Price Correction Report
Week of March 13– March 17, 2023

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, **202** intervals were corrected.

The trade dates covered by this report are:

DAM: 3/08/2023 – 3/14/2023
RTM: 3/06/2023 – 3/12/2023

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.

California ISO

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Price Correction Listing

The following is a list of the corrections made during the week, provided with 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/SP-Tie for each corrected interval is listed left to the Affected Location field, for Energy and FRP respectively. In case of many intervals with the same correction reason, instead of providing the exact count of corrected Pnode/APnode/SP-Tie, the range of Pnode/APnode/SP-Tie affected is provided and listed in another table. Please note that there are only AS price corrections or only constraint shadow price correction for those intervals that have the Count of Corrected Pnode/APnode/SP-Tie columns missing.

Corrections made through selective recalculation: 202

Date	HE	Intervals	Market	#	Reason	Number of corrected Pnodes/APnodes/ SP-Ties for Energy	Number of corrected Pnodes/APnodes/ SP-Ties for Flex Ramp	Method	Affected Area
03/06/2023	10	7-12	RTD	5	Data Input Error	558		Selective Recalc	Local
03/06/2023	11	1-2	RTD	5	Data Input Error	558		Selective Recalc	Local
03/06/2023	14	1-12	RTD	5	Data Input Error	401		Selective Recalc	Local
03/06/2023	15	1-9	RTD	5	Data Input Error	401		Selective Recalc	Local
03/06/2023	15	10-12	RTD	5	Data Input Error	399		Selective Recalc	Local
03/06/2023	16	1-5,9	RTD	5	Data Input Error	399		Selective Recalc	Local
03/06/2023	17	11	RTD	5	Data Input Error	378		Selective Recalc	Local
03/06/2023	17	2-3	RTD	5	Data Input Error	399		Selective Recalc	Local
03/06/2023	10	4	RTPD	5	Data Input Error	558		Selective Recalc	Local
03/06/2023	11	2-3	RTPD	5	Data Input Error	558		Selective Recalc	Local
03/06/2023	13	1	RTPD	5	Data Input Error	558		Selective Recalc	Local
03/06/2023	14	1,3-4	RTPD	5	Data Input Error	401		Selective Recalc	Local
03/06/2023	15	1-4	RTPD	5	Data Input Error	401		Selective Recalc	Local
03/06/2023	16	1-3	RTPD	5	Data Input Error	399		Selective Recalc	Local
03/07/2023	10	1-3	RTD	5	Data Input Error	422		Selective Recalc	Local
03/07/2023	12	10-12	RTD	8	Software Defect	10749		Selective Recalc	Local
03/07/2023	13	1-2,7-8	RTD	8	Software Defect	10736		Selective Recalc	Local
03/07/2023	13	10	RTD	8	Software Defect	10865		Selective Recalc	Local
03/07/2023	13	9	RTD	8	Software Defect	10738		Selective Recalc	Local
03/07/2023	14	1-2	RTD	8	Software Defect	11007		Selective Recalc	Local
03/07/2023	14	3	RTD	8	Software Defect	11027		Selective Recalc	Local
03/07/2023	14	4-6	RTD	8	Software Defect	11056		Selective Recalc	Local
03/07/2023	14	7-8	RTD	8	Software Defect	10949		Selective Recalc	Local
03/07/2023	14	9	RTD	8	Software Defect	10931		Selective Recalc	Local
03/07/2023	15	10-12	RTD	8	Software Defect	11769		Selective Recalc	Local
03/07/2023	15	7	RTD	8	Software Defect	11743		Selective Recalc	Local
03/07/2023	15	8-9	RTD	8	Software Defect	11784		Selective Recalc	Local
03/07/2023	16	1-3	RTD	8	Software Defect	11908		Selective Recalc	Local
03/07/2023	16	12	RTD	8	Software Defect	12136		Selective Recalc	Local
03/07/2023	8	10-12	RTD	5	Data Input Error	399		Selective Recalc	Local
03/07/2023	9	10-11	RTD	5	Data Input Error	418		Selective Recalc	Local
03/07/2023	10	2	RTPD	5	Data Input Error	422		Selective Recalc	Local
03/07/2023	14	1	RTPD	8	Software Defect	11056		Selective Recalc	Local
03/07/2023	14	2	RTPD	8	Software Defect	11045		Selective Recalc	Local

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03/07/2023	14	3	RTPD	8	Software Defect	11108		Selective Recalc	Local
03/07/2023	16	2	RTPD	8	Software Defect	11980		Selective Recalc	Local
03/07/2023	16	3	RTPD	8	Software Defect	12220		Selective Recalc	Local
03/07/2023	16	4	RTPD	8	Software Defect	12158		Selective Recalc	Local
03/07/2023	17	4	RTPD	8	Software Defect	13420		Selective Recalc	Local
03/07/2023	9	3	RTPD	5	Data Input Error	418		Selective Recalc	Local
03/08/2023	17	4-6	RTD	5	Data Input Error	418		Selective Recalc	Local
03/09/2023	19-20,24	0	DA	2	Data Input Error	293		Selective Recalc	Local
03/09/2023	21-23	0	DA	2	Data Input Error	296		Selective Recalc	Local
03/09/2023	13	10-12	RTD	7	Software Defect	10610		Selective Recalc	Local
03/09/2023	13	6	RTD	7	Software Defect	10642		Selective Recalc	Local
03/09/2023	13	7-9	RTD	7	Software Defect	10603		Selective Recalc	Local
03/09/2023	14	1-6	RTD	7	Software Defect	10628		Selective Recalc	Local
03/09/2023	14	12	RTD	7	Software Defect	10634		Selective Recalc	Local
03/09/2023	14	7-11	RTD	7	Software Defect	10618		Selective Recalc	Local
03/09/2023	15	1,3,8	RTD	7	Software Defect	10636		Selective Recalc	Local
03/09/2023	15	10-12	RTD	7	Software Defect	10627		Selective Recalc	Local
03/09/2023	15	2,9	RTD	7	Software Defect	10620		Selective Recalc	Local
03/09/2023	15	6	RTD	7	Software Defect	10661		Selective Recalc	Local
03/09/2023	15	7	RTD	7	Software Defect	10645		Selective Recalc	Local
03/09/2023	16	1	RTD	7	Software Defect	10776		Selective Recalc	Local
03/09/2023	19	2-12	RTD	2	Data Input Error	335		Selective Recalc	Local
03/09/2023	14	2-3	RTPD	7	Software Defect	10612		Selective Recalc	Local
03/09/2023	14	4	RTPD	7	Software Defect	10618		Selective Recalc	Local
03/09/2023	15	1	RTPD	7	Software Defect	10620		Selective Recalc	Local
03/09/2023	15	2	RTPD	7	Software Defect	10666		Selective Recalc	Local
03/09/2023	15	3	RTPD	7	Software Defect	10749		Selective Recalc	Local
03/09/2023	19	1-4	RTPD	2	Data Input Error	335		Selective Recalc	Local
03/09/2023	20	1-2	RTPD	2	Data Input Error	335		Selective Recalc	Local
03/09/2023	20	3	RTPD	3	Data Input Error	278		Selective Recalc	Local
03/10/2023	1-4	0	DA	2	Data Input Error	293		Selective Recalc	Local
03/10/2023	10-17	0	DA	4	Data Input Error	213		Selective Recalc	Local
03/10/2023	5	0	DA	2	Data Input Error	296		Selective Recalc	Local
03/10/2023	16	6	RTD	6	Data Input Error	16043		Selective Recalc	Local
03/10/2023	16	7	RTD	6	Data Input Error	16050		Selective Recalc	Local
03/10/2023	18	1	RTD	6	Data Input Error	15950		Selective Recalc	Local
03/10/2023	18	2-3	RTD	6	Data Input Error	15955		Selective Recalc	Local
03/10/2023	18	4-6	RTD	6	Data Input Error	15944		Selective Recalc	Local
03/10/2023	17	1	RTPD	6	Data Input Error	15956		Selective Recalc	Local
03/12/2023	17,20,23 -24	0	DA	2	Data Input Error	292		Selective Recalc	Local
03/12/2023	18	0	DA	2	Data Input Error	250		Selective Recalc	Local
03/12/2023	19,21-22	0	DA	2	Data Input Error	289		Selective Recalc	Local
03/12/2023	10	12	RTD	7	Software Defect	4085		Selective Recalc	Local
03/12/2023	11	1	RTD	7	Software Defect	4085		Selective Recalc	Local
03/12/2023	11	2	RTD	7	Software Defect	4231		Selective Recalc	Local
03/13/2023	1-4	0	DA	2	Data Input Error	289		Selective Recalc	Local
03/13/2023	14	0	DA	1	Data Input Error	1		Selective Recalc	Local
03/13/2023	5	0	DA	2	Data Input Error	294		Selective Recalc	Local

Corrections made through interval replacement: 0

Corrections made through market rerun: 0

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Description of Issues:

1. **Data Input Error:**
   Invalid congestion on 18111_VALLEYVE_138_18114_Q993-994_138_BR_1 _1 due to a data input error impacting constraint enforcement.

   Prices were corrected by selective recalculation.

2. **Data Input Error:**
   Invalid congestion on 30300_TABLMTN _230_30330_RIO OSO _230_BR_1 _1 due to a data input error impacting contingency enforcement.

   Prices were corrected by selective recalculation.

3. **Data Input Error:**
   Invalid congestion on 32326_ENCL TAP_60.0_32332_PEASE _60.0_BR_1 _1 due to a data input error impacting contingency enforcement.

   Prices were corrected by selective recalculation.

4. **Data Input Error:**
   Invalid congestion on 33020_MORAGA _115_32780_CLARMNT _115_BR_2 _1 due to a data input error impacting network model.

   Prices were corrected by selective recalculation.

5. **Data Input Error:**
   Invalid congestion on XFMR1 115.STF due to a data input error impacting contingency definition.

   Prices were corrected by selective recalculation.

6. **Data Input Error:**
   Invalid congestion on 24086_LUGO _500_26105_VICTORVL_500_BR_1 _1 due to a data input error impacting network model.

   Prices were corrected by selective recalculation.

7. **Software Defect:**
   Invalid shadow price due to a software defect impacting pricing formation.

   Prices were corrected by selective recalculation.

8. **Software Defect:**
   Invalid shadow price due to a software defect impacting pricing.

   Prices were corrected by selective recalculation.

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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 for energy, AS and GHG: 18

Date	HE	Intervals	Market
03/06/2023	12	11	RTD
03/07/2023	3	6	RTD
03/07/2023	3	7	RTD
03/07/2023	3	8	RTD
03/07/2023	3	11	RTD
03/07/2023	3	12	RTD
03/07/2023	4	1	RTD
03/08/2023	14	7	RTD
03/08/2023	14	8	RTD
03/08/2023	14	9	RTD
03/08/2023	14	10	RTD
03/08/2023	14	11	RTD
03/08/2023	14	12	RTD
03/08/2023	15	1	RTD
03/08/2023	14	4	RTPD
03/08/2023	15	1	RTPD
03/08/2023	15	2	RTPD
03/09/2023	7	5	RTD

Total number of filled price intervals for FRP: 18

Date	HE	Intervals	Market
03/06/2023	12	12	RTD
03/07/2023	3	7	RTD
03/07/2023	3	8	RTD
03/07/2023	3	9	RTD
03/07/2023	3	12	RTD
03/07/2023	4	1	RTD
03/07/2023	4	2	RTD

03/08/2023	14	8	RTD
03/08/2023	14	9	RTD
03/08/2023	14	10	RTD
03/08/2023	14	11	RTD
03/08/2023	14	12	RTD
03/08/2023	15	1	RTD
03/08/2023	15	2	RTD
03/08/2023	15	1	RTPD
03/08/2023	15	2	RTPD
03/08/2023	15	3	RTPD
03/09/2023	7	6	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: 0