California Independent
System Operator Corporation

August 15, 2011

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

Re: California Independent System Operator Corporation
Docket Nos. ER08-1178-___ and EL08-88-___
June 2011 Exceptional Dispatch Report (Chart 1 data)

Dear Secretary Bose:

Pursuant to the Commission's September 2, 2009 and May 4, 2010 orders in the above referenced dockets, the California Independent System Operator Corporation submits the attached report. 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 ISO's September 14 motion for clarification, which the Commission granted in its May 4 order. The attached report provides Chart 1 data for the month of June 2011.

Respectfully submitted,

By: */s/ Sidney M. Davies*

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Exceptional Dispatch Report

Table 1: June 2011

ISO Market Services August 15, 2011

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TABLE OF CONTENTS

LIST OF TABLES AND FIGURES

Introduction

This report is filed pursuant to FERC's September 2, 2009 and May 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 June 2011.

The Nature of Exceptional Dispatch

The ISO can issue exceptional dispatch instructions for a resource as a pre-day-ahead unit commitment, 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. For the purposes of this report, a real-time exceptional dispatch above the resource day-ahead award is considered an incremental exceptional dispatch instruction and an exceptional dispatch below the day-ahead award is considered a decremental dispatch instruction.

The ISO issues exceptional dispatch instructions primarily for constraints which are not enforced or not completely enforced in the market software. Whenever the ISO issues an exceptional dispatch instruction, such instructions are logged into the scheduling and logging system ("SLIC"), including the associated reason. These reasons are associated with the constraints that are not currently incorporated into the market application. In addition to model constraints, the ISO also issues exceptional dispatch instructions for software failures.

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 requirements, such as ramp requirements and intertie emergency assistance. All reason codes starting with "G" refer to an ISO operating procedure for generation requirements and reason codes starting with "T" refer to an ISO operating procedure for transmission facilities. Most of the generation procedures are internal to the ISO and not available on the ISO website. All of the transmission procedures are available on the CAISO website[2].

[1] The ISO can issue exceptional dispatch instruction subject to authority of the ISO Tariff Section 34.9 and in accordance with ISO Operating Procedure M-402.

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

In June 2011, the ISO issued exceptional dispatches for the following local area generation requirement: (1) G-206, San Diego area generation requirements. Exceptional dispatch instructions were also issued for the following transmission management requirements: (1) T-129, transmission facilities in Fresno area; (2) T-132, transmission facilities in San Diego and Imperial Valley area; (3) T-133, transmission facilities in Bay Area; (4) T-138, transmission facilities in Humboldt area; 5) T-167, transmission facilities in Tesla/Bellota Area; 6) T-170, Mirage-Tamarisk and Mirage-Concho 115 kV lines; and (7) other transmission outages in PG&E, SCE and SDG&E area.

The following additional reasons for exceptional dispatch instructions in June 2011 were not related to specific generation or transmission operating procedures: (1) 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 ISO 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 following day, then the ISO issues an exceptional dispatch to commit this resource in 2400 so that it can be dispatched economically in the following day. Software limitation reason was also used for exceptional dispatches to manually issue shut down instructions to a resource because of a temporary Automatic Dispatch System ("ADS") failure, or similar issues.); (2) Ramp Rate, when exceptional dispatch instructions were issued to dispatch a resource above its physical minimum to a level where the resource has significantly higher ramp rate capability. For example, a resource may have a ramp rate of 2 MW/min at its physical minimum of 100 MW, but a significantly higher ramp rate of 10 MW/min at 250 MW. The operators could issue an exceptional dispatch for this resource to be dispatched to 250 MW, so that the resource could respond to the anticipated steep load ramp or to a potential contingency. There were a few other reasons used to explain exceptional dispatch instructions in June, which are self explanatory.

As mentioned earlier, the data shown 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

[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.

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/NA column specifies if there was an incremental dispatch, a decremental dispatch, or only a unit commitment. If the exceptional dispatch was only a unit commitment, the column shows NA for the classification. 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 that there were a total of 249 exceptional dispatches in June 2011, increasing by 74 as compared to the July 15, 2011 report for May 2011. There were no exceptional dispatches in the day-ahead market. All exceptional dispatches in June were issued in the real-time market. Exceptional dispatches issued for the following reasons accounted for approximately 61percent of the total exceptional dispatches during the reporting period: Software Limitation, Ramp Rate, Transmission Outage PG&E, and T-167.

Table 1: Exceptional Dispatches in June 2011

California Independent System Operator Corporation
Exceptional Dispatch Report
August 15, 2011

Chart 1: Table of Exceptional Dispatches for Period 01/June/2011 – 30/June/2011

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
1	RT	COI Mitigation	N/A	N/A	13-Jun-11	200	No	DEC	1	15:35	15:59
2	RT	COI Mitigation	N/A	N/A	20-Jun-11	0	Yes	INC	2	22:35	23:24
3	RT	Fire	PG&E	Fresno	17-Jun-11	320	No	INC	3	17:05	19:59
4	RT	Fire	SCE	Big Creek-Ventura	21-Jun-11	21	No	DEC	2	16:58	17:26
5	RT	Fuel Management	SCE	LA Basin	14-Jun-11	47	No	DEC	2	15:50	16:49
6	RT	Fuel Management	SCE	LA Basin	14-Jun-11	0	No	INC	2	15:50	16:49
7	RT	G-206	SDG&E	San Diego	11-Jun-11	20	No	INC	21	3:00	23:59
8	RT	G-206	SDG&E	San Diego	12-Jun-11	20	No	INC	1	0:00	0:44
9	RT	Generation Outage	PG&E	N/A	3-Jun-11	5- 8	Yes	DEC	8	10:55	17:04
10	RT	Generation Outage	PG&E	N/A	3-Jun-11	30- 32	Yes	INC	8	11:35	18:29
11	RT	Generation Outage	SCE	LA Basin	5-Jun-11	160	No	INC	6	18:00	23:59
12	RT	Intertie Emergency Assistance	N/A	N/A	21-Jun-11	280	No	INC	1	20:00	20:59
13	RT	Load Forecast Uncertainty	SCE	Big Creek-Ventura	20-Jun-11	50	Yes	INC	16	8:00	23:59
14	RT	Path 26	SCE	LA Basin	14-Jun-11	20	No	INC	24	0:00	23:59
15	RT	Path 26	SCE	LA Basin	15-Jun-11	20	Yes	INC	23	1:00	23:59
16	RT	Path 26	SDG&E	San Diego	18-Jun-11	93	Yes	INC	1	17:00	17:59
17	RT	Pump Management	PG&E	Fresno	1-Jun-11	0	No	INC	2	4:30	5:59
18	RT	Pump Management	PG&E	Fresno	15-Jun-11	310	No	INC	2	5:00	6:29
19	RT	Pump Management	PG&E	Fresno	16-Jun-11	620	Yes	INC	1	5:00	5:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
20	RT	Pump Management	PG&E	Fresno	20-Jun-11	0	No	INC	1	6:00	6:44
21	RT	Ramp Rate	N/A	N/A	11-Jun-11	63	Yes	INC	3	20:20	22:59
22	RT	Ramp Rate	N/A	N/A	21-Jun-11	68- 88	Yes	INC	12	12:05	23:59
23	RT	Ramp Rate	N/A	N/A	22-Jun-11	20	Yes	INC	10	0:00	9:59
24	RT	Ramp Rate	PG&E	N/A	20-Jun-11	54	No	DEC	10	12:45	21:59
25	RT	Ramp Rate	PG&E	N/A	20-Jun-11	210	No	INC	10	12:28	21:59
26	RT	Ramp Rate	PG&E	N/A	21-Jun-11	30- 295	No	DEC	9	12:52	20:59
27	RT	Ramp Rate	PG&E	N/A	22-Jun-11	70- 598	No	DEC	9	12:15	20:59
28	RT	Ramp Rate	PG&E	N/A	22-Jun-11	76	No	INC	9	12:15	20:59
29	RT	Ramp Rate	PG&E	N/A	27-Jun-11	5- 443	Yes	DEC	14	10:30	23:59
30	RT	Ramp Rate	PG&E	N/A	27-Jun-11	5	Yes	INC	14	10:30	23:59
31	RT	Ramp Rate	SCE	Big Creek-Ventura	20-Jun-11	50- 450	Yes	INC	9	13:10	21:59
32	RT	Ramp Rate	SCE	Big Creek-Ventura	21-Jun-11	50- 400	Yes	INC	11	9:00	19:59
33	RT	Ramp Rate	SCE	Big Creek-Ventura	22-Jun-11	50	Yes	INC	24	0:00	23:59
34	RT	Ramp Rate	SCE	LA Basin	4-Jun-11	20- 40	Yes	INC	17	7:00	23:59
35	RT	Ramp Rate	SCE	LA Basin	5-Jun-11	20- 40	Yes	INC	24	0:00	23:59
36	RT	Ramp Rate	SCE	LA Basin	8-Jun-11	40	Yes	INC	7	15:45	21:59
37	RT	Ramp Rate	SCE	LA Basin	11-Jun-11	20- 130	Yes	INC	18	6:00	23:59
38	RT	Ramp Rate	SCE	LA Basin	12-Jun-11	20	Yes	INC	24	0:00	23:59
39	RT	Ramp Rate	SCE	LA Basin	15-Jun-11	71- 258	Yes	INC	14	8:05	21:59
40	RT	Ramp Rate	SCE	LA Basin	18-Jun-11	70	Yes	INC	1	10:05	10:54
41	RT	Ramp Rate	SCE	LA Basin	20-Jun-11	190	Yes	INC	9	13:05	21:59
42	RT	Ramp Rate	SCE	LA Basin	21-Jun-11	20- 281	Yes	INC	24	0:00	23:59
43	RT	Ramp Rate	SCE	LA Basin	22-Jun-11	192- 211	No	DEC	9	12:50	20:59
44	RT	Ramp Rate	SCE	LA Basin	22-Jun-11	45- 281	Yes	INC	24	0:00	23:59
45	RT	Ramp Rate	SCE	LA Basin	23-Jun-11	45- 261	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
46	RT	Ramp Rate	SCE	N/A	4-Jun-11	40- 99	Yes	INC	17	7:00	23:59
47	RT	Ramp Rate	SCE	N/A	5-Jun-11	40- 99	Yes	INC	24	0:00	23:59
48	RT	Ramp Rate	SCE	N/A	11-Jun-11	40	Yes	INC	18	6:00	23:59
49	RT	Ramp Rate	SCE	N/A	12-Jun-11	40	Yes	INC	24	0:00	23:59
50	RT	Ramp Rate	SDG&E	San Diego	11-Jun-11	63	No	INC	2	18:00	19:59
51	RT	Ramp Rate	SDG&E	San Diego	21-Jun-11	20	No	INC	3	9:00	11:59
52	RT	Ramp Rate	SDG&E	San Diego	22-Jun-11	20	Yes	INC	3	18:00	20:59
53	RT	SP26 Capacity	SCE	Big Creek-Ventura	20-Jun-11	20	Yes	INC	12	9:00	20:59
54	RT	SP26 Capacity	SCE	LA Basin	6-Jun-11	20- 180	Yes	INC	24	0:00	23:59
55	RT	SP26 Capacity	SCE	LA Basin	7-Jun-11	20- 40	Yes	INC	24	0:00	23:59
56	RT	SP26 Capacity	SCE	LA Basin	8-Jun-11	20	Yes	INC	24	0:00	23:59
57	RT	SP26 Capacity	SCE	LA Basin	13-Jun-11	20	Yes	INC	24	0:00	23:59
58	RT	SP26 Capacity	SCE	LA Basin	15-Jun-11	25- 70	Yes	INC	21	3:00	23:59
59	RT	SP26 Capacity	SCE	LA Basin	18-Jun-11	176	No	DEC	5	16:05	20:59
60	RT	SP26 Capacity	SCE	LA Basin	18-Jun-11	20- 360	Yes	INC	17	7:00	23:59
61	RT	SP26 Capacity	SCE	LA Basin	19-Jun-11	20- 210	Yes	INC	24	0:00	23:59
62	RT	SP26 Capacity	SCE	LA Basin	20-Jun-11	20- 70	Yes	INC	24	0:00	23:59
63	RT	SP26 Capacity	SCE	LA Basin	21-Jun-11	20- 40	Yes	INC	24	0:00	23:59
64	RT	SP26 Capacity	SCE	LA Basin	22-Jun-11	40	Yes	INC	24	0:00	23:59
65	RT	SP26 Capacity	SCE	LA Basin	28-Jun-11	10	Yes	INC	24	0:00	23:59
66	RT	Software Limitation	N/A	N/A	5-Jun-11	253	Yes	INC	24	0:25	23:59
67	RT	Software Limitation	N/A	N/A	6-Jun-11	253	Yes	INC	14	0:00	13:59
68	RT	Software Limitation	N/A	N/A	7-Jun-11	0	Yes	INC	6	11:00	16:59
69	RT	Software Limitation	N/A	N/A	9-Jun-11	0	No	INC	1	23:30	23:59
70	RT	Software Limitation	N/A	N/A	17-Jun-11	0	Yes	INC	2	3:10	4:09
71	RT	Software Limitation	N/A	N/A	19-Jun-11	380	Yes	INC	2	20:35	21:19
72	RT	Software Limitation	N/A	N/A	20-Jun-11	37	Yes	INC	2	18:20	19:59
73	RT	Software Limitation	N/A	N/A	23-Jun-11	136- 145	No	DEC	5	7:35	11:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
74	RT	Software Limitation	N/A	N/A	23-Jun-11	75- 297	Yes	INC	5	7:10	11:09
75	RT	Software Limitation	N/A	N/A	24-Jun-11	164- 166	Yes	INC	2	7:05	8:14
76	RT	Software Limitation	N/A	N/A	30-Jun-11	300	No	INC	2	11:25	12:59
77	RT	Software Limitation	PG&E	Bay Area	3-Jun-11	47	Yes	INC	2	13:15	14:04
78	RT	Software Limitation	PG&E	Bay Area	4-Jun-11	253	No	INC	2	18:50	19:59
79	RT	Software Limitation	PG&E	Bay Area	5-Jun-11	47	Yes	INC	1	14:10	14:59
80	RT	Software Limitation	PG&E	Bay Area	8-Jun-11	0	No	INC	1	23:45	23:59
81	RT	Software Limitation	PG&E	Bay Area	9-Jun-11	600	No	INC	12	0:00	11:59
82	RT	Software Limitation	PG&E	Bay Area	18-Jun-11	380	No	INC	8	15:05	22:59
83	RT	Software Limitation	PG&E	Bay Area	23-Jun-11	600	Yes	INC	15	9:50	23:59
84	RT	Software Limitation	PG&E	Bay Area	24-Jun-11	0	No	INC	1	0:00	0:14
85	RT	Software Limitation	PG&E	Bay Area	30-Jun-11	47	Yes	INC	3	10:35	12:59
86	RT	Software Limitation	PG&E	Fresno	1-Jun-11	0	No	INC	2	3:40	4:09
87	RT	Software Limitation	PG&E	Fresno	2-Jun-11	308	No	DEC	1	6:00	6:09
88	RT	Software Limitation	PG&E	Fresno	2-Jun-11	0	No	INC	1	6:10	6:29
89	RT	Software Limitation	PG&E	Fresno	3-Jun-11	95	Yes	INC	5	13:15	17:29
90	RT	Software Limitation	PG&E	Fresno	5-Jun-11	49	Yes	INC	1	14:10	14:59
91	RT	Software Limitation	PG&E	Fresno	6-Jun-11	0	Yes	INC	5	19:50	23:59
92	RT	Software Limitation	PG&E	Fresno	8-Jun-11	0	No	DEC	2	22:55	23:14
93	RT	Software Limitation	PG&E	Fresno	8-Jun-11	83	No	INC	2	22:55	23:59
94	RT	Software Limitation	PG&E	Fresno	9-Jun-11	320	No	INC	12	0:09	11:59
95	RT	Software Limitation	PG&E	Fresno	15-Jun-11	0	No	INC	2	1:44	2:43
96	RT	Software Limitation	PG&E	Fresno	20-Jun-11	0	No	INC	1	6:30	6:59
97	RT	Software Limitation	PG&E	Fresno	22-Jun-11	50	No	DEC	3	12:50	14:49
98	RT	Software Limitation	PG&E	Fresno	22-Jun-11	46- 320	No	INC	5	10:00	14:49
99	RT	Software Limitation	PG&E	Fresno	26-Jun-11	0	No	INC	1	23:21	23:58
100	RT	Software Limitation	PG&E	Fresno	30-Jun-11	175	Yes	INC	8	10:35	17:09
101	RT	Software Limitation	PG&E	N/A	19-Jun-11	147- 380	No	INC	1	20:00	20:41
102	RT	Software Limitation	PG&E	N/A	20-Jun-11	299	No	INC	1	23:25	23:34

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
103	RT	Software Limitation	PG&E	N/A	21-Jun-11	52	No	INC	1	8:57	8:59
104	RT	Software Limitation	PG&E	N/A	22-Jun-11	457- 480	No	INC	3	10:00	12:49
105	RT	Software Limitation	PG&E	N/A	24-Jun-11	97- 147	No	INC	2	13:00	14:47
106	RT	Software Limitation	PG&E	N/A	30-Jun-11	0	No	INC	1	23:05	23:59
107	RT	Software Limitation	PG&E	Stockton	5-Jun-11	22	Yes	INC	1	14:10	14:59
108	RT	Software Limitation	PG&E	Stockton	30-Jun-11	22	Yes	INC	2	10:35	11:24
109	RT	Software Limitation	SCE	Big Creek-Ventura	1-Jun-11	0	No	INC	1	22:10	22:39
110	RT	Software Limitation	SCE	Big Creek-Ventura	3-Jun-11	174	Yes	INC	7	13:15	19:34
111	RT	Software Limitation	SCE	Big Creek-Ventura	5-Jun-11	174	Yes	INC	4	14:10	17:14
112	RT	Software Limitation	SCE	Big Creek-Ventura	20-Jun-11	20	Yes	INC	1	23:00	23:59
113	RT	Software Limitation	SCE	Big Creek-Ventura	21-Jun-11	20	Yes	INC	20	0:00	19:59
114	RT	Software Limitation	SCE	Big Creek-Ventura	22-Jun-11	9- 121	Yes	DEC	2	14:30	15:59
115	RT	Software Limitation	SCE	Big Creek-Ventura	22-Jun-11	0	Yes	INC	1	15:00	15:49
116	RT	Software Limitation	SCE	Big Creek-Ventura	30-Jun-11	174	Yes	INC	4	10:35	13:19
117	RT	Software Limitation	SCE	LA Basin	1-Jun-11	0	No	INC	10	13:00	22:59
118	RT	Software Limitation	SCE	LA Basin	3-Jun-11	201	Yes	INC	21	0:35	20:39
119	RT	Software Limitation	SCE	LA Basin	5-Jun-11	189	Yes	INC	10	14:10	23:59
120	RT	Software Limitation	SCE	LA Basin	6-Jun-11	0	Yes	INC	1	23:00	23:59
121	RT	Software Limitation	SCE	LA Basin	9-Jun-11	0	No	INC	15	0:15	14:14
122	RT	Software Limitation	SCE	LA Basin	11-Jun-11	0	No	INC	1	15:00	15:34
123	RT	Software Limitation	SCE	LA Basin	15-Jun-11	0	Yes	INC	2	16:35	17:04
124	RT	Software Limitation	SCE	LA Basin	16-Jun-11	159- 225	No	DEC	4	20:00	23:59
125	RT	Software Limitation	SCE	LA Basin	16-Jun-11	0	Yes	INC	1	9:30	9:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
126	RT	Software Limitation	SCE	LA Basin	17-Jun-11	0	No	INC	20	0:00	19:59
127	RT	Software Limitation	SCE	LA Basin	19-Jun-11	20	Yes	INC	1	23:00	23:59
128	RT	Software Limitation	SCE	LA Basin	20-Jun-11	70	No	INC	1	8:42	8:59
129	RT	Software Limitation	SCE	LA Basin	21-Jun-11	10- 80	No	INC	5	19:00	23:59
130	RT	Software Limitation	SCE	LA Basin	24-Jun-11	91- 193	No	DEC	16	8:00	23:59
131	RT	Software Limitation	SCE	LA Basin	27-Jun-11	130	Yes	INC	2	13:50	14:34
132	RT	Software Limitation	SCE	LA Basin	29-Jun-11	20	Yes	INC	7	17:00	23:59
133	RT	Software Limitation	SCE	LA Basin	30-Jun-11	20- 320	Yes	INC	23	1:00	23:59
134	RT	Software Limitation	SCE	N/A	4-Jun-11	120	Yes	INC	2	20:28	21:55
135	RT	Software Limitation	SCE	N/A	22-Jun-11	51	Yes	DEC	2	12:54	13:09
136	RT	Software Limitation	SDG&E	N/A	28-Jun-11	5- 455	No	INC	18	6:20	23:59
137	RT	Software Limitation	SDG&E	San Diego	3-Jun-11	72	Yes	INC	4	13:15	16:29
138	RT	Software Limitation	SDG&E	San Diego	4-Jun-11	0	Yes	INC	2	0:15	1:39
139	RT	Software Limitation	SDG&E	San Diego	5-Jun-11	72	Yes	INC	10	14:10	23:14
140	RT	Software Limitation	SDG&E	San Diego	20-Jun-11	276	No	INC	1	23:25	23:39
141	RT	Software Limitation	SDG&E	San Diego	30-Jun-11	72	Yes	INC	12	10:35	21:04
142	RT	System Capacity	PG&E	Fresno	14-Jun-11	111	No	INC	2	8:45	9:09
143	RT	System Capacity	SCE	LA Basin	23-Jun-11	20	Yes	INC	24	0:00	23:59
144	RT	System Energy	N/A	N/A	2-Jun-11	200	No	DEC	1	2:00	2:59
145	RT	System Energy	N/A	N/A	3-Jun-11	498	Yes	INC	1	0:00	0:59
146	RT	System Energy	N/A	N/A	8-Jun-11	500	Yes	INC	1	21:00	21:59
147	RT	System Energy	N/A	N/A	11-Jun-11	0	Yes	INC	1	20:00	20:59
148	RT	System Energy	N/A	N/A	13-Jun-11	275	Yes	INC	1	0:00	0:59
149	RT	System Energy	N/A	N/A	14-Jun-11	200- 257	No	INC	12	6:00	17:59
150	RT	System Energy	N/A	N/A	17-Jun-11	100	Yes	INC	1	19:00	19:59
151	RT	System Energy	N/A	N/A	30-Jun-11	76- 155	No	DEC	12	2:00	13:59
152	RT	System Energy	N/A	N/A	30-Jun-11	60- 550	No	INC	12	2:00	13:59
153	RT	System Reliability	N/A	N/A	16-Jun-11	350	No	DEC	1	10:35	10:44
154	RT	System Reliability	N/A	N/A	18-Jun-11	147- 197	Yes	INC	2	17:00	18:29

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
155	RT	System Reliability	N/A	N/A	30-Jun-11	205- 351	No	DEC	2	10:36	11:29
156	RT	System Reliability	PG&E	Bay Area	30-Jun-11	600	No	INC	1	11:00	11:03
157	RT	System Reliability	PG&E	Fresno	1-Jun-11	83- 725	No	INC	3	18:08	20:29
158	RT	System Reliability	PG&E	Fresno	5-Jun-11	320	No	INC	1	14:18	14:20
159	RT	System Reliability	PG&E	Fresno	30-Jun-11	648	No	INC	2	10:34	11:29
160	RT	System Reliability	PG&E	N/A	18-Jun-11	197	No	INC	2	16:45	17:11
161	RT	System Reliability	SCE	Big Creek-Ventura	1-Jun-11	54- 184	No	INC	3	18:10	20:14
162	RT	System Reliability	SCE	Big Creek-Ventura	16-Jun-11	125	No	DEC	1	10:35	10:44
163	RT	System Reliability	SCE	LA Basin	1-Jun-11	186	No	INC	5	18:10	22:54
164	RT	System Reliability	SCE	LA Basin	29-Jun-11	300	No	INC	2	0:15	1:19
165	RT	System Reliability	SCE	LA Basin	30-Jun-11	600	No	INC	2	10:56	11:11
166	RT	System Reliability	SDG&E	N/A	5-Jun-11	180- 185	No	DEC	3	16:25	18:39
167	RT	T-129	PG&E	Fresno	7-Jun-11	0	Yes	INC	1	23:50	23:59
168	RT	T-129	PG&E	Fresno	8-Jun-11	5- 7	Yes	DEC	24	0:00	23:59
169	RT	T-129	PG&E	Fresno	8-Jun-11	75	Yes	INC	2	0:00	1:59
170	RT	T-129	PG&E	Fresno	9-Jun-11	28	Yes	INC	18	6:15	23:59
171	RT	T-129	PG&E	Fresno	16-Jun-11	310	No	INC	4	2:25	5:59
172	RT	T-129	PG&E	Fresno	17-Jun-11	310	No	INC	3	0:25	2:14
173	RT	T-129	PG&E	Fresno	18-Jun-11	310	No	INC	9	0:35	8:30
174	RT	T-129	PG&E	Fresno	19-Jun-11	310	No	INC	7	0:50	6:59
175	RT	T-129	PG&E	Fresno	23-Jun-11	310	No	INC	2	0:00	1:03
176	RT	T-129	PG&E	Fresno	29-Jun-11	5	Yes	INC	1	15:18	15:59
177	RT	T-132	SDG&E	N/A	17-Jun-11	245	No	DEC	2	17:10	18:09
178	RT	T-132	SDG&E	N/A	20-Jun-11	50- 172	Yes	DEC	6	16:08	21:59
179	RT	T-132	SDG&E	N/A	20-Jun-11	130	Yes	INC	6	16:35	21:59
180	RT	T-132	SDG&E	San Diego	17-Jun-11	338- 621	No	INC	2	17:15	18:09
181	RT	T-133	PG&E	Bay Area	19-Jun-11	256	Yes	INC	2	22:00	23:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
182	RT	T-133	PG&E	Bay Area	20-Jun-11	210	Yes	INC	1	0:00	0:04
183	RT	T-138	PG&E	Humboldt	19-Jun-11	29	No	INC	1	19:40	19:59
184	RT	T-138	PG&E	Humboldt	20-Jun-11	48	No	INC	1	19:08	19:59
185	RT	T-138	PG&E	Humboldt	21-Jun-11	32- 48	No	INC	24	0:00	23:59
186	RT	T-138	PG&E	Humboldt	22-Jun-11	32- 45	No	INC	23	1:40	23:59
187	RT	T-138	PG&E	Humboldt	23-Jun-11	96- 128	No	INC	24	0:00	23:59
188	RT	T-138	PG&E	Humboldt	24-Jun-11	96	No	INC	14	4:55	17:59
189	RT	T-138	PG&E	Humboldt	27-Jun-11	16- 48	No	INC	16	6:21	21:59
190	RT	T-167	PG&E	N/A	17-Jun-11	39	No	INC	1	23:45	23:49
191	RT	T-167	PG&E	N/A	18-Jun-11	5- 10	No	DEC	24	0:00	23:59
192	RT	T-167	PG&E	N/A	18-Jun-11	17- 22	No	INC	13	0:00	12:29
193	RT	T-167	PG&E	N/A	19-Jun-11	17	No	INC	24	0:00	23:59
194	RT	T-167	PG&E	N/A	20-Jun-11	10- 15	No	DEC	24	0:00	23:59
195	RT	T-167	PG&E	N/A	20-Jun-11	12- 17	No	INC	18	0:00	17:49
196	RT	T-167	PG&E	N/A	21-Jun-11	5- 10	No	DEC	14	10:45	23:59
197	RT	T-167	PG&E	N/A	21-Jun-11	20- 54	No	INC	24	0:00	23:59
198	RT	T-167	PG&E	N/A	22-Jun-11	10	No	DEC	17	0:00	16:59
199	RT	T-167	PG&E	N/A	22-Jun-11	20- 29	No	INC	17	0:00	16:59
200	RT	T-167	PG&E	N/A	24-Jun-11	40	No	DEC	2	9:15	10:59
201	RT	T-167	PG&E	N/A	28-Jun-11	32- 146	No	DEC	3	9:35	11:41
202	RT	T-167	PG&E	Stockton	8-Jun-11	60	Yes	INC	1	8:35	8:59
203	RT	T-167	PG&E	Stockton	14-Jun-11	13- 83	No	DEC	18	6:20	23:59
204	RT	T-167	PG&E	Stockton	14-Jun-11	10- 157	No	INC	8	16:50	23:59
205	RT	T-170	SCE	LA Basin	21-Jun-11	35- 42	Yes	INC	6	14:44	19:59
206	RT	Transmission Mitigation	PG&E	Stockton	19-Jun-11	55	No	INC	3	4:40	6:59
207	RT	Transmission Mitigation	PG&E	Stockton	29-Jun-11	15- 20	No	INC	1	0:25	0:59
208	RT	Transmission Outage Other	PG&E	N/A	2-Jun-11	3- 5	Yes	DEC	4	10:42	13:59
209	RT	Transmission Outage PG&E	N/A	N/A	20-Jun-11	1	No	DEC	12	12:15	23:59
210	RT	Transmission Outage PG&E	N/A	N/A	20-Jun-11	32- 108	Yes	INC	17	7:10	23:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
211	RT	Transmission Outage PG&E	N/A	N/A	29-Jun-11	16	Yes	INC	11	7:30	17:59
212	RT	Transmission Outage PG&E	N/A	N/A	30-Jun-11	16- 64	Yes	INC	4	7:50	10:59
213	RT	Transmission Outage PG&E	PG&E	Humboldt	13-Jun-11	80- 112	No	INC	19	5:45	23:59
214	RT	Transmission Outage PG&E	PG&E	Humboldt	14-Jun-11	64- 96	No	INC	24	0:00	23:59
215	RT	Transmission Outage PG&E	PG&E	Humboldt	15-Jun-11	16- 80	No	INC	24	0:00	23:59
216	RT	Transmission Outage PG&E	PG&E	Humboldt	16-Jun-11	16- 80	No	INC	24	0:00	23:59
217	RT	Transmission Outage PG&E	PG&E	Humboldt	17-Jun-11	80	No	INC	11	0:00	10:44
218	RT	Transmission Outage PG&E	PG&E	Humboldt	20-Jun-11	16- 76	No	INC	13	7:01	19:07
219	RT	Transmission Outage PG&E	PG&E	Humboldt	21-Jun-11	32- 80	No	INC	24	0:00	23:59
220	RT	Transmission Outage PG&E	PG&E	Humboldt	22-Jun-11	64- 112	No	INC	24	0:00	23:59
221	RT	Transmission Outage PG&E	PG&E	Humboldt	27-Jun-11	16- 48	No	INC	16	6:21	21:59
222	RT	Transmission Outage PG&E	PG&E	Humboldt	28-Jun-11	32- 48	No	INC	24	0:00	23:59
223	RT	Transmission Outage PG&E	PG&E	Humboldt	29-Jun-11	29- 73	No	INC	24	0:00	23:59
224	RT	Transmission Outage PG&E	PG&E	Humboldt	30-Jun-11	16- 29	No	INC	15	2:00	16:08
225	RT	Transmission Outage PG&E	PG&E	N/A	2-Jun-11	5	Yes	DEC	2	20:12	21:59
226	RT	Transmission Outage PG&E	PG&E	N/A	3-Jun-11	10	Yes	DEC	1	10:04	10:54
227	RT	Transmission Outage PG&E	PG&E	N/A	6-Jun-11	19- 29	No	DEC	6	10:32	15:24
228	RT	Transmission Outage PG&E	PG&E	N/A	7-Jun-11	17- 46	No	DEC	6	10:32	15:51
229	RT	Transmission Outage PG&E	PG&E	N/A	8-Jun-11	2	No	DEC	1	11:05	11:49
230	RT	Transmission Outage PG&E	PG&E	NCNB	24-Jun-11	24- 54	No	DEC	6	6:26	11:09
231	RT	Transmission Outage PG&E	PG&E	NCNB	27-Jun-11	20- 32	No	DEC	2	11:45	12:34
232	RT	Transmission Outage PG&E	PG&E	Stockton	2-Jun-11	5- 50	No	INC	5	0:50	4:59
233	RT	Transmission Outage PG&E	PG&E	Stockton	7-Jun-11	4- 95	No	DEC	7	10:10	16:09
234	RT	Transmission Outage PG&E	PG&E	Stockton	7-Jun-11	0- 6	No	INC	2	9:50	10:09
235	RT	Transmission Outage PG&E	PG&E	Stockton	15-Jun-11	5- 15	No	DEC	1	4:25	4:47
236	RT	Transmission Outage PG&E	PG&E	Stockton	21-Jun-11	83	Yes	INC	4	16:35	19:59
237	RT	Transmission Outage PG&E	PG&E	Stockton	22-Jun-11	5	No	DEC	2	15:18	16:14
238	RT	Transmission Outage PG&E	PG&E	Stockton	22-Jun-11	30	No	INC	5	16:15	20:59
239	RT	Transmission Outage SDG&E	SDG&E	San Diego	13-Jun-11	15- 46	Yes	INC	5	10:23	14:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
240	RT	Transmission Outage SDG&E	SDG&E	San Diego	29-Jun-11	45- 91	Yes	INC	5	14:15	18:44
241	RT	Unit Testing	N/A	N/A	3-Jun-11	550- 600	No	INC	9	8:25	16:24
242	RT	Unit Testing	N/A	N/A	5-Jun-11	200	Yes	INC	1	4:00	4:59
243	RT	Unit Testing	PG&E	Fresno	5-Jun-11	255- 360	No	INC	5	5:00	9:24
244	RT	Unit Testing	PG&E	N/A	8-Jun-11	52	No	INC	1	7:05	7:09
245	RT	Unit Testing	PG&E	N/A	15-Jun-11	660	Yes	INC	13	11:00	23:59
246	RT	Unit Testing	PG&E	Stockton	8-Jun-11	0	Yes	INC	2	9:15	10:14
247	RT	Unit Testing	SCE	LA Basin	27-Jun-11	125	Yes	INC	18	6:00	23:59
248	RT	Unit Testing	SCE	LA Basin	28-Jun-11	200	Yes	INC	4	17:15	20:44
249	RT	Unit Testing	SCE	LA Basin	29-Jun-11	125	Yes	INC	12	6:00	17:59

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 ISO 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 G-219. Similarly, the ISO 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. In this case 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	G-219
01-Jul-09	DA	B	SCE	LA BASIN	08:00	20:00	30	G-219
01-Jul-09	DA	C	SCE	LA BASIN	09:00	23:00	20	G-219.

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. Thus 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 shows hour ending 5 as this was the hour ending for first dispatch of the day, and the End Time shows hour ending 23, as this was the hour with last dispatch. It is also possible that there might be some 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	G-219	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 ISO 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 T-138. This resource did not have a day-ahead award in those hours. The ISO 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 T-138. 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 is 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	t-138
01-Jul-09	RT	B	PG&E	Humboldt	07:00	09:00	40	20	No	INC	20	t-138
01-Jul-09	RT	C	PG&E	Humboldt	12:00	15:00	50	50	No	INC	0	t-138
01-Jul-09	RT	C	PG&E	Humboldt	16:00	20:00	50	40	No	INC	10	t-138

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. Thus 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 shows the time of the first dispatch of the day. This is a time not a range. Similarly the End Time 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 some 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	T-138	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 ISO 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 T-129. The ISO 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	t-129
01-Jul-09	RT	B	PG&E	Fresno	07:00	09:00	40	60	No	DEC	20	t-129
01-Jul-09	RT	C	PG&E	Fresno	10:00	14:00	40	50	No	DEC	10	t-129

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. Thus 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	T-129	PG&E	Fresno	1-Jul-09	20	Yes	INC	6	15:00	20:00
1	RT	T-129	PG&E	Fresno	1-Jul-09	10-20	Yes	DEC	8	07:00	14:00

CERTIFICATE OF SERVICE

I hereby 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 August, 2011.

/s/ Anna Pascuzzo

Anna Pascuzzo