

Price Correction Report

Week of April 9 – April 13, 2018

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, **2609** intervals were corrected.

The trade dates covered by this report are:

DAM: 4/4/2018 – 4/10/2018

RTM: 4/2/2018 – 4/8/2018

(Due to the addition of new EIM participants, the remaining RTM trade dates will be included on the next week's price correction report.)

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 for those intervals that have the Count of Corrected Pnode/Apnode column missing.

Corrections made through selective recalculation: 2600

Date	HE	Intervals	Market	#	Reason	Number of corrected Pnodes/Apnodes	Affected Area
02Apr2018	1	1	RTPD	9,1	Data Input Error, Software Defect	455	Local
02Apr2018	10	3-4	RTPD	12	Software Defect		Local
02Apr2018	21	2	RTPD	12	Software Defect		Local
02Apr2018	11-12	1-4	RTPD	12	Software Defect		Local
03Apr2018	12	7	RTD	3,1	Data Input Error, Software Defect	1426	Local
03Apr2018	12	8	RTD	3,1	Data Input Error, Software Defect	119	Local
03Apr2018	12	11	RTD	3,1	Data Input Error, Software Defect	134	Local
03Apr2018	12	12	RTD	3,1	Data Input Error, Software Defect	131	Local
03Apr2018	12	9-10	RTD	3,1	Data Input Error, Software Defect	133	Local
03Apr2018	13	3	RTD	3,1	Data Input Error, Software Defect	120	Local
03Apr2018	13	9	RTD	3,1	Data Input Error, Software Defect	119	Local
03Apr2018	13	10	RTD	3,1	Data Input Error, Software Defect	137	Local
03Apr2018	13	2,4-8	RTD	3,1	Data Input Error, Software Defect	119	Local
03Apr2018	15	1	RTD	3,1	Data Input Error, Software Defect	1419	Local
03Apr2018	15	2	RTD	3,1	Data Input Error, Software Defect	132	Local
03Apr2018	15	3	RTD	3,1	Data Input Error, Software Defect	302	Local
03Apr2018	15	12	RTD	3,1	Data Input Error, Software Defect	115	Local
03Apr2018	15	4-5	RTD	3,1	Data Input Error, Software Defect	110	Local
03Apr2018	15	6-11	RTD	3,1	Data Input Error, Software Defect	113	Local
03Apr2018	16	1	RTD	3,1	Data Input Error, Software Defect	120	Local
03Apr2018	16	4	RTD	3	Data Input Error	1369	Local
03Apr2018	16	5	RTD	3,1	Data Input Error, Software Defect	105	Local
03Apr2018	16	6	RTD	3,1	Data Input Error, Software Defect	1392	Local
03Apr2018	16	7	RTD	3,1	Data Input Error, Software Defect	1415	Local
03Apr2018	16	2-3	RTD	3,1	Data Input Error, Software Defect	108	Local
03Apr2018	16	8-9	RTD	3,1	Data Input Error, Software Defect	109	Local
03Apr2018	7	3-4	RTPD	4	Software Defect		Local
03Apr2018	12	4	RTPD	3,1	Data Input Error, Software Defect	126	Local
03Apr2018	13	3	RTPD	12,3,1	Data Input Error, Software Defect	121	Local
03Apr2018	13	4	RTPD	12,3,1	Data Input Error, Software Defect	124	Local
03Apr2018	13	1-2	RTPD	3,1	Data Input Error, Software Defect	120	Local
03Apr2018	14	1	RTPD	3,1	Data Input Error, Software Defect	119	Local
03Apr2018	14	3	RTPD	12	Software Defect		Local
03Apr2018	15	1	RTPD	12	Software Defect		Local
03Apr2018	15	2	RTPD	12,3,1	Data Input Error, Software Defect	119	Local
03Apr2018	15	3	RTPD	12,3,1	Data Input Error, Software Defect	114	Local
03Apr2018	15	4	RTPD	3,1	Data Input Error, Software Defect	115	Local
03Apr2018	16	3-4	RTPD	3,1	Data Input Error, Software Defect	114	Local
04Apr2018	3	3	RTD	6,1,2	Data Input Error, Software Defect	493	Local
04Apr2018	3	4-5	RTD	6,1,2	Data Input Error, Software Defect	534	Local

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04Apr2018	8	1	RTD	7,1,2	Software Defect	175	Local
04Apr2018	8	7	RTD	7,1,2	Software Defect	171	Local
04Apr2018	9	4	RTD	7,1,2	Software Defect	154	Local
04Apr2018	9	7	RTD	7,1,2	Software Defect	142	Local
04Apr2018	9	8	RTD	7,1,2	Software Defect	162	Local
04Apr2018	9	11	RTD	7,1,2	Software Defect	137	Local
04Apr2018	9	5-6	RTD	7,1,2	Software Defect	151	Local
04Apr2018	9	9,12	RTD	7,1,2	Software Defect	138	Local
04Apr2018	10	3	RTD	7,1,2	Software Defect	150	Local
04Apr2018	10	12	RTD	7,1,2	Software Defect	135	Local
04Apr2018	10	7-8	RTD	7,1,2	Software Defect	155	Local
04Apr2018	10	9,11	RTD	7,1,2	Software Defect	149	Local
04Apr2018	11	3	RTD	7,1,2	Software Defect	138	Local
04Apr2018	11	5	RTD	7,1	Software Defect	91	Local
04Apr2018	11	6	RTD	7,1,2	Software Defect	116	Local
04Apr2018	11	11	RTD	7,1,2	Software Defect	148	Local
04Apr2018	11	2,4	RTD	7,1,2	Software Defect	142	Local
04Apr2018	17	12	RTD	7,1,2	Software Defect	9955	Local
04Apr2018	9-10	10	RTD	7,1,2	Software Defect	136	Local
04Apr2018	3	4	RTPD	6,1,2	Data Input Error, Software Defect	486	Local
04Apr2018	9	1,4	RTPD	4	Software Defect		Local
05Apr2018	9	1	RTD	5	Software Defect		Local
06Apr2018	14	5-6	RTD	11	Software Defect	428	Local
06Apr2018	1	1	RTPD	9	Data Input Error	404	Local
06Apr2018	14	1	RTPD	11	Software Defect	428	Local
06Apr2018	18	1-2	RTPD	11	Software Defect	428	Local
07Apr2018	3	5-7,9-12	RTD	6	Data Input Error	428	Local
07Apr2018	4	1-12	RTD	6	Data Input Error	428	Local
07Apr2018	5	1-2,4,6,8,10,12	RTD	6	Data Input Error	428	Local
07Apr2018	6	11	RTD	6,1,2	Data Input Error, Software Defect	492	Local
07Apr2018	6	2,4,6,8,10,12	RTD	6	Data Input Error	428	Local
07Apr2018	6	7,9	RTD	6,1,2	Data Input Error, Software Defect	490	Local
07Apr2018	7	1	RTD	6,1,2	Data Input Error, Software Defect	484	Local
07Apr2018	7	2	RTD	6	Data Input Error	428	Local
07Apr2018	7	3	RTD	6,1,2	Data Input Error, Software Defect	517	Local
07Apr2018	7	6	RTD	6,1,2	Data Input Error, Software Defect	489	Local
07Apr2018	7	4-5	RTD	6,1,2	Data Input Error, Software Defect	520	Local
07Apr2018	7	7-9	RTD	6,1,2	Data Input Error, Software Defect	485	Local
07Apr2018	7	10-12	RTD	6,1,2	Data Input Error, Software Defect	487	Local
07Apr2018	8	1	RTD	6,1,2	Data Input Error, Software Defect	540	Local
07Apr2018	8	5	RTD	6,1,2	Data Input Error, Software Defect	492	Local
07Apr2018	8	7	RTD	6,1,2	Data Input Error, Software Defect	529	Local
07Apr2018	8	8	RTD	6,1,2	Data Input Error, Software Defect	499	Local
07Apr2018	8	9	RTD	6,1,2	Data Input Error, Software Defect	524	Local
07Apr2018	8	10	RTD	6,1,2	Data Input Error, Software Defect	527	Local
07Apr2018	8	2-3	RTD	6,1,2	Data Input Error, Software Defect	489	Local
07Apr2018	8	11-12	RTD	6,1,2	Data Input Error, Software Defect	501	Local
07Apr2018	8	4,6	RTD	6,1,2	Data Input Error, Software Defect	488	Local
07Apr2018	9	1	RTD	6,1,2	Data Input Error, Software Defect	531	Local
07Apr2018	9	3	RTD	6,1,2	Data Input Error, Software Defect	542	Local
07Apr2018	9	9	RTD	6,1,2	Data Input Error, Software Defect	526	Local
07Apr2018	9	2,4-6	RTD	6,1,2	Data Input Error, Software Defect	495	Local
07Apr2018	9	7-8,10-12	RTD	6,1,2	Data Input Error, Software Defect	492	Local
07Apr2018	10	8	RTD	6,1,2	Data Input Error, Software Defect	576	Local
07Apr2018	10	1-2	RTD	6,1,2	Data Input Error, Software Defect	493	Local
07Apr2018	10	9-12	RTD	6,1,2	Data Input Error, Software Defect	574	Local
07Apr2018	13	7	RTD	7,1,2	Software Defect	177	Local
07Apr2018	15	7	RTD	7,1,2	Software Defect	185	Local
07Apr2018	15	10	RTD	7,1,2	Software Defect	197	Local

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07Apr2018	17	12	RTD	7,1,2	Software Defect	99	Local
07Apr2018	4	2,4	RTPD	6	Data Input Error	428	Local
07Apr2018	6	1-4	RTPD	6	Data Input Error	428	Local
07Apr2018	7	1	RTPD	6,1,2	Data Input Error, Software Defect	483	Local
07Apr2018	7	2	RTPD	6,1,2	Data Input Error, Software Defect	489	Local
07Apr2018	7	3	RTPD	6,1,2	Data Input Error, Software Defect	484	Local
07Apr2018	7	4	RTPD	6,1,2	Data Input Error, Software Defect	487	Local
07Apr2018	8	1	RTPD	6,1,2	Data Input Error, Software Defect	492	Local
07Apr2018	8	2	RTPD	6,1,2	Data Input Error, Software Defect	498	Local
07Apr2018	8	3-4	RTPD	6,1,2	Data Input Error, Software Defect	501	Local
07Apr2018	9	4	RTPD	6,1,2	Data Input Error, Software Defect	492	Local
07Apr2018	9	1-3	RTPD	6,1,2	Data Input Error, Software Defect	496	Local
07Apr2018	10	1	RTPD	6,1,2	Data Input Error, Software Defect	496	Local
07Apr2018	10	2-3	RTPD	6,1,2	Data Input Error, Software Defect	493	Local
07Apr2018	3-4	1	RTPD	6	Data Input Error		Local
07Apr2018	3,5	2-4	RTPD	6	Data Input Error	428	Local

The range of corrected Pnode/APnode for the below trade days regarding correction numbers 1 and 2 are 10-63

Date	HE	Intervals	Market	#	Reason	Affected Area
02Apr2018	8	1-10,12	RTD	1	Software Defect	Local
02Apr2018	9	1-8,10-12	RTD	1	Software Defect	Local
02Apr2018	10	1-6,11-12	RTD	1	Software Defect	Local
02Apr2018	11	2-12	RTD	1	Software Defect	Local
02Apr2018	17	1-3,7-9	RTD	1	Software Defect	Local
02Apr2018	1-7,12-16,18-24	1-12	RTD	1	Software Defect	Local
02Apr2018	1	2-4	RTPD	1	Software Defect	Local
02Apr2018	2-24	1-4	RTPD	1	Software Defect	Local
03Apr2018	5	1-6,10-12	RTD	1	Software Defect	Local
03Apr2018	10	2-12	RTD	1	Software Defect	Local
03Apr2018	12	1-6	RTD	1	Software Defect	Local
03Apr2018	13	1,11-12	RTD	1	Software Defect	Local
03Apr2018	21	1-6,8-9,11-12	RTD	1	Software Defect	Local
03Apr2018	1-2,4,6-9,11,14,17-20,22-24	1-12	RTD	1	Software Defect	Local
03Apr2018	3,16	10-12	RTD	1	Software Defect	Local
03Apr2018	12	1-3	RTPD	1	Software Defect	Local
03Apr2018	14	2-4	RTPD	1	Software Defect	Local
03Apr2018	15	1	RTPD	1	Software Defect	Local
03Apr2018	16	1-2	RTPD	1	Software Defect	Local
03Apr2018	1-2,4-11,17-24	1-4	RTPD	1	Software Defect	Local
04Apr2018	1	5-12	RTD	1,2	Software Defect	Local
04Apr2018	3	1-2,6-12	RTD	1,2	Software Defect	Local
04Apr2018	8	2-6,8-12	RTD	1,2	Software Defect	Local
04Apr2018	9	1-3	RTD	1,2	Software Defect	Local
04Apr2018	10	1-2,4-6	RTD	1,2	Software Defect	Local
04Apr2018	11	1,7-10,12	RTD	1,2	Software Defect	Local
04Apr2018	14	1-3,5-12	RTD	1,2	Software Defect	Local
04Apr2018	15	1-10	RTD	1	Software Defect	Local
04Apr2018	15	12	RTD	1,2	Software Defect	Local
04Apr2018	16	1-3,7-12	RTD	1,2	Software Defect	Local
04Apr2018	16	4-6	RTD	1	Software Defect	Local
04Apr2018	17	1-11	RTD	1,2	Software Defect	Local
04Apr2018	20	1-6,9-12	RTD	1,2	Software Defect	Local
04Apr2018	20	7-8	RTD	1	Software Defect	Local
04Apr2018	2,4-7,12-13,18-19,21-24	1-12	RTD	1,2	Software Defect	Local
04Apr2018	1	2-4	RTPD	1,2	Software Defect	Local
04Apr2018	3	1-3	RTPD	1,2	Software Defect	Local
04Apr2018	20	1-3	RTPD	1,2	Software Defect	Local
04Apr2018	20	4	RTPD	1	Software Defect	Local

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04Apr2018	2,4-19,21-24	1-4	RTPD	1,2	Software Defect	Local
05Apr2018	6	10-12	RTD	1	Software Defect	Local
05Apr2018	6	1-8	RTD	2,1	Software Defect	Local
05Apr2018	7	1-3,7-12	RTD	2,1	Software Defect	Local
05Apr2018	7	4-6	RTD	1	Software Defect	Local
05Apr2018	19	1-6,10-12	RTD	2,1	Software Defect	Local
05Apr2018	19	7-9	RTD	1	Software Defect	Local
05Apr2018	21	10-12	RTD	2,1	Software Defect	Local
05Apr2018	21	1-9	RTD	1	Software Defect	Local
05Apr2018	24	1-6	RTD	2,1	Software Defect	Local
05Apr2018	1-5,8-18,20,22-23	1-12	RTD	2,1	Software Defect	Local
05Apr2018	6	1-3	RTPD	2,1	Software Defect	Local
05Apr2018	6	4	RTPD	1	Software Defect	Local
05Apr2018	7	1,4	RTPD	2,1	Software Defect	Local
05Apr2018	7	2,3	RTPD	1	Software Defect	Local
05Apr2018	19	1-3	RTPD	2,1	Software Defect	Local
05Apr2018	19	4	RTPD	1	Software Defect	Local
05Apr2018	21	1,4	RTPD	2,1	Software Defect	Local
05Apr2018	21	2,3	RTPD	1	Software Defect	Local
05Apr2018	24	1-3	RTPD	2,1	Software Defect	Local
05Apr2018	1-5,8-18,20,22-23	1-4	RTPD	2,1	Software Defect	Local
06Apr2018	23	1-3,10-12	RTD	1,2	Software Defect	Local
06Apr2018	24	2-12	RTD	1,2	Software Defect	Local
06Apr2018	1-5,7-20	1-12	RTD	1,2	Software Defect	Local
06Apr2018	6,21-22	1-6,10-12	RTD	1,2	Software Defect	Local
06Apr2018	6	1-2	RTPD	1,2	Software Defect	Local
06Apr2018	7	1-2,4	RTPD	1,2	Software Defect	Local
06Apr2018	7	3	RTPD	1	Software Defect	Local
06Apr2018	21	1-3	RTPD	1,2	Software Defect	Local
06Apr2018	21	4	RTPD	1	Software Defect	Local
06Apr2018	22	1-3	RTPD	1,2	Software Defect	Local
06Apr2018	23	1-2	RTPD	1,2	Software Defect	Local
06Apr2018	1-5,8-20,24	1-4	RTPD	1,2	Software Defect	Local
07Apr2018	1	1-7,9-12	RTD	2,1	Software Defect	Local
07Apr2018	6	1-6,8,10,12	RTD	2,1	Software Defect	Local
07Apr2018	7	2	RTD	2,1	Software Defect	Local
07Apr2018	10	3-7	RTD	2,1	Software Defect	Local
07Apr2018	11	1-11	RTD	2,1	Software Defect	Local
07Apr2018	11	12	RTD	2	Software Defect	Local
07Apr2018	12	1-11	RTD	2,1	Software Defect	Local
07Apr2018	12	12	RTD	2	Software Defect	Local
07Apr2018	13	2-3	RTD	2	Software Defect	Local
07Apr2018	13	4,6,8-12	RTD	2,1	Software Defect	Local
07Apr2018	14	1,3-4,7-12	RTD	2,1	Software Defect	Local
07Apr2018	14	5	RTD	1	Software Defect	Local
07Apr2018	15	12	RTD	1	Software Defect	Local
07Apr2018	15	1-6,8-9,11	RTD	2,1	Software Defect	Local
07Apr2018	16	1-6	RTD	2,1	Software Defect	Local
07Apr2018	16	7-12	RTD	1	Software Defect	Local
07Apr2018	17	1-2,5-6	RTD	1	Software Defect	Local
07Apr2018	17	3,8-9	RTD	2	Software Defect	Local
07Apr2018	18	1,4-12	RTD	2,1	Software Defect	Local
07Apr2018	2-5,19-24	1-12	RTD	2,1	Software Defect	Local
07Apr2018	10	4	RTPD	1,2	Software Defect	Local
07Apr2018	1-6,11-24	1-4	RTPD	1,2	Software Defect	Local
08Apr2018	8	1-7,11	RTD	1,2	Software Defect	Local
08Apr2018	8	8-9,12	RTD	2	Software Defect	Local
08Apr2018	9	2-12	RTD	1,2	Software Defect	Local
08Apr2018	13	1-2,8-12	RTD	1	Software Defect	Local

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08Apr2018	13	3-7	RTD	1,2	Software Defect	Local
08Apr2018	14	1-12	RTD	1	Software Defect	Local
08Apr2018	15	1-3,6-8,10-11	RTD	1	Software Defect	Local
08Apr2018	15	4-5,9,12	RTD	1,2	Software Defect	Local
08Apr2018	17	1-6,9-12	RTD	1,2	Software Defect	Local
08Apr2018	17	7-8	RTD	1	Software Defect	Local
08Apr2018	18	1-3	RTD	1	Software Defect	Local
08Apr2018	18	6	RTD	2	Software Defect	Local
08Apr2018	18	7-12	RTD	1,2	Software Defect	Local
08Apr2018	19	1-3,7-12	RTD	1,2	Software Defect	Local
08Apr2018	1-7,10-12,16,20-24	1-12	RTD	1,2	Software Defect	Local
08Apr2018	9	1-2,4	RTPD	1,2	Software Defect	Local
08Apr2018	9	3	RTPD	1	Software Defect	Local
08Apr2018	15	1-4	RTPD	1	Software Defect	Local
08Apr2018	16	1-3	RTPD	1	Software Defect	Local
08Apr2018	16	4	RTPD	1,2	Software Defect	Local
08Apr2018	17	1,3	RTPD	1	Software Defect	Local
08Apr2018	17	2,4	RTPD	1,2	Software Defect	Local
08Apr2018	18	2-4	RTPD	1,2	Software Defect	Local
08Apr2018	19	1,3-4	RTPD	1,2	Software Defect	Local
08Apr2018	1-8,10-14,20-24	1-4	RTPD	1,2	Software Defect	Local

Corrections made through interval replacement: 9

Date	HE	Intervals	Market	#	Reason	Affected Area
3-Apr-18	21	7,10	RTD	8,1	Data Input Error, Software Defect	System
4-Apr-18	1	1-4	RTD	10,1,2	Data Input Error, Software Defect	System
4-Apr-18	1	1	RTPD	10,1,2	Data Input Error, Software Defect	System
6-Apr-18	24	1	RTD	6,1,2	Data Input Error, Software Defect	System
7-Apr-18	1	8	RTD	6,1,2	Data Input Error, Software Defect	System

Corrections made through market rerun: 0

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Description of Issues:

1. Software Defect:

- Invalid prices due to a software defect impacting pricing node LMPs.

Prices were corrected by selective recalculation.

2. Software Defect:

- Invalid loss components of trading hubs LMPs due to a software defect affecting loss calculations.

Prices were corrected by selective recalculation.

3. Data Input Error:

- Invalid congestion on the constraints due to data input error, the constraints should not be enforced in the market for these intervals.

Prices were corrected by selective recalculation.

4. Software Defect:

- Invalid flex ramp prices due to a software defect impacting pricing.

Prices were corrected by selective recalculation.

5. Software Defect:

- Invalid flex up price due to a software defect impacting flex ramp pricing.

Prices were corrected by selective recalculation.

6. Data Input Error:

- Invalid prices due to a data input error impacting load forecasting.

Prices were corrected by selective recalculation and interval replacement.

7. Software Defect:

- Invalid price for an EIM area due to a software defect impacting price formation.

Prices were corrected by selective recalculation.

8. Data Input Error:

- Invalid market run due to a data input error impacting resource dispatch.

Prices were corrected by interval replacement.

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9. Data Input Error:

- Invalid prices due to a data input error impacting resource schedule.

Prices were corrected by selective recalculation.

10. Data Input Error:

- Invalid prices due to a data input error impacting pricing.

Prices were corrected by interval replacement.

11. Software Defect:

- Invalid prices due to a software defect impacting EIM functionality.

Prices were corrected by selective recalculation.

12. Software Defect:

- Invalid regulation price due to a software defect impacting regulation awards.

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 consecutive market disruptions.

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

Total number of filled price intervals: 28

Date	HE	Interval	Market
3-Apr-18	15	7-11	RTD
3-Apr-18	16	1-2	RTPD
3-Apr-18	18	4-5	RTD
4-Apr-18	1	1-4	RTD
4-Apr-18	6	11	RTD
4-Apr-18	7	5-11	RTD
4-Apr-18	8	4-5	RTD
5-Apr-18	1	1-4	RTD
7-Apr-18	4	4	RTD

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