

December 15, 2017

The Honorable Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 Frist Street, NE
Washington, DC 20426

**Re: California Independent System Operator Corporation
Docket Nos. ER08-1178-_____ and EL08-88-_____
October 2017 Exceptional Dispatch Report (Chart 1 data)**

Dear Secretary Bose:

Pursuant to the Federal Energy Regulatory Commission's (Commission) September 2, 2009 (September 2 order), and May 4, 2010 (May 4 order) orders in the above-referenced dockets, the California Independent System Operator Corporation (CAISO) submits the attached report for filing. The attached report provides details concerning Exceptional Dispatches the Commission directed to be included in "Chart 1" as set forth in Appendix A of the September 2 order, as modified by the CAISO's September 14, 2009 motion for clarification, which the Commission granted in its May 4 order. The attached report provides Chart 1 data for the month of October 2017.

Respectfully submitted,

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Exceptional Dispatch Report

Table 1: October 2017

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Introduction

This report is filed pursuant to FERC's September 2, 2009 and July 4, 2010 orders in ER08-1178. These orders require two monthly Exceptional Dispatch reports—one issued on the 15th of each month and one issued on the 30th of each month. This report provides data on the frequency and reasons for Exceptional Dispatches issued in October 2017.

The Nature of Exceptional Dispatch

The CAISO can issue exceptional dispatch instructions for a resource as a pre-day-ahead unit commitment, which may also include an indicative exceptional dispatch energy schedule, a post-day-ahead unit commitment, or a real-time exceptional dispatch.¹ A pre-day-ahead commitment is an exceptional dispatch instruction that commits a resource at or above its physical minimum operating level in the day-ahead market. A post-day-ahead market commitment is an exceptional dispatch instruction that commits a resource at or above its physical minimum operating level in the real-time market. A real-time exceptional dispatch instruction is a dispatch of a resource at or above its physical minimum operating point. A real-time exceptional dispatch above the resource day-ahead award is an incremental exceptional dispatch instruction and an exceptional dispatch below the day-ahead award is a decremental dispatch instruction.

The CAISO issues exceptional dispatch instructions to maintain the reliability of the grid when the market software cannot do so. Whenever the CAISO issues an exceptional dispatch instruction, the operator logs the dispatch and the associated reason.

Many of the exceptional dispatches listed below in Table 1, were to satisfy either a local area or system reliability requirements, and are classified into local generation requirements, transmission management requirements, non-modeled transmission outages or other non-modeled constraints or requirements and intertie emergency assistance. All of the transmission procedures are available on the CAISO website.²

The following reason for exceptional dispatch instructions in October 2017 was not related to generation or transmission operating procedures: Software Limitation, when an exceptional dispatch instruction was used to bridge schedules across days for resources with a minimum down time of 24 hours, as the CAISO software does not handle multi day commitment. For instance, a resource has a day-ahead schedule from 0600 till 2300, and then is shut down in 2400. If this resource had a minimum down time of 24 hours and it is required the

¹ The CAISO can issue exceptional dispatch instructions subject to authority of the CAISO Tariff Section 34.11 and in accordance with CAISO Operating Procedure 2330 (formerly M-402).

² A list of all of the CAISO's publicly available Operating Procedures are available at the following link: <http://www.caiso.com/thegrid/operations/opsdoc/index.html>

following day, then the CAISO issues an exceptional dispatch to commit this resource in 2400 so it can be dispatched economically in the following day. Software limitation was also used as the reason for exceptional dispatches to manually issue shut down instructions to a resource because of a temporary Automatic Dispatch System (“ADS”) failure, or similar issues. There were a few other reasons used to explain exceptional dispatch instructions in October 2017, which are self explanatory.

The data in Table 1 is based on a template specified in the September 2009 order.³ Each entry in Attachment A is a summary of exceptional dispatches classified by (1) the reason for the exceptional dispatch; (2) the location of the resource by Participating Transmission Owner (“PTO”) service area; (3) the Local Reliability Area (“LRA”) where applicable; (4) the market in which the exceptional dispatch occurred (day-ahead vs. real-time); and (5) the date of the exceptional dispatch. For each classification the following information is provided: (1) Megawatts (MW); (2) Commitment (3) Inc or Dec (4) Hours; (5) Begin Time; and (6) End Time.

The MW column shows the range of exceptional dispatch instructions in MW for the classification. The Commitment column specifies if there was a unit commitment for the classification. The INC/DEC column specifies if there was an incremental dispatch or a decremental dispatch from the IFM schedule. The Begin Time column shows the start of exceptional dispatch for the classification and the End Time column shows the end of exceptional dispatch for the classification. The column Hours is the difference between end time and begin time rounded up to the next hour. The data shown is further explained by way of example in Attachment A.

Table 1 indicates there were 335 exceptional dispatches in October 2017, as compared to 357 exceptional dispatches in September 2017. Exceptional dispatches issued for the following reasons accounted for approximately 45 percent of the total exceptional dispatches during the reporting period: planned transmission outages, software limitations, and operating procedure number 7110 (along with 6610, 7230, and 7720). Many of the exceptional dispatches with the reason “Other Reliability Requirement” were due to Real Time Contingency Analysis.

³ The data in Table 1 is principally SLIC information supplemented with data from the Market Quality System (MQS). It is the most accurate currently available and it is worth noting that this data has been through the T+38B initial statement process wherein many unresolved issues are fixed. The CAISO believes that this data will correlate well with the settlements data that will be available when the CAISO files the Table 2 report for the reporting period.

Table 1: Exceptional Dispatches in October 2017

**California Independent System Operator Corporation
Exceptional Dispatch Report
December 15, 2017**

Chart 1: Table of Exceptional Dispatches for Period 01/October/2017 - 31/October/2017

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
1	RT	Bridging Schedules	PG&E	Fresno	10/18/2017	22	No	INC	7	10:30	16:59
2	RT	Bridging Schedules	PG&E	N/A	10/18/2017	47	No	DEC	6	10:45	15:59
3	RT	Bridging Schedules	SCE	Big Creek-Ventura	10/24/2017	100	No	INC	2	22:00	23:59
4	RT	Conditions beyond the control of the CAISO	PG&E	N/A	10/27/2017	47	No	DEC	3	8:10	10:29
5	RT	Conditions beyond the control of the CAISO	PG&E	N/A	10/27/2017	47	No	INC	3	8:10	10:29
6	RT	Contingency Dispatch	SCE	LA Basin	10/24/2017	96- 280	No	INC	3	18:04	20:59
7	RT	Contingency Dispatch	SDG&E	San Diego-IV	10/23/2017	104	No	INC	1	10:08	10:19
8	RT	Contingency Dispatch	SCE	LA Basin	10/24/2017	46	No	INC	1	19:30	19:59
9	RT	Fast Start Unit Management	SCE	LA Basin	10/23/2017	0	No	INC	2	21:05	23:04
10	RT	Fast Start Unit Management	SCE	LA Basin	10/24/2017	0	No	DEC	1	23:30	23:59
11	RT	Fast Start Unit Management	SCE	LA Basin	10/24/2017	0	No	INC	2	22:00	23:59
12	RT	Fast Start Unit Management	SCE	LA Basin	10/25/2017	0	No	DEC	1	0:00	0:09
13	RT	Fast Start Unit Management	SCE	LA Basin	10/25/2017	0	No	INC	21	0:00	20:29
14	RT	Fast Start Unit Management	SDG&E	San Diego-IV	10/23/2017	0	No	INC	1	21:45	22:14
15	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/1/2017	5- 31	No	DEC	24	0:00	23:59
16	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/1/2017	9- 40	No	INC	24	0:00	23:59
17	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/2/2017	10- 36	No	DEC	18	6:40	23:59
18	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/2/2017	4- 40	No	INC	18	6:25	23:59
19	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/3/2017	5- 36	No	DEC	24	0:00	23:59
20	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/3/2017	4- 40	No	INC	24	0:00	23:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
21	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/4/2017	5- 36	No	DEC	24	0:00	23:59
22	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/4/2017	4- 40	No	INC	24	0:00	23:59
23	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/5/2017	5- 36	No	DEC	24	0:00	23:59
24	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/5/2017	4- 40	No	INC	24	0:00	23:59
25	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/6/2017	13- 31	No	DEC	24	0:00	23:59
26	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/6/2017	9- 40	No	INC	24	0:00	23:59
27	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/7/2017	5- 31	No	DEC	24	0:00	23:59
28	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/7/2017	9- 40	No	INC	24	0:00	23:59
29	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/8/2017	5- 24	No	DEC	24	0:00	23:59
30	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/8/2017	16- 40	No	INC	24	0:00	23:59
31	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/9/2017	10	No	DEC	24	0:00	23:59
32	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/9/2017	30- 40	No	INC	24	0:00	23:59
33	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/10/2017	5- 24	No	DEC	24	0:00	23:59
34	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/10/2017	16- 40	No	INC	24	0:00	23:59
35	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/11/2017	5	No	DEC	24	0:00	23:59
36	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/11/2017	35- 40	No	INC	24	0:00	23:59
37	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/12/2017	13- 24	No	DEC	24	0:00	23:59
38	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/12/2017	16- 40	No	INC	24	0:00	23:59
39	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/13/2017	5- 18	No	DEC	24	0:00	23:59
40	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/13/2017	22- 40	No	INC	24	0:00	23:59
41	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/14/2017	5- 36	No	DEC	24	0:00	23:59
42	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/14/2017	4- 40	No	INC	24	0:00	23:59
43	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/15/2017	5- 26	No	DEC	24	0:00	23:59
44	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/15/2017	14- 40	No	INC	24	0:00	23:59
45	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/16/2017	40	No	INC	24	0:00	23:59
46	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/17/2017	40	No	INC	24	0:00	23:59
47	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/18/2017	40	No	INC	24	0:00	23:59
48	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/19/2017	40	No	INC	24	0:00	23:59
49	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/20/2017	4	No	DEC	24	0:00	23:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
50	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/20/2017	36- 40	No	INC	24	0:00	23:59
51	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/21/2017	4	No	DEC	24	0:00	23:59
52	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/21/2017	36- 40	No	INC	24	0:00	23:59
53	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/22/2017	5	No	DEC	24	0:00	23:59
54	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/22/2017	35- 40	No	INC	24	0:00	23:59
55	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/23/2017	5- 22	No	DEC	24	0:00	23:59
56	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/23/2017	18- 40	No	INC	24	0:00	23:59
57	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/24/2017	9- 22	No	DEC	24	0:00	23:59
58	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/24/2017	18- 40	No	INC	24	0:00	23:59
59	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/25/2017	5- 22	No	DEC	24	0:00	23:59
60	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/25/2017	18- 40	No	INC	24	0:00	23:59
61	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/26/2017	5- 22	No	DEC	24	0:00	23:59
62	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/26/2017	18- 40	No	INC	24	0:00	23:59
63	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/27/2017	4- 17	No	DEC	24	0:00	23:59
64	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/27/2017	23- 40	No	INC	24	0:00	23:59
65	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/28/2017	5- 9	No	DEC	24	0:00	23:59
66	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/28/2017	31- 40	No	INC	24	0:00	23:59
67	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/29/2017	9- 14	No	DEC	24	0:00	23:59
68	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/29/2017	26- 40	No	INC	24	0:00	23:59
69	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/30/2017	40	No	INC	24	0:00	23:59
70	RT	Incomplete or Inaccurate Transmission	PG&E	Fresno	10/31/2017	40	No	INC	24	0:00	23:59
71	RT	Incomplete or Inaccurate Transmission	PG&E	NCNB	10/4/2017	143	No	DEC	1	7:10	7:44
72	RT	Incomplete or Inaccurate Transmission	PG&E	NCNB	10/11/2017	188- 220	No	DEC	14	10:58	23:59
73	RT	Incomplete or Inaccurate Transmission	PG&E	NCNB	10/11/2017	166	No	INC	14	10:58	23:59
74	RT	Incomplete or Inaccurate Transmission	SCE	LA Basin	10/23/2017	130	No	DEC	2	10:20	11:59
75	RT	Incomplete or Inaccurate Transmission	SCE	LA Basin	10/23/2017	130	No	INC	2	10:20	11:59
76	RT	Incomplete or Inaccurate Transmission	SDG&E	San Diego-IV	10/23/2017	48	No	INC	1	10:20	10:59
77	RT	Load Forecast Uncertainty	Intertie	N/A	10/23/2017	44- 385	No	INC	2	17:00	18:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
78	RT	Load Forecast Uncertainty	Intertie	N/A	10/24/2017	126-341	No	INC	6	15:00	20:59
79	RT	Load Forecast Uncertainty	Intertie	N/A	10/25/2017	91- 216	No	INC	3	16:00	18:59
80	RT	Load Forecast Uncertainty	PG&E	Bay Area	10/23/2017	120	No	INC	1	10:35	11:01
81	RT	Load Forecast Uncertainty	PG&E	Bay Area	10/24/2017	20- 232	No	DEC	8	14:18	21:59
82	RT	Load Forecast Uncertainty	PG&E	Bay Area	10/25/2017	138-188	No	DEC	9	12:00	20:59
83	RT	Load Forecast Uncertainty	PG&E	Bay Area	10/25/2017	98	No	INC	2	12:00	13:59
84	RT	Load Forecast Uncertainty	PG&E	N/A	10/23/2017	47	No	DEC	4	16:20	19:59
85	RT	Load Forecast Uncertainty	PG&E	N/A	10/24/2017	380	No	DEC	8	14:29	21:59
86	RT	Load Forecast Uncertainty	PG&E	N/A	10/25/2017	182	No	DEC	5	15:05	19:59
87	RT	Load Forecast Uncertainty	PG&E	N/A	10/26/2017	47	No	DEC	14	6:15	19:59
88	RT	Load Forecast Uncertainty	PG&E	N/A	10/26/2017	47	No	INC	14	6:15	19:59
89	RT	Load Forecast Uncertainty	SCE	Big Creek-Ventura	10/24/2017	11	No	INC	2	17:31	19:29
90	RT	Load Forecast Uncertainty	SCE	Big Creek-Ventura	10/25/2017	100	No	INC	24	0:00	23:59
91	RT	Load Forecast Uncertainty	SCE	LA Basin	10/16/2017	20	No	INC	16	8:00	23:59
92	RT	Load Forecast Uncertainty	SCE	LA Basin	10/17/2017	20- 70	Yes	INC	22	0:00	21:59
93	RT	Load Forecast Uncertainty	SCE	LA Basin	10/18/2017	20- 45	Yes	INC	17	7:00	23:59
94	RT	Load Forecast Uncertainty	SCE	LA Basin	10/20/2017	10	No	INC	11	13:00	23:59
95	RT	Load Forecast Uncertainty	SCE	LA Basin	10/21/2017	20	Yes	INC	24	0:00	23:59
96	RT	Load Forecast Uncertainty	SCE	LA Basin	10/22/2017	20	Yes	INC	24	0:00	23:59
97	RT	Load Forecast Uncertainty	SCE	LA Basin	10/23/2017	49	No	DEC	6	14:15	19:59
98	RT	Load Forecast Uncertainty	SCE	LA Basin	10/23/2017	10- 336	No	INC	14	10:35	23:59
99	RT	Load Forecast Uncertainty	SCE	LA Basin	10/24/2017	10- 70	No	INC	24	0:00	23:59
100	RT	Load Forecast Uncertainty	SCE	LA Basin	10/25/2017	71	No	DEC	1	13:15	13:44
101	RT	Load Forecast Uncertainty	SCE	LA Basin	10/25/2017	71	No	INC	1	13:30	13:44
102	RT	Load Forecast Uncertainty	SCE	LA Basin	10/26/2017	240-265	Yes	INC	24	0:00	23:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
103	RT	Load Forecast Uncertainty	SDG&E	San Diego-IV	10/23/2017	40	No	DEC	2	14:40	15:44
104	RT	Load Forecast Uncertainty	SDG&E	San Diego-IV	10/25/2017	76	No	DEC	5	15:35	19:59
105	RT	Load Forecast Uncertainty	SDG&E	San Diego-IV	10/25/2017	76	No	INC	5	15:35	19:59
106	RT	Load Pull	PG&E	Bay Area	10/2/2017	300	No	DEC	5	16:20	20:59
107	RT	Load Pull	PG&E	Bay Area	10/2/2017	300	No	INC	5	16:20	20:59
108	RT	Load Pull	SCE	Big Creek-Ventura	10/23/2017	200	No	INC	3	17:40	19:59
109	RT	Load Pull	SCE	Big Creek-Ventura	10/24/2017	400	No	DEC	3	14:05	16:59
110	RT	Load Pull	SCE	Big Creek-Ventura	10/24/2017	400-700	No	INC	6	14:05	19:59
111	RT	Load Pull	SCE	Big Creek-Ventura	10/25/2017	400-700	No	INC	8	13:50	20:59
112	RT	Load Pull	SCE	LA Basin	10/23/2017	624-806	No	DEC	5	15:20	19:59
113	RT	Load Pull	SCE	LA Basin	10/23/2017	40- 222	No	INC	5	15:20	19:59
114	RT	Load Pull	SCE	LA Basin	10/24/2017	336-526	No	DEC	11	11:15	21:59
115	RT	Load Pull	SCE	LA Basin	10/24/2017	142-526	No	INC	11	11:15	21:59
116	RT	Load Pull	SCE	LA Basin	10/25/2017	71- 526	No	DEC	8	13:15	20:59
117	RT	Load Pull	SCE	LA Basin	10/25/2017	194-455	No	INC	8	13:15	20:59
118	RT	Load Pull	SCE	LA Basin	10/31/2017	194	No	DEC	5	16:30	20:59
119	RT	Load Pull	SCE	LA Basin	10/31/2017	194	No	INC	5	16:30	20:59
120	RT	Load Pull	SCE	N/A	10/24/2017	460	No	DEC	3	17:55	20:19
121	RT	Load Pull	SDG&E	San Diego-IV	10/23/2017	23- 48	No	INC	4	16:25	19:59
122	RT	Load Pull	SDG&E	San Diego-IV	10/25/2017	68- 131	No	DEC	8	13:15	20:59
123	RT	Load Pull	SDG&E	San Diego-IV	10/25/2017	68	No	INC	8	13:15	20:59
124	RT	Load Pull	SCE	N/A	10/24/2017	460	No	DEC	2	19:15	20:44

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
125	RT	Operating Procedure Number and Constraint (6610)	SCE	Big Creek-Ventura	10/24/2017	425	No	INC	1	20:00	20:14
126	RT	Operating Procedure Number and Constraint (6610)	SCE	Big Creek-Ventura	10/24/2017	425	No	DEC	1	19:40	20:09
127	RT	Operating Procedure Number and Constraint (6610)	SCE	Big Creek-Ventura	10/24/2017	425	No	INC	1	19:40	20:09
128	RT	Operating Procedure Number and Constraint (6610)	SCE	LA Basin	10/24/2017	360	No	INC	2	19:20	20:44
129	RT	Operating Procedure Number and Constraint (7110)	PG&E	Humboldt	10/24/2017	46	No	DEC	13	9:05	21:44
130	RT	Operating Procedure Number and Constraint (7110)	PG&E	Humboldt	10/24/2017	46	No	INC	13	9:05	21:44
131	RT	Operating Procedure Number and Constraint (7110)	PG&E	Humboldt	10/27/2017	60	No	INC	1	23:00	23:59
132	RT	Operating Procedure Number and Constraint (7110)	PG&E	Humboldt	10/28/2017	15	No	DEC	22	1:00	22:59
133	RT	Operating Procedure Number and Constraint (7110)	PG&E	Humboldt	10/28/2017	15- 60	No	INC	23	0:00	22:59
134	RT	Operating Procedure Number and Constraint (7230)	PG&E	Sierra	10/8/2017	42	Yes	INC	19	5:00	23:59
135	RT	Operating Procedure Number and Constraint (7230)	PG&E	Sierra	10/17/2017	0	No	DEC	1	18:30	19:29
136	RT	Operating Procedure Number and Constraint (7230)	PG&E	Sierra	10/18/2017	0	No	DEC	6	16:50	21:59
137	RT	Operating Procedure Number and Constraint (7230)	PG&E	Sierra	10/18/2017	0	No	INC	6	16:50	21:59
138	RT	Operating Procedure Number and Constraint (7230)	PG&E	Sierra	10/19/2017	0	No	INC	1	18:30	19:29
139	RT	Operating Procedure Number and Constraint (7230)	PG&E	Sierra	10/23/2017	0	No	DEC	9	15:45	23:59
140	RT	Operating Procedure Number and Constraint (7230)	PG&E	Sierra	10/23/2017	0	No	INC	9	15:45	23:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
141	RT	Operating Procedure Number and Constraint (7230)	PG&E	Sierra	10/25/2017	0	No	DEC	3	17:00	19:59
142	RT	Operating Procedure Number and Constraint (7720)	SCE	N/A	10/15/2017	470	No	DEC	6	16:00	21:59
143	RT	Operating Procedure Number and Constraint (7720)	SCE	N/A	10/16/2017	470	No	DEC	11	13:40	23:59
144	RT	Operating Procedure Number and Constraint (7720)	SCE	N/A	10/16/2017	470	No	INC	11	13:40	23:59
145	RT	Operating Procedure Number and Constraint (7720)	SCE	N/A	10/17/2017	470	No	DEC	15	9:35	23:59
146	RT	Operating Procedure Number and Constraint (7720)	SCE	N/A	10/17/2017	470	No	INC	15	9:35	23:59
147	RT	Operating Procedure Number and Constraint (7720)	SCE	N/A	10/18/2017	470	No	DEC	13	7:40	19:59
148	RT	Operating Procedure Number and Constraint (7720)	SCE	N/A	10/18/2017	470	No	INC	13	7:40	19:59
149	RT	Operating Procedure Number and Constraint (7720)	SCE	N/A	10/23/2017	460-470	No	DEC	8	14:45	21:59
150	RT	Operating Procedure Number and Constraint (7720)	SCE	N/A	10/23/2017	460-470	No	INC	8	14:45	21:59
151	RT	Operating Procedure Number and Constraint (7720)	SCE	N/A	10/24/2017	460-470	No	DEC	9	15:20	23:59
152	RT	Operating Procedure Number and Constraint (7720)	SCE	N/A	10/24/2017	460-470	No	INC	9	15:20	23:59
153	RT	Operating Procedure Number and Constraint (7720)	SCE	N/A	10/25/2017	465	No	DEC	11	13:10	23:59
154	RT	Operating Procedure Number and Constraint (7720)	SCE	N/A	10/25/2017	465	No	INC	11	13:10	23:59
155	RT	Operating Procedure Number and Constraint (7720)	SCE	N/A	10/26/2017	465-485	No	INC	22	0:00	21:59
156	RT	Operating Procedure Number and Constraint (7720)	SCE	N/A	10/28/2017	460	No	INC	3	18:35	20:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
157	RT	Other Reliability Requirement	Intertie	N/A	10/24/2017	61	No	INC	1	16:00	16:59
158	RT	Other Reliability Requirement	Intertie	N/A	10/25/2017	750	No	DEC	4	17:45	20:59
159	RT	Other Reliability Requirement	PG&E	Bay Area	10/23/2017	120	No	INC	1	10:11	11:01
160	RT	Other Reliability Requirement	PG&E	Fresno	10/12/2017	0	No	INC	3	13:50	16:49
161	RT	Other Reliability Requirement	PG&E	Sierra	10/24/2017	166-266	No	DEC	5	17:30	22:09
162	RT	Other Reliability Requirement	PG&E	Sierra	10/24/2017	100	No	INC	5	17:30	21:59
163	RT	Other Reliability Requirement	SCE	LA Basin	10/23/2017	326-332	No	INC	1	10:11	11:01
164	RT	Other Reliability Requirement	SDG&E	San Diego-IV	10/23/2017	0	No	INC	2	14:00	15:37
165	RT	Over Generation	SDG&E	San Diego-IV	10/23/2017	593	No	DEC	1	10:20	10:29
166	RT	Planned Transmission Outage and Constraint	Intertie	N/A	10/19/2017	200-400	No	DEC	8	12:30	19:59
167	RT	Planned Transmission Outage and Constraint	Intertie	N/A	10/20/2017	400	No	INC	1	12:15	12:59
168	RT	Planned Transmission Outage and Constraint	Intertie	N/A	10/20/2017	400	No	INC	3	13:00	15:59
169	RT	Planned Transmission Outage and Constraint	Intertie	N/A	10/25/2017	600-750	No	DEC	7	11:10	17:59
170	RT	Planned Transmission Outage and Constraint	Intertie	N/A	10/25/2017	600	No	INC	5	11:10	15:59
171	RT	Planned Transmission Outage and Constraint	Intertie	N/A	10/26/2017	800	No	INC	3	12:05	14:59
172	RT	Planned Transmission Outage and Constraint	PG&E	Fresno	10/20/2017	3	No	INC	8	16:50	23:59
173	RT	Planned Transmission Outage and Constraint	PG&E	Fresno	10/21/2017	3	No	DEC	24	0:00	23:59
174	RT	Planned Transmission Outage and Constraint	PG&E	Fresno	10/22/2017	3	No	INC	6	0:00	5:59
175	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/1/2017	15- 57	No	DEC	23	0:00	22:29

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
176	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/1/2017	15- 126	No	INC	24	0:00	23:59
177	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/2/2017	62- 155	No	DEC	18	6:35	23:59
178	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/2/2017	16- 77	No	INC	24	0:00	23:59
179	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/3/2017	30- 60	No	DEC	24	0:15	23:59
180	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/3/2017	30- 77	No	INC	24	0:00	23:59
181	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/4/2017	45	No	DEC	24	0:00	23:59
182	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/4/2017	45	No	INC	24	0:00	23:59
183	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/5/2017	28- 72	No	DEC	18	6:30	23:59
184	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/5/2017	28- 72	No	INC	24	0:00	23:59
185	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/6/2017	14- 61	No	DEC	22	2:00	23:59
186	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/6/2017	30- 60	No	INC	24	0:00	23:59
187	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/7/2017	15- 45	No	DEC	24	0:00	23:59
188	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/7/2017	15- 60	No	INC	24	0:00	23:59
189	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/8/2017	15- 120	No	DEC	24	0:55	23:59
190	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/8/2017	30- 147	No	INC	24	0:00	23:59
191	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/9/2017	30- 75	No	DEC	19	5:45	23:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
192	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/9/2017	15- 90	No	INC	24	0:00	23:59
193	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/10/2017	30- 75	No	DEC	24	0:30	23:59
194	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/10/2017	56- 135	No	INC	24	0:00	23:59
195	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/11/2017	64	No	DEC	18	6:45	23:59
196	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/11/2017	42- 77	No	INC	24	0:00	23:59
197	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/12/2017	64	No	DEC	24	0:00	23:59
198	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/12/2017	32- 64	No	INC	24	0:00	23:59
199	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/13/2017	32- 64	No	DEC	21	0:00	20:59
200	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/13/2017	32- 128	No	INC	24	0:00	23:59
201	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/14/2017	28- 64	No	DEC	17	7:40	23:59
202	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/14/2017	64- 176	No	INC	24	0:00	23:59
203	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/15/2017	32- 64	No	DEC	20	4:50	23:59
204	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/15/2017	32- 238	No	INC	24	0:00	23:59
205	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/16/2017	16- 56	No	DEC	24	0:00	23:59
206	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/16/2017	32- 96	No	INC	24	0:00	23:59
207	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/17/2017	28- 70	No	DEC	24	0:00	23:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
208	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/17/2017	14- 70	No	INC	24	0:00	23:59
209	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/18/2017	28- 58	No	DEC	24	0:00	23:59
210	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/18/2017	14- 58	No	INC	24	0:00	23:59
211	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/19/2017	28- 70	No	DEC	24	0:00	23:59
212	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/19/2017	28- 70	No	INC	24	0:00	23:59
213	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/20/2017	14- 56	No	DEC	24	0:20	23:59
214	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/20/2017	28- 56	No	INC	24	0:00	23:59
215	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/21/2017	56	No	DEC	18	6:05	23:59
216	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/21/2017	56	No	INC	24	0:00	23:59
217	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/22/2017	16- 84	No	DEC	17	7:45	23:59
218	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/22/2017	28- 84	No	INC	24	0:00	23:59
219	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/23/2017	16- 48	No	DEC	19	0:00	18:59
220	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/23/2017	16- 48	No	INC	19	0:00	18:59
221	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/24/2017	30- 60	No	DEC	16	8:45	23:59
222	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/24/2017	42- 62	No	INC	10	0:05	9:29
223	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/25/2017	42- 70	No	DEC	23	1:15	23:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
224	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/25/2017	28- 90	No	INC	24	0:00	23:59
225	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/26/2017	14- 65	No	DEC	24	0:45	23:59
226	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/26/2017	42- 56	No	INC	15	0:00	14:59
227	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/27/2017	45- 59	No	DEC	18	2:35	19:59
228	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/27/2017	14- 65	No	INC	20	0:00	19:59
229	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/28/2017	32- 45	No	DEC	17	7:07	23:59
230	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/28/2017	15- 60	No	INC	17	7:07	23:59
231	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/29/2017	15- 57	No	DEC	18	6:45	23:59
232	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/29/2017	15- 63	No	INC	24	0:00	23:59
233	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/30/2017	14- 79	No	DEC	24	0:00	23:59
234	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/30/2017	14- 124	No	INC	24	0:00	23:59
235	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/31/2017	48	No	DEC	19	5:15	23:59
236	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	10/31/2017	14- 80	No	INC	24	0:00	23:59
237	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	11/1/2017	48	No	INC	1	0:00	0:39
238	RT	Planned Transmission Outage and Constraint	PG&E	NCNB	10/4/2017	196-213	No	DEC	17	7:10	23:59
239	RT	Planned Transmission Outage and Constraint	PG&E	NCNB	10/5/2017	205-213	No	DEC	24	0:00	23:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
240	RT	Planned Transmission Outage and Constraint	PG&E	NCNB	10/6/2017	192-216	No	DEC	19	0:00	18:59
241	RT	Planned Transmission Outage and Constraint	PG&E	NCNB	10/14/2017	126-260	No	DEC	3	10:05	12:14
242	RT	Planned Transmission Outage and Constraint	PG&E	NCNB	10/14/2017	63- 130	No	INC	3	10:05	12:14
243	RT	Planned Transmission Outage and Constraint	PG&E	NCNB	10/18/2017	143-176	No	DEC	7	14:40	21:14
244	RT	Planned Transmission Outage and Constraint	PG&E	NCNB	10/21/2017	150	No	DEC	16	8:15	23:59
245	RT	Planned Transmission Outage and Constraint	PG&E	NCNB	10/21/2017	74	No	INC	16	8:15	23:59
246	RT	Planned Transmission Outage and Constraint	PG&E	Sierra	10/24/2017	20	No	INC	2	8:15	9:59
247	RT	Planned Transmission Outage and Constraint	PG&E	Stockton	10/6/2017	40- 70	No	DEC	10	8:00	17:29
248	RT	Planned Transmission Outage and Constraint	PG&E	Stockton	10/6/2017	50- 70	No	INC	10	8:00	17:29
249	RT	Planned Transmission Outage and Constraint	SCE	LA Basin	10/9/2017	40	No	INC	20	4:00	23:59
250	RT	Planned Transmission Outage and Constraint	SCE	LA Basin	10/10/2017	20- 40	Yes	INC	24	0:00	23:59
251	RT	Planned Transmission Outage and Constraint	SCE	LA Basin	10/19/2017	20	No	INC	20	0:00	19:59
252	RT	Planned Transmission Outage and Constraint	SCE	N/A	10/9/2017	200	No	INC	7	8:00	14:59
253	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	10/2/2017	20	Yes	INC	4	17:00	20:59
254	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	10/3/2017	20- 110	No	INC	14	6:00	19:59
255	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	10/4/2017	63	No	INC	3	17:00	19:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
256	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	10/12/2017	63	No	INC	13	8:50	20:59
257	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	10/12/2017	63	No	INC	2	8:00	9:14
258	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	10/13/2017	63- 243	No	DEC	14	7:15	20:59
259	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	10/13/2017	63- 306	No	INC	14	7:15	20:59
260	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	10/15/2017	63	No	DEC	6	15:45	20:59
261	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	10/15/2017	63	No	INC	6	15:45	20:59
262	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	10/18/2017	63	No	DEC	15	5:20	19:59
263	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	10/18/2017	63	No	INC	15	5:20	19:59
264	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	10/19/2017	20	No	INC	4	16:15	19:59
265	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	10/25/2017	39	No	INC	5	11:26	15:59
266	RT	Software Limitation	PG&E	Bay Area	10/6/2017	360	No	DEC	5	16:40	20:59
267	RT	Software Limitation	PG&E	Bay Area	10/24/2017	231	No	DEC	1	22:20	22:59
268	RT	Software Limitation	PG&E	Fresno	10/16/2017	0	No	DEC	3	21:00	23:59
269	RT	Software Limitation	PG&E	Fresno	10/16/2017	0	No	INC	3	21:00	23:59
270	RT	Software Limitation	PG&E	Humboldt	10/5/2017	16- 32	No	INC	3	21:45	23:59
271	RT	Software Limitation	PG&E	Humboldt	10/6/2017	16	No	DEC	1	2:00	2:29
272	RT	Software Limitation	PG&E	Humboldt	10/16/2017	32	No	INC	1	23:30	23:59
273	RT	Software Limitation	PG&E	Humboldt	10/17/2017	16	No	INC	1	1:15	1:44
274	RT	Software Limitation	PG&E	Humboldt	10/19/2017	32- 64	No	INC	2	22:45	23:59
275	RT	Software Limitation	PG&E	Humboldt	10/20/2017	16	No	INC	1	0:45	1:14
276	RT	Software Limitation	PG&E	Humboldt	10/29/2017	49	No	DEC	1	21:15	21:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
277	RT	Software Limitation	PG&E	Humboldt	10/29/2017	33	No	INC	1	23:00	23:29
278	RT	Software Limitation	SCE	LA Basin	10/1/2017	500	No	INC	6	0:00	5:44
279	RT	Software Limitation	SCE	LA Basin	10/20/2017	0	No	INC	2	22:10	23:14
280	RT	Software Limitation	SCE	LA Basin	10/24/2017	150-240	No	DEC	7	15:50	21:59
281	RT	Software Limitation	SCE	LA Basin	10/24/2017	150-241	No	INC	11	11:00	21:59
282	RT	Software Limitation	SDG&E	San Diego-IV	10/2/2017	0	No	INC	3	21:10	23:59
283	RT	Software Limitation	SDG&E	San Diego-IV	10/18/2017	0	No	INC	2	20:00	21:59
284	RT	Software Limitation	SDG&E	San Diego-IV	10/23/2017	0	No	INC	4	10:15	13:59
285	RT	Software Limitation	SDG&E	San Diego-IV	10/24/2017	100	Yes	INC	2	14:30	15:59
286	RT	Unit Testing	Intertie	N/A	10/1/2017	100	No	INC	24	0:00	23:59
287	RT	Unit Testing	Intertie	N/A	10/2/2017	100	No	INC	24	0:00	23:59
288	RT	Unit Testing	Intertie	N/A	10/3/2017	100	No	INC	24	0:00	23:59
289	RT	Unit Testing	Intertie	N/A	10/4/2017	100	No	INC	24	0:00	23:59
290	RT	Unit Testing	Intertie	N/A	10/5/2017	100	No	INC	24	0:00	23:59
291	RT	Unit Testing	Intertie	N/A	10/6/2017	100	No	INC	24	0:00	23:59
292	RT	Unit Testing	Intertie	N/A	10/7/2017	100	No	INC	24	0:00	23:59
293	RT	Unit Testing	Intertie	N/A	10/8/2017	100	No	INC	24	0:00	23:59
294	RT	Unit Testing	Intertie	N/A	10/9/2017	100	No	INC	24	0:00	23:59
295	RT	Unit Testing	Intertie	N/A	10/10/2017	100	No	INC	24	0:00	23:59
296	RT	Unit Testing	Intertie	N/A	10/11/2017	100	No	INC	24	0:00	23:59
297	RT	Unit Testing	Intertie	N/A	10/12/2017	100	No	INC	24	0:00	23:59
298	RT	Unit Testing	Intertie	N/A	10/13/2017	100	No	INC	24	0:00	23:59
299	RT	Unit Testing	Intertie	N/A	10/14/2017	100	No	INC	24	0:00	23:59
300	RT	Unit Testing	Intertie	N/A	10/15/2017	100	No	INC	24	0:00	23:59
301	RT	Unit Testing	Intertie	N/A	10/16/2017	100	No	INC	24	0:00	23:59
302	RT	Unit Testing	Intertie	N/A	10/17/2017	100	No	INC	24	0:00	23:59
303	RT	Unit Testing	Intertie	N/A	10/18/2017	100	No	INC	24	0:00	23:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
304	RT	Unit Testing	Intertie	N/A	10/19/2017	100	No	INC	24	0:00	23:59
305	RT	Unit Testing	Intertie	N/A	10/20/2017	100	No	INC	24	0:00	23:59
306	RT	Unit Testing	Intertie	N/A	10/21/2017	100	No	INC	24	0:00	23:59
307	RT	Unit Testing	Intertie	N/A	10/22/2017	100	No	INC	24	0:00	23:59
308	RT	Unit Testing	Intertie	N/A	10/23/2017	100	No	INC	24	0:00	23:59
309	RT	Unit Testing	Intertie	N/A	10/24/2017	100	No	INC	24	0:00	23:59
310	RT	Unit Testing	Intertie	N/A	10/25/2017	100	No	INC	24	0:00	23:59
311	RT	Unit Testing	Intertie	N/A	10/26/2017	100	No	INC	7	0:00	6:59
312	RT	Unit Testing	PG&E	Fresno	10/26/2017	45	No	INC	1	18:10	18:54
313	RT	Unit Testing	PG&E	N/A	10/11/2017	84	No	INC	1	23:12	23:59
314	RT	Unit Testing	PG&E	N/A	10/12/2017	84	No	INC	7	0:00	6:29
315	RT	Unit Testing	PG&E	N/A	10/17/2017	44	No	DEC	1	18:50	19:09
316	RT	Unit Testing	PG&E	N/A	10/17/2017	44	No	INC	1	18:50	19:09
317	RT	Unit Testing	PG&E	N/A	10/18/2017	44	No	INC	1	19:22	19:54
318	RT	Unit Testing	SCE	LA Basin	10/12/2017	44	No	INC	1	19:13	19:29
319	RT	Unit Testing	SCE	LA Basin	10/18/2017	42	No	INC	1	19:55	20:14
320	RT	Unit Testing	SDG&E	San Diego-IV	10/11/2017	96	No	INC	1	22:55	23:29
321	RT	Unplanned Outage	PG&E	NCNB	10/10/2017	177-341	No	DEC	10	10:45	19:59
322	RT	Voltage Support	PG&E	Sierra	10/3/2017	20- 40	Yes	INC	10	1:40	10:59
323	RT	Voltage Support	PG&E	Sierra	10/4/2017	20	No	DEC	24	0:40	23:59
324	RT	Voltage Support	PG&E	Sierra	10/4/2017	20- 40	No	INC	24	0:40	23:59
325	RT	Voltage Support	PG&E	Sierra	10/5/2017	20- 40	Yes	INC	12	0:00	11:59
326	RT	Voltage Support	PG&E	Sierra	10/6/2017	20	No	INC	12	1:35	12:59
327	RT	Voltage Support	PG&E	Sierra	10/7/2017	20	No	INC	1	18:45	19:29
328	RT	Voltage Support	PG&E	Sierra	10/8/2017	20- 62	Yes	INC	11	3:15	13:59
329	RT	Voltage Support	PG&E	Sierra	10/9/2017	20	No	INC	8	3:10	10:59
330	RT	Voltage Support	PG&E	Sierra	10/14/2017	20	Yes	INC	11	5:15	15:59
331	RT	Voltage Support	PG&E	Sierra	10/15/2017	20	No	INC	14	2:15	15:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
332	RT	Voltage Support	PG&E	Sierra	10/22/2017	20	Yes	DEC	8	12:30	19:59
333	RT	Voltage Support	PG&E	Sierra	10/22/2017	20	Yes	INC	8	12:30	19:59
334	RT	Voltage Support	PG&E	Sierra	10/23/2017	20	Yes	INC	11	1:00	11:59
335	RT	Voltage Support	SCE	N/A	10/2/2017	125	Yes	INC	4	11:00	14:59

Appendix A: Explanation by Example

All examples listed below are based on fictitious data.

Example 1: Exceptional Dispatch Instructions Prior to DAM

In this fictitious example, the CAISO issued an exceptional dispatch instruction for resource A to be committed at its physical minimum (Pmin) of 50 MW from hours ending 5 through 10 for a generation procedure 7630. Similarly, the CAISO issued additional instructions to resources B and C for the same reason as shown in Table 2. Generally, exceptional dispatches prior to the day-ahead market are commitments to minimum load. Here the dispatch levels are all at minimum load.

Table 2: Instructions Prior to Day-Ahead Market

Date	Market	Resource	Location	Local Reliability Area (LRA)	Begin Time	End Time	Dispatch Level (MW)	Reason
01-Jul-09	DA	A	SCE	LA BASIN	05:00	10:00	50	7630
01-Jul-09	DA	B	SCE	LA BASIN	08:00	20:00	30	7630
01-Jul-09	DA	C	SCE	LA BASIN	09:00	23:00	20	7630

This data is summarized as shown in Table 3, which is the prescribed format specified in the FERC order on September 02, 2009. This summary classifies the data by reason, resource location, local reliability area, and trade date. The MW column in Table 3 is the range of MW; in this case the minimum instruction MW is 20 MW for resource C which occurs from hours ending 21 through 23. The maximum instruction occurs in hour ending 10. In this hour resource A is committed at 50 MW, resource B is committed at 30 MW and resource C is committed at 20 MW. This adds up to 100 MW. The MW column shows the minimum and maximum of the overlaps of all the exceptional dispatch instructions. The Commitment column shows whether a resource was committed between the begin time and end time. Commitments are broken out separately from energy dispatches. In the day-ahead, however the exceptional dispatches are nearly always just commitments, as in this example. The Begin Time column shows hour ending 5 as this was the hour ending for first dispatch of the day, and the End Time column shows hour ending 23, as this was the hour with last dispatch. It is also possible that there might be hours between the begin time and the end time where there might not be exceptional dispatch instructions for the given reason, meaning that the range between the begin time and end time can include null hours with no dispatch.

Table 3: FERC Summary of Instructions Prior to DAM

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time
1	DA	7630	SCE	LA Basin	1-Jul-09	20-100	Yes	N/A	19	05:00	23:00

Example 2: Incremental Exceptional Dispatch Instructions in RTM

In this fictitious example, the CAISO issued an exceptional dispatch instruction to resource A to be committed at its Pmin of 30 MW from hours ending 7 through 11 after completion of the day-ahead market for the transmission procedure 7110. This resource had no day-ahead award in those hours. The CAISO issued another exceptional dispatch instruction to resource B, to be dispatched at 40 MW from hours ending 8 through 9 in real-time for the transmission procedure 7110. This resource had a day-ahead schedule of 20 MW from the day-ahead market, which implies that this exceptional dispatch instruction was an incremental instruction and the exceptional dispatch MW was 20 MW. Similarly, the details of exceptional dispatch (ED) instruction for resource C are shown in Table 4.

Table 4: Incremental Exceptional Dispatch Instructions in RTM

Date	Market	Resource	Location	Local Reliability Area (LRA)	Begin Time	End Time	Dispatch Level (MW)	Day-Ahead Award (MW)	Commitment	INC/DEC	ED (MW)	Reason
01-Jul-09	RT	A	PG&E	Humboldt	06:00	11:00	30	0	Yes	INC	30	7110
01-Jul-09	RT	B	PG&E	Humboldt	07:00	09:00	40	20	No	INC	20	7110
01-Jul-09	RT	C	PG&E	Humboldt	12:00	15:00	50	50	No	INC	0	7110
01-Jul-09	RT	C	PG&E	Humboldt	16:00	20:00	50	40	No	INC	10	7110

This data is summarized as shown in Table 5 and is classified by reason, resource location, local reliability area, and trade date. The MW column in Table 5 is the range of MW; in this case the minimum instruction MW is 0 MW for resource C which occurs from hours ending 13 through 15. The maximum instruction occurs in hours ending 8 & 9, as during these two hours both resources A and B have an ED MW of 30MW and 20MW, respectively. This adds up to 50 MW. The MW column shows the minimum and maximum of the overlaps of all the exceptional dispatch instructions. The Commitment column shows whether a resource was committed between the begin time and end time. This column shows a commitment if there was a single commitment in the entire interval of exceptional dispatch. The Begin Time column shows the time of the first dispatch of the day. This is a time not a range. Similarly the End Time column shows a time and not a range. Exceptional dispatches occurred between these two times. Since there was a commitment between the begin time and end time then the Commitment column displays yes for the summary. Similarly, the INC/DEC column shows an INC as there was an incremental dispatch between the begin time and end time. As mentioned in the previous example it is possible that there might be hours between the begin time and end time where there were no exceptional dispatch instructions for the given reason.

Table 5: FERC Summary of ED Instructions in RTM

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time
1	RT	7110	PG&E	Humboldt	1-Jul-09	0-50	Yes	INC	15	06:00	20:00

Example 3: Decremental Exceptional Dispatch Instructions in RTM

This example highlights decremental exceptional dispatch instructions in the real-time market. In this fictitious example the CAISO issued an exceptional dispatch instruction to resource A to be committed at its Pmin of 20 MW from hours ending 15 through 20 after completion of the day-ahead market for the transmission procedure 7430. The CAISO issued additional exceptional dispatch instructions for resources B and C; details of those instructions are shown in Table 6.

Table 6: Decremental Exceptional Dispatch Instructions in RTM

Date	Market Type	Resource	Location	Local Reliability Area (LRA)	Begin Time	End Time	Dispatch Level (MW)	Day-Ahead Award (MW)	Commitment	INC/DEC	ED (MW)	Reason
01-Jul-09	RT	A	PG&E	Fresno	15:00	20:00	20	0	Yes	INC	20	7430
01-Jul-09	RT	B	PG&E	Fresno	07:00	09:00	40	60	No	DEC	20	7430
01-Jul-09	RT	C	PG&E	Fresno	10:00	14:00	40	50	No	DEC	10	7430

This data is summarized according to FERC convention as shown in Table 7. This summary classifies the data by reason, resource location, local reliability area, and trade date. Please note that inc and dec are broken out separately. The inc entry is self-explanatory and similar to the previous example. Regarding the dec entry, the MW column is the range of MW; in this case the minimum dec instruction is 10 MW (actually -10MW as it is a dec) for resource C which occurs from hours ending 10 through 14. The maximum instruction occurs from hours ending 7 through 9, when resource B was issued a dec instruction of 20 MW. The MW column shows the minimum and maximum of the overlaps of all the exceptional dispatch instructions. The Commitment column shows whether a resource was committed between the begin time and end time.

Table 7: FERC Summary of Decremental ED Instructions in RTM

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time
1	RT	7430	PG&E	Fresno	1-Jul-09	20	Yes	INC	6	15:00	20:00
1	RT	7430	PG&E	Fresno	1-Jul-09	10-20	Yes	DEC	8	07:00	14:00

CERTIFICATE OF SERVICE

I certify that I have served the foregoing document upon the parties listed on the official service list in the captioned proceedings, in accordance with the requirements of Rule 2010 of the Commission's Rules of Practice and Procedure (18 C.F.R. § 385.2010).

Dated at Folsom, California, this 15th day of December, 2017

Is/ Anna Pascuzzo
Anna Pascuzzo