Price Correction Report
Week of Apr 24-28, 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, **129** intervals were corrected.

The trade dates covered by this report are:

DAM: 4/19/2017 – 4/25/2017
RTM: 4/17/2017 – 4/23/2017

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. 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: 129

Date	HE	Interval	Market	#	Reason	Count of Corrected Pnode/Apnode	Affected Location
19Apr2017	11	11-12	RTD	1	Data Input Error	1835	Local
19Apr2017	12	1-3	RTD	1	Data Input Error	1836	Local
19Apr2017	12	4	RTD	1	Data Input Error	1835	Local
19Apr2017	19	2	RTD	2	Software Defect	4034	Local
19Apr2017	19	7-8	RTD	2	Software Defect	886	Local
19Apr2017	20	12	RTD	2	Software Defect	887	Local
19Apr2017	20	4	RTD	2	Software Defect	885	Local
19Apr2017	20	5-7,10-11	RTD	2	Software Defect	886	Local
19Apr2017	20	8	RTD	2	Software Defect	1840	Local
19Apr2017	20	9	RTD	2	Software Defect	1841	Local
19Apr2017	21	1	RTD	2	Software Defect	885	Local
19Apr2017	21	12	RTD	2	Software Defect	1833	Local
19Apr2017	21	2	RTD	2	Software Defect	1841	Local
19Apr2017	21	3	RTD	2	Software Defect	888	Local
19Apr2017	21	4-5	RTD	2	Software Defect	902	Local
19Apr2017	21	6	RTD	2	Software Defect	939	Local
19Apr2017	21	7,9	RTD	2	Software Defect	878	Local
19Apr2017	21	8	RTD	2	Software Defect	1328	Local
19Apr2017	22	11	RTD	2	Software Defect	897	Local
19Apr2017	22	4	RTD	2	Software Defect	889	Local
19Apr2017	22	5-6	RTD	2	Software Defect	2720	Local
19Apr2017	23	11-12	RTD	2	Software Defect	886	Local
19Apr2017	23	5-6	RTD	2	Software Defect	2711	Local
19Apr2017	24	1	RTD	2	Software Defect	1842	Local
19Apr2017	24	12	RTD	2	Software Defect	1873	Local
19Apr2017	24	3	RTD	2	Software Defect	1872	Local
19Apr2017	24	4-6	RTD	2	Software Defect	886	Local
19Apr2017	24	8	RTD	2	Software Defect	2719	Local
19Apr2017	12	4	RTPD	1	Data Input Error	1014	Local
19Apr2017	13	1	RTPD	1	Data Input Error	482	Local
19Apr2017	22	1	RTPD	2	Software Defect	2724	Local
19Apr2017	22	2	RTPD	2	Software Defect	919	Local
19Apr2017	22	4	RTPD	2	Software Defect	925	Local
19Apr2017	23	3	RTPD	2	Software Defect	878	Local
19Apr2017	24	1,3	RTPD	2	Software Defect	886	Local
19Apr2017	24	4	RTPD	2	Software Defect	889	Local

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20Apr2017	1	1	RTD	2	Software Defect	885	Local
20Apr2017	13,21	12	RTD	2	Software Defect		Local
20Apr2017	14	1-2	RTD	2	Software Defect		Local
20Apr2017	19	8	RTD	2	Software Defect		Local
20Apr2017	20	1,3-4,6-7	RTD	2	Software Defect		Local
20Apr2017	20	5	RTD	2	Software Defect	890	Local
20Apr2017	21	9	RTD	2	Software Defect	891	Local
20Apr2017	22	1-2	RTD	2	Software Defect	1851	Local
20Apr2017	22	4	RTD	2	Software Defect	896	Local
20Apr2017	22	5	RTD	2	Software Defect	1850	Local
20Apr2017	22,24	3	RTD	2	Software Defect		Local
20Apr2017	6	1-2	RTD	2	Software Defect	853	Local
20Apr2017	6	10-11	RTD	2	Software Defect	884	Local
20Apr2017	6	12	RTD	2	Software Defect	1837	Local
20Apr2017	6	3	RTD	2	Software Defect	856	Local
20Apr2017	6	4	RTD	2	Software Defect	855	Local
20Apr2017	6	7-9	RTD	2	Software Defect	875	Local
20Apr2017	7	1-6	RTD	2	Software Defect	1837	Local
20Apr2017	7	10	RTD	2	Software Defect	2714	Local
20Apr2017	7	11	RTD	2	Software Defect	1835	Local
20Apr2017	7	7	RTD	2	Software Defect	883	Local
20Apr2017	7	8-9	RTD	2	Software Defect	1333	Local
20Apr2017	1	1,3	RTPD	2	Software Defect	886	Local
20Apr2017	13	1	RTPD	2	Software Defect	877	Local
20Apr2017	14	3	RTPD	2	Software Defect	1054	Local
20Apr2017	16	4	RTPD	2	Software Defect	10547	Local
20Apr2017	18	1	RTPD	2	Software Defect	1830	Local
20Apr2017	18	4	RTPD	2	Software Defect		Local
20Apr2017	19	2-3	RTPD	2	Software Defect		Local
20Apr2017	19	4	RTPD	2	Software Defect	894	Local
20Apr2017	20	1-2	RTPD	2	Software Defect		Local
20Apr2017	20	3	RTPD	2	Software Defect	893	Local
20Apr2017	20	4	RTPD	2	Software Defect	891	Local
20Apr2017	21	1-2,4	RTPD	2	Software Defect		Local
20Apr2017	21	3	RTPD	2	Software Defect	897	Local
20Apr2017	22	1,3	RTPD	2	Software Defect	899	Local
20Apr2017	23	1	RTPD	2	Software Defect		Local
20Apr2017	24	4	RTPD	2	Software Defect	4022	Local
21Apr2017	1	2,10-12	RTD	3	Software Defect	427	Local
21Apr2017	1	3	RTD	3	Software Defect	1008	Local
21Apr2017	1	4	RTD	3	Software Defect	1001	Local
21Apr2017	1	5	RTD	3	Software Defect	1000	Local
21Apr2017	1	6	RTD	3	Software Defect	1005	Local
21Apr2017	1	7-9	RTD	3	Software Defect	999	Local
21Apr2017	1	1	RTPD	2,3	Software Defect	1330	Local
21Apr2017	1	2,4	RTPD	3	Software Defect	427	Local
21Apr2017	1	3	RTPD	3	Software Defect	1003	Local

Corrections made through interval replacement: 0

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Corrections made through market rerun: **0**

Description of Issues:

1. **Data Input Error:**
    - Invalid prices due to a data input error impacting load forecast.

    Prices were corrected by selective recalculation.

2. **Software Defect:**
    - Invalid NEVP prices due to a software issue impacting resource dispatch.

    Prices were corrected by selective recalculation.

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

    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: 15

Date	HE	Interval	Market
17APR2017	17	4	RTPD
17APR2017	17	7	RTD
17APR2017	17	8	RTD

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17APR2017	17	9	RTD
17APR2017	18	1	RTPD
18APR2017	15	4	RTPD
18APR2017	15	7	RTD
18APR2017	15	8	RTD
18APR2017	15	9	RTD
18APR2017	15	10	RTD
18APR2017	15	11	RTD
18APR2017	15	12	RTD
18APR2017	16	1	RTD
18APR2017	16	1	RTPD
18APR2017	16	2	RTPD

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