

# Price Correction Report

## Week of July 24 – July 28, 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 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 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, **43** intervals were corrected.

The trade dates covered by this report are:

DAM: 07/19/2023 – 07/25/2023

RTM: 07/17/2023 – 07/23/2023

### ***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.

# Price Correction Report

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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: 120

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
07/17/2023	15	12	RTD	1	Data Input Error	81		Selective Recalc	Local
07/17/2023	15	7,11	RTD	1	Data Input Error	80		Selective Recalc	Local
07/17/2023	15	8-10	RTD	1	Data Input Error	172		Selective Recalc	Local
07/17/2023	16	7-9	RTD	2	Data Input Error	62		Selective Recalc	Local
07/17/2023	17	1	RTD	2	Data Input Error	115		Selective Recalc	Local
07/17/2023	17	11-12	RTD	4	Software Defect	457		Selective Recalc	Local
07/17/2023	17	2	RTD	2	Data Input Error	125		Selective Recalc	Local
07/17/2023	17	3-4	RTD	2	Data Input Error	123		Selective Recalc	Local
07/17/2023	17	5-7	RTD	2	Data Input Error	154		Selective Recalc	Local
07/17/2023	17	8-9	RTD	2	Data Input Error	162		Selective Recalc	Local
07/17/2023	19	2	RTD	3	Data Input Error	380		Selective Recalc	Local
07/17/2023	19	9-12	RTD	4	Software Defect	373		Selective Recalc	Local
07/17/2023	20	7	RTD	4	Software Defect	712		Selective Recalc	Local
07/17/2023	3	7	RTD	4	Software Defect	596		Selective Recalc	Local
07/17/2023	15-16	4	RTPD	1	Data Input Error	16		Selective Recalc	Local
07/17/2023	17	1-2	RTPD	2	Data Input Error	5		Selective Recalc	Local
07/17/2023	17	3	RTPD	4,2	Data Input Error	320		Selective Recalc	Local
07/17/2023	17	4	RTPD	4,2	Data Input Error	879		Selective Recalc	Local
07/17/2023	19	4	RTPD	4	Software Defect	315		Selective Recalc	Local
07/18/2023	11	7-8	RTD	7	Software Defect	56	696	Selective Recalc	Local
07/18/2023	11	9	RTD	7	Software Defect		696	Selective Recalc	Local
07/18/2023	11	3	RTPD	7	Software Defect		696	Selective Recalc	Local
07/18/2023	17	4	RTPD	4	Software Defect	318		Selective Recalc	Local
07/19/2023	10	10,12	RTD	7	Software Defect	750	696	Selective Recalc	Local
07/19/2023	10	11	RTD	7	Software Defect	56	696	Selective Recalc	Local
07/19/2023	11	10-11	RTD	7	Software Defect	56	696	Selective Recalc	Local
07/19/2023	11	12	RTD	7	Software Defect		696	Selective Recalc	Local
07/19/2023	10	4	RTPD	7	Software Defect	694	696	Selective Recalc	Local
07/19/2023	11	4	RTPD	7	Software Defect		696	Selective Recalc	Local
07/19/2023	19	4	RTPD	4	Software Defect	315		Selective Recalc	Local
07/20/2023	15	4	RTPD	4	Software Defect	315		Selective Recalc	Local
07/20/2023	16	2-4	RTPD	4	Software Defect	315		Selective Recalc	Local
07/20/2023	19	3	RTPD	4	Software Defect	492		Selective Recalc	Local
07/21/2023	12	1,4-9	RTD	5	Software Defect	1681		Selective Recalc	Local
07/21/2023	12	10-11	RTD	5	Software Defect	1930		Selective Recalc	Local

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07/21/2023	12	12	RTD	5	Software Defect	1681	384	Selective Recalc	Local
07/21/2023	12	2-3	RTD	5	Software Defect	1720		Selective Recalc	Local
07/21/2023	17	10-11	RTD	4	Software Defect	367		Selective Recalc	Local
07/21/2023	23	11	RTD	4	Software Defect	469		Selective Recalc	Local
07/21/2023	12	1	RTPD	5	Software Defect	1625	1999	Selective Recalc	Local
07/21/2023	12	2	RTPD	5	Software Defect	1625	1615	Selective Recalc	Local
07/21/2023	12	3-4	RTPD	5	Software Defect		1615	Selective Recalc	Local
07/21/2023	17-18	3-4	RTPD	4	Software Defect	315		Selective Recalc	Local
07/21/2023	19	4	RTPD	4	Software Defect	758		Selective Recalc	Local
07/21/2023	20	1-3	RTPD	4	Software Defect	619		Selective Recalc	Local
07/21/2023	20	4	RTPD	4	Software Defect	611		Selective Recalc	Local
07/21/2023	21	1	RTPD	4	Software Defect	698		Selective Recalc	Local
07/21/2023	21	2	RTPD	4	Software Defect	758		Selective Recalc	Local
07/22/2023	16	11-12	RTD	4	Software Defect	1482		Selective Recalc	Local
07/22/2023	17	6	RTD	4	Software Defect	1383		Selective Recalc	Local
07/22/2023	18	3	RTD	4	Software Defect	1365		Selective Recalc	Local
07/22/2023	24	4-5	RTD	4	Software Defect	839		Selective Recalc	Local
07/22/2023	1	1	RTPD	6	Software Defect	694		Selective Recalc	Local
07/22/2023	17	2	RTPD	4	Software Defect	1602		Selective Recalc	Local
07/22/2023	17,19	4	RTPD	4	Software Defect	248		Selective Recalc	Local
07/22/2023	18	1,4	RTPD	4	Software Defect	219		Selective Recalc	Local
07/22/2023	18	2	RTPD	4	Software Defect	1603		Selective Recalc	Local
07/22/2023	19	1	RTPD	4	Software Defect	219		Selective Recalc	Local
07/22/2023	20	1	RTPD	4	Software Defect	248		Selective Recalc	Local
07/22/2023	20	2-3	RTPD	4	Software Defect	859		Selective Recalc	Local
07/22/2023	20	4	RTPD	4	Software Defect	865		Selective Recalc	Local
07/22/2023	21	1-3	RTPD	4	Software Defect	248		Selective Recalc	Local
07/23/2023	17	1,4	RTD	4	Software Defect	371		Selective Recalc	Local
07/23/2023	17	2	RTD	4	Software Defect	381		Selective Recalc	Local
07/23/2023	17	3	RTD	4	Software Defect	383		Selective Recalc	Local
07/23/2023	17	5	RTD	4	Software Defect	361		Selective Recalc	Local
07/23/2023	17	6	RTD	4	Software Defect	363		Selective Recalc	Local
07/23/2023	18	10-11	RTD	4	Software Defect	388		Selective Recalc	Local
07/23/2023	18	6,8-9	RTD	4	Software Defect	371		Selective Recalc	Local
07/23/2023	18	7	RTD	4	Software Defect	315		Selective Recalc	Local
07/23/2023	17	1,3	RTPD	4	Software Defect	305		Selective Recalc	Local
07/23/2023	18	4	RTPD	4	Software Defect	305		Selective Recalc	Local
07/23/2023	24	2	RTPD	4	Software Defect	783		Selective Recalc	Local

**Corrections made through interval replacement: 0**

**Corrections made through market rerun: 0**

### Description of Issues:

**1. Data Input Error:**

Invalid congestion on 34101\_CERTANJ2\_115\_34116\_LE GRAND\_115\_BR\_1\_1 due to a data input error impacting contingency enforcement.

Prices were corrected by selective recalculation.

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### 2. Data Input Error:

Invalid congestion on 34121\_SHARON  
T\_115\_34128\_OAKH\_JCT\_115\_BR\_1 \_1 due to a data input error  
impacting contingency enforcement.

Prices were corrected by selective recalculation.

### 3. Software Defect:

Invalid prices due to a data input error impacting the load forecast.

Prices were corrected by selective recalculation.

### 4. Software Defect:

Invalid shadow price due to a software defect impacting pricing formation.

Prices were corrected by selective recalculation.

### 5. Software Defect:

Invalid prices due to a software defect impacting balancing and capacity  
tests.

Prices were corrected by selective recalculation.

### 6. Software Defect:

Invalid prices due to a software defect impacting resource dispatch.

Prices were corrected by selective recalculation.

### 7. Software Defect:

Invalid pricing due to a software defect impacting resource dispatch and  
flex ramp sufficiency test.

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.

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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 consecutive market disruptions.

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: 2

Date	HE	Intervals	Market
07/21/2023	9	10	RTD
07/21/2023	11	3	RTPD

### Total number of filled price intervals for FRP: 2

Date	HE	Intervals	Market
07/21/2023	9	11	RTD
07/21/2023	11	4	RTPD

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

### Total number of filled intervals due to WEIM BAA market separation:0

## 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