

# Price Correction Report

## Week of Feb 27 – Mar 3, 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 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 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, **185** intervals were corrected.

The trade dates covered by this report are:

DAM: 2/22/2017 – 2/28/2017

RTM: 2/17/2017 – 2/26/2017

### ***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 Feb 27 – Mar 3, 2017

### 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: 182

Date	HE	Interval	Market	#	Reason	Count of Corrected Pnode/Apnode	Affected Location
17Feb2017	1	1-2,4	RTD	6	Data Input Error	1333	Local
17Feb2017	1	10,12	RTD	6	Data Input Error	2315	Local
17Feb2017	1	11	RTD	6	Data Input Error	2316	Local
17Feb2017	3	1	RTD	6	Data Input Error	983	Local
17Feb2017	3	11	RTD	6	Data Input Error	2314	Local
17Feb2017	3	3-5	RTD	6	Data Input Error	2316	Local
17Feb2017	3	6-10	RTD	6	Data Input Error	2315	Local
17Feb2017	5	2-3	RTD	6	Data Input Error	1364	Local
17Feb2017	5	4,11-12	RTD	6	Data Input Error	1365	Local
17Feb2017	5	5,7,9-10	RTD	6	Data Input Error	2314	Local
17Feb2017	5	6,8	RTD	6	Data Input Error	2293	Local
17Feb2017	6	1-2,7,9	RTD	6	Data Input Error	2314	Local
17Feb2017	6	10-11	RTD	6	Data Input Error	2315	Local
17Feb2017	6	12	RTD	6	Data Input Error	1365	Local
17Feb2017	6	3,6	RTD	6	Data Input Error	1810	Local
17Feb2017	6	4-5	RTD	6	Data Input Error	1811	Local
17Feb2017	6	8	RTD	6	Data Input Error	1364	Local
17Feb2017	7	1-9	RTD	6	Data Input Error	2315	Local
17Feb2017	2,8	3	RTPD	6	Data Input Error	25	Local
17Feb2017	3	1-4	RTPD	6	Data Input Error	26	Local
17Feb2017	4	4	RTPD	6	Data Input Error	25	Local
17Feb2017	5	1-2	RTPD	6	Data Input Error	25	Local
17Feb2017	5	3	RTPD	6	Data Input Error	24	Local
17Feb2017	5	4	RTPD	6	Data Input Error	1365	Local
17Feb2017	6	2	RTPD	6	Data Input Error	1365	Local
17Feb2017	6	3	RTPD	6	Data Input Error	2314	Local
17Feb2017	6	4	RTPD	6	Data Input Error	2315	Local
17Feb2017	7	2	RTPD	6	Data Input Error	2315	Local
17Feb2017	8	1-2	RTPD	6	Data Input Error	2315	Local
17Feb2017	8	4	RTPD	6	Data Input Error	27	Local
18Feb2017	16	10	RTD	2	Data Input Error	161	Local
18Feb2017	12	3	RTPD	2	Data Input Error	207	Local
18Feb2017	17	1	RTPD	2	Data Input Error	212	Local
18Feb2017	17	2	RTPD	2	Data Input Error	215	Local
20Feb2017	18	8	RTD	1	Data Input Error	1072	Local
20Feb2017	5	10-11	RTD	3	Software Defect	1017	Local
20Feb2017	5	12	RTD	3	Software Defect	85	Local
20Feb2017	5	8	RTD	3	Software Defect	116	Local

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20Feb2017	5	9	RTD	3	Software Defect	84	Local
20Feb2017	6	1	RTD	3	Software Defect	960	Local
20Feb2017	6	10	RTD	3	Software Defect	85	Local
20Feb2017	6	11	RTD	3	Software Defect	82	Local
20Feb2017	6	12	RTD	3	Software Defect	79	Local
20Feb2017	6	2	RTD	3	Software Defect	86	Local
20Feb2017	6	3-4	RTD	3	Software Defect	983	Local
20Feb2017	6	5	RTD	3	Software Defect	55	Local
20Feb2017	6	6	RTD	3	Software Defect	69	Local
20Feb2017	6	7-8	RTD	3	Software Defect	78	Local
20Feb2017	6	9	RTD	3	Software Defect	80	Local
20Feb2017	7	1-2	RTD	3	Software Defect	84	Local
20Feb2017	7	3,5-6	RTD	3	Software Defect	86	Local
20Feb2017	7	4	RTD	3	Software Defect	85	Local
20Feb2017	7	7-8,10-11	RTD	3	Software Defect	91	Local
20Feb2017	7	9	RTD	3	Software Defect	113	Local
20Feb2017	1	2-4	RTPD	4	Software Defect		Local
21Feb2017	14	1-8	RTD	4	Software Defect	1333	Local
21Feb2017	15	1-2	RTD	4	Software Defect	1333	Local
21Feb2017	14	1	RTPD	4	Software Defect	1333	Local
21Feb2017	15	2-4	RTPD	4	Software Defect	1333	Local
23Feb2017	15	10	RTD	4	Software Defect	1333	Local
23Feb2017	9	10	RTD	4	Software Defect	1021	Local
23Feb2017	9	9,11	RTD	4	Software Defect	1020	Local
23Feb2017	9	3	RTD	4	Software Defect	107	Local
23Feb2017	9	4	RTD	4	Software Defect	109	Local
23Feb2017	9	5	RTD	4	Software Defect	110	Local
23Feb2017	9	6	RTD	4	Software Defect	139	Local
23Feb2017	15	2-3	RTPD	4	Software Defect	1333	Local
24Feb2017	11	1	RTPD	7	Tariff Inconsistency	1007	Local
26Feb2017	11	2-4,6-8,12	RTD	5	Data Input Error	2338	Local
26Feb2017	11	5,9-11	RTD	5	Data Input Error	1333	Local
26Feb2017	12	1-3,5-6	RTD	5	Data Input Error	2395	Local
26Feb2017	12	10,12	RTD	5	Data Input Error	2403	Local
26Feb2017	12	4	RTD	5	Data Input Error	2409	Local
26Feb2017	12	7-9	RTD	5	Data Input Error	2402	Local
26Feb2017	13	1	RTD	5	Data Input Error	2341	Local
26Feb2017	13	3	RTD	5	Data Input Error	1342	Local
26Feb2017	13	4	RTD	5	Data Input Error	1425	Local
26Feb2017	7	11	RTD	5	Data Input Error	1333	Local
26Feb2017	8	4	RTD	5	Data Input Error	1387	Local
26Feb2017	9	2	RTD	5	Data Input Error	1388	Local
26Feb2017	9	3	RTD	5	Data Input Error	1377	Local
26Feb2017	9	4	RTD	5	Data Input Error	1365	Local
26Feb2017	9	5	RTD	5	Data Input Error	1366	Local
26Feb2017	9	6	RTD	5	Data Input Error	2337	Local
26Feb2017	10	1	RTPD	5	Data Input Error		Local
26Feb2017	10	2-3	RTPD	5	Data Input Error	1388	Local
26Feb2017	10	4	RTPD	5	Data Input Error	1389	Local
26Feb2017	11	1	RTPD	7	Tariff Inconsistency	1403	Local

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26Feb2017	11	1	RTPD	5	Data Input Error	1403	Local
26Feb2017	11	2-4	RTPD	5	Data Input Error	1388	Local
26Feb2017	12	1	RTPD	5	Data Input Error	1346	Local
26Feb2017	12	3	RTPD	5	Data Input Error	1394	Local
26Feb2017	13	1	RTPD	5	Data Input Error	1433	Local
26Feb2017	13	2	RTPD	5	Data Input Error	1392	Local
26Feb2017	13	3-4	RTPD	5	Data Input Error	1333	Local
26Feb2017	7,9,12	2,4	RTPD	5	Data Input Error	1333	Local
26Feb2017	8	3	RTPD	5	Data Input Error	1389	Local
26Feb2017	8	4	RTPD	5	Data Input Error	1333	Local
26Feb2017	9	3	RTPD	5	Data Input Error	1391	Local

### Corrections made through interval replacement: 3

Date	HE	Interval	Market	#	Reason	Affected Location
20FEB2017	16	4-6	RTD	8	Software Defect	System

### Corrections made through market rerun: 0

### Description of Issues:

#### 1. Data Input Error:

- Invalid EIM prices due to data input error impacting a resource dispatch.

Prices were corrected by selective recalculation.

#### 2. Data Input Error

- Invalid congestion due to a data input error impacting switch position modeling.

Prices were corrected by selective recalculation.

#### 3. Software Defect:

- Invalid prices due to a software defect impacting resource dispatch.

Prices were corrected by selective recalculation.

#### 4. Software Defect:

- Invalid prices due to a software defect related to EIM functionality.

Prices were corrected by selective recalculation.

#### 5. Data Input Error:

- Invalid prices due to a data input error affecting ETSR transfer limits.

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Prices were corrected by selective recalculation.

### 6. Data Input Error:

- Invalid prices due to a data input error related to incorrect transfer capacity.

Prices were corrected by selective recalculation.

### 7. Tariff Inconsistency:

- Invalid congestion on IPPDCADLN\_ITC due to an open tie condition.

Prices were corrected by selective recalculation.

### 8. Software Defect:

- Invalid prices due to a software defect related to RTCD functionality.

Prices were corrected by interval replacement.

## 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: 1

Date	HE	Interval	Market
22FEB2017	18	2	RTD