replacement.

2. **Data Input Error:**
   - Invalid prices due to an input error impacting EIM functionality.

   Prices were corrected by selective recalculation.

3. **Software Defect:**
   - Invalid prices due to a software defect impacting resource dispatch.

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Prices were corrected by selective recalculation.

4. **Data Input Error:**
   - Invalid prices due to a data input error related to incorrect transfer capacity.

   Prices were corrected by selective recalculation.

5. **Software Defect:**
   - Invalid prices due to a software issue related to EIM functionality.

   Prices were corrected by selective recalculation and interval replacement.

6. **Data Input Error:**
   - Invalid regulation down price due to incorrect regulation requirement for a sub region.

   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 by replicating prices from the previous interval, consistent with CAISO Tariff section 7.7.4(3), which states that administrative pricing applies to price intervals where we have had a market disruption, and requires the price to be set "at the applicable price in the Settlement Period immediately preceding the Settlement Period in which the intervention took place." When A.S. fill is required for a RTPD run, the gap is filled with Day Ahead prices. Energy price fill of RTPD run follow the same rule as RTD market.

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

Total number of filled price intervals: 13

Date	HE	Interval	Market
13MAR2017	15	4	RTPD

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13MAR2017	15	8	RTD
13MAR2017	15	9	RTD
13MAR2017	16	1	RTPD
15MAR2017	19	4	RTPD
15MAR2017	19	8	RTD
15MAR2017	19	9	RTD
15MAR2017	20	1	RTPD
16MAR2017	16	4	RTPD
16MAR2017	16	7	RTD
16MAR2017	16	8	RTD
16MAR2017	16	9	RTD
16MAR2017	17	1	RTPD

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