Price Correction Report
Week of July 20 – 24, 2020

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, **124** intervals were corrected.

The trade dates covered by this report are:

DAM: 7/15/2020 – 7/21/2020
RTM: 7/13/2020 – 7/19/2020

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. 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 or AS price corrections for those intervals that have the Count of Corrected Pnode/Apnode column missing.

Corrections made through selective recalculation: **118**

Date	HE	Intervals	Market	#	Reason	Number of corrected Pnodes/Apnodes	Affected Area
07/14/2020	18	7-9	RTD	3	Data Input Error	202	Local
07/14/2020	20	4-5	RTD	3	Data Input Error	202	Local
07/14/2020	20	6	RTD	3	Data Input Error	204	Local
07/14/2020	18	4	RTPD	3	Data Input Error	205	Local
07/14/2020	19	3	RTPD	3	Data Input Error	126	Local
07/14/2020	20	3	RTPD	3	Data Input Error	207	Local
07/18/2020	15	11	RTD	2	Data Input Error	1027	Local
07/18/2020	15	12	RTD	2	Data Input Error	1028	Local
07/18/2020	15	7-9	RTD	2	Data Input Error	1340	Local
07/18/2020	16	1	RTD	2	Data Input Error	1341	Local
07/18/2020	16	10-11	RTD	1,2	Data Input Error	1347	Local
07/18/2020	16	12	RTD	1	Data Input Error	1348	Local
07/18/2020	16	2	RTD	2	Data Input Error	1340	Local
07/18/2020	16	3	RTD	2	Data Input Error	1346	Local
07/18/2020	16	4	RTD	2	Data Input Error	1338	Local
07/18/2020	16	5	RTD	2	Data Input Error	1373	Local
07/18/2020	16	6	RTD	2	Data Input Error	1372	Local
07/18/2020	16	7	RTD	1,2	Data Input Error	1345	Local
07/18/2020	16	8-9	RTD	1,2	Data Input Error	1346	Local
07/18/2020	17	1-2	RTD	1	Data Input Error	1339	Local
07/18/2020	17	10-11	RTD	1	Data Input Error	1308	Local
07/18/2020	17	12	RTD	1	Data Input Error	1319	Local
07/18/2020	17	3,5	RTD	1	Data Input Error	1340	Local
07/18/2020	17	4,7-8	RTD	1	Data Input Error	1341	Local
07/18/2020	17	6	RTD	1	Data Input Error	1343	Local
07/18/2020	17	9	RTD	1	Data Input Error	1342	Local
07/18/2020	18	10-11	RTD	1	Data Input Error	1281	Local
07/18/2020	18	12	RTD	1	Data Input Error	4526	Local
07/18/2020	18	2-3	RTD	1	Data Input Error	1275	Local
07/18/2020	18	4-5	RTD	1	Data Input Error	1251	Local
07/18/2020	18	7-8	RTD	1	Data Input Error	1301	Local
07/18/2020	18	9	RTD	1	Data Input Error	1303	Local
07/18/2020	19	3	RTD	1	Data Input Error	1277	Local
07/18/2020	15	2	RTPD	2	Data Input Error	1060	Local
07/18/2020	15	4	RTPD	2	Data Input Error	1027	Local
07/18/2020	16	1	RTPD	2	Data Input Error	1381	Local
07/18/2020	16	2	RTPD	2	Data Input Error	1341	Local

07/18/2020	16	3	RTPD	2	Data Input Error	1345	Local
07/18/2020	16	4	RTPD	1,2	Data Input Error	1384	Local
07/18/2020	17	1	RTPD	1,2	Data Input Error	1400	Local
07/18/2020	17	2	RTPD	1,2	Data Input Error	1341	Local
07/18/2020	17	3	RTPD	1	Data Input Error	1306	Local
07/18/2020	17	4	RTPD	1	Data Input Error	1311	Local
07/18/2020	18	1	RTPD	1	Data Input Error	1252	Local
07/18/2020	18	2	RTPD	1	Data Input Error	1285	Local
07/18/2020	18	3	RTPD	1	Data Input Error	1257	Local
07/18/2020	18	4	RTPD	1,2	Data Input Error	1284	Local
07/19/2020	17	1-2	RTD	4	Data Input Error	786	Local
07/19/2020	17	3,7-12	RTD	4	Data Input Error	787	Local
07/19/2020	17	4-5	RTD	4	Data Input Error	823	Local
07/19/2020	17	6	RTD	4	Data Input Error	824	Local
07/19/2020	18	1	RTD	4	Data Input Error	822	Local
07/19/2020	18	12	RTD	4	Data Input Error	806	Local
07/19/2020	18	2-3	RTD	4	Data Input Error	823	Local
07/19/2020	18	4-5	RTD	4	Data Input Error	786	Local
07/19/2020	18	6,10-11	RTD	4	Data Input Error	787	Local
07/19/2020	18	7-8	RTD	4	Data Input Error	670	Local
07/19/2020	18	9	RTD	4	Data Input Error	671	Local
07/19/2020	19	1-2,4-7,10-11	RTD	4	Data Input Error	786	Local
07/19/2020	19	3,8	RTD	4	Data Input Error	787	Local
07/19/2020	19	9,12	RTD	4	Data Input Error	788	Local
07/19/2020	20	1,3-6	RTD	4	Data Input Error	784	Local
07/19/2020	17-18	1-3	RTPD	4	Data Input Error	786	Local
07/19/2020	17-18	4	RTPD	4	Data Input Error	787	Local
07/19/2020	19	1-2,4	RTPD	4	Data Input Error	786	Local
07/19/2020	19	3	RTPD	4	Data Input Error	785	Local
07/19/2020	20	2-3	RTPD	4	Data Input Error	786	Local

Corrections made through interval replacement: 6

Date	HE	Intervals	Market	#	Reason	Affected Area
07/17/2020	14	10-12	RTD	5	Software Defect	System
07/17/2020	15	1-3	RTD	5	Software Defect	System

Corrections made through market rerun: **0**

Description of Issues:

1. **Data Input Error:**

   - Invalid congestion on CAL-DRM_2 120 due to a data input error related to load distribution factors.

   Prices were corrected by selective recalculation.

2. **Data Input Error:**

- Invalid congestion on SUMMIT2-DRUM due to a data input error related to load distribution factors.

  Prices were corrected by selective recalculation.

3. **Data Input Error:**

- Invalid congestion on 32214_RIO OSO _115_31965_KNIGTLJ1_115_BR_1 _1 due to a data input error affecting the constraint limit.

  Prices were corrected by selective recalculation.

4. **Data Input Error:**

- Invalid congestion on 32214_RIO OSO _115_32244_BRNSWKT2_115_BR_2 _1 due to a data input error related to load distribution factors.

  Prices were corrected by selective recalculation.

5. **Software Defect:**

- Invalid prices due to a software defect impacting RTCD runs.

  Prices were corrected through 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 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.

Total number of filled price intervals: 8

Date	HE	Intervals	Market
07/14/2020	15	7	RTD
07/14/2020	15	8	RTD
07/14/2020	16	1	RTPD
07/17/2020	14	11	RTD
07/17/2020	14	12	RTD
07/17/2020	15	1	RTD
07/17/2020	15	2	RTD
07/17/2020	15	3	RTD

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

Disconnected Pnode Report

According to Congestion Revenue Rights BPM Section 15, when the IFM cannot identify an electrically connected PNODE within the fixed level of proximity, a post process will be performed to determine the next closest electrically connected PNode and replace the LMP of the disconnected PNode with this price. This price update will be done within the DAM price correction timeline.

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

Total number of hours with disconnected pnode price update: 18

Date	HE
07/15/2020	1-18