

# Price Correction Report

## Week of May 8-12, 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, **75** intervals were corrected.

The trade dates covered by this report are:

DAM: 5/3/2017 – 5/9/2017

RTM: 5/1/2017 – 5/7/2017

### ***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 May 8-12, 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. 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: 67

Date	HE	Interval	Market	#	Reason	Count of Corrected Pnode/Apnode	Affected Location
01May2017	1	1	RTD	1	Data Input Error	4019	Local
01May2017	1	10-11	RTD	1	Data Input Error	1853	Local
01May2017	1	12	RTD	1	Data Input Error	1785	Local
01May2017	1	2	RTD	1	Data Input Error	3162	Local
01May2017	1	3	RTD	1	Data Input Error	3167	Local
01May2017	1	4	RTD	1	Data Input Error	1821	Local
01May2017	1	5-8	RTD	1	Data Input Error	1808	Local
01May2017	1	9	RTD	1	Data Input Error	3139	Local
01May2017	2	1	RTD	1	Data Input Error	1864	Local
01May2017	2	10	RTD	1	Data Input Error	1393	Local
01May2017	2	11	RTD	1	Data Input Error	1392	Local
01May2017	2	12	RTD	1	Data Input Error	1838	Local
01May2017	2	2	RTD	1	Data Input Error	984	Local
01May2017	2	3-4	RTD	1	Data Input Error	1808	Local
01May2017	2	5	RTD	1	Data Input Error	1835	Local
01May2017	2	6	RTD	1	Data Input Error	1820	Local
01May2017	2	7	RTD	1	Data Input Error	1834	Local
01May2017	2	8	RTD	1	Data Input Error	879	Local
01May2017	2	9	RTD	1	Data Input Error	1388	Local
01May2017	1	1	RTPD	1	Data Input Error	3164	Local
01May2017	1	2	RTPD	1	Data Input Error	3168	Local
01May2017	1	3	RTPD	1	Data Input Error	3167	Local
01May2017	1	4	RTPD	1	Data Input Error	2660	Local
01May2017	2	1	RTPD	1	Data Input Error	3196	Local
01May2017	2	2	RTPD	1	Data Input Error	4049	Local
01May2017	2	3	RTPD	1	Data Input Error	2348	Local
01May2017	2	4	RTPD	1	Data Input Error	1010	Local
03May2017	14	10-11	RTD	4	Software Defect	2388	Local
03May2017	14	12	RTD	4	Software Defect	2423	Local
03May2017	15	1	RTD	4	Software Defect	2249	Local
03May2017	15	10	RTD	4	Software Defect	981	Local
03May2017	15	12	RTD	4	Software Defect	1888	Local
03May2017	15	2	RTD	4	Software Defect	2371	Local
03May2017	15	3	RTD	4	Software Defect	2374	Local
03May2017	15	4	RTD	4	Software Defect	2387	Local
03May2017	15	5	RTD	4	Software Defect	2397	Local

# Price Correction Report

## Week of May 8-12, 2017

03May2017	15	6	RTD	4	Software Defect	2398	Local
03May2017	15	7-9	RTD	4	Software Defect	1882	Local
03May2017	16	1-2	RTD	4	Software Defect	1903	Local
03May2017	16	11-12	RTD	4	Software Defect	888	Local
03May2017	16	3	RTD	4	Software Defect	1923	Local
03May2017	16	4	RTD	4	Software Defect	1884	Local
03May2017	17	1-5	RTD	4	Software Defect	888	Local
03May2017	15	1,3	RTPD	4	Software Defect	2390	Local
03May2017	15	2	RTPD	4	Software Defect	2365	Local
03May2017	16	1	RTPD	4	Software Defect	1887	Local
08May2017	1	1	DA	3	Software Defect	69	Local
08May2017	2-3	1	DA	3	Software Defect	65	Local
08May2017	4	1	DA	3	Software Defect	67	Local
08May2017	5	1	DA	3	Software Defect	66	Local
08May2017	6	1	DA	3	Software Defect	60	Local

### Corrections made through interval replacement: 8

Date	HE	Interval	Market	#	Reason	Affected Location
03MAY2017	14	5-9	RTD	4	Software Defect	System
05MAY2017	22	3	RTPD	2	Software Defect	System
05MAY2017	22	7-8	RTD	2	Software Defect	System

### Corrections made through market rerun: 0

### Description of Issues:

#### 1. Data Input Error:

- Invalid EIM prices due to data input error related to base schedules.

Prices were corrected by selective recalculation.

#### 2. Software Defect:

- Invalid prices due to a software defect related to Ancillary Service requirements.

Prices were corrected by interval replacement.

#### 3. Software Defect:

- Incorrect nodal group constraint limit due to software issue.

Prices were corrected by selective recalculation.

#### 4. Software Defect:

# Price Correction Report

## Week of May 8-12, 2017

- Invalid prices due to a software issue impacting resource dispatch and load forecast.

Prices were corrected by selective recalculation and 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: 15

Date	HE	Interval	Market
03MAY2017	16	7	RTD
03MAY2017	16	8	RTD
03MAY2017	17	1	RTPD
03MAY2017	20	2	RTD
03MAY2017	20	3	RTD
03MAY2017	20	4	RTD
03MAY2017	20	4	RTPD
03MAY2017	20	6	RTD
03MAY2017	20	7	RTD
04MAY2017	23	1	RTD
04MAY2017	23	2	RTD
07MAY2017	14	3	RTPD
07MAY2017	15	3	RTPD
07MAY2017	16	3	RTPD
07MAY2017	17	3	RTPD
03MAY2017	16	7	RTD

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