



California Independent
System Operator Corporation

May 13, 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-___
March 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 March 2011.

Respectfully submitted,

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California ISO
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Exceptional Dispatch Report

Table 1: March 2011

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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 March 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 dispatch¹. 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 inertia 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 website².

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 March 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; and (5) other transmission outages in PG&E, SCE and SDG&E area.

The following additional reasons for exceptional dispatch instructions in March 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) Market Disruption, when the exceptional dispatch instructions were issued due to HASP failures; and (3) 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 could 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 March, which are self explanatory.

As mentioned earlier, the data shown in Table 1 is based on a template specified in the September 2009 order³. 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.

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.

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 207 exceptional dispatches in March 2011, increasing by 32 as compared to the April 15, 2011 report for February 2011. There were no exceptional dispatches in the day-ahead market. All exceptional dispatches in March were issued in the real-time market. Exceptional dispatches issued for the following reasons accounted for approximately 57 percent of the total exceptional dispatches during the reporting period: Software Limitation, Transmission Outage PG&E, Transmission Outage SDG&E, and Ramp Rate. There was no designation of capacity under Interim Capacity Procurement Mechanism (ICPM) in March 2011.

Table 1: Exceptional Dispatches in March 2011

**California Independent System Operator Corporation
Exceptional Dispatch Report
May 16, 2011**

Chart 1: Table of Exceptional Dispatches for Period 01/March/2011 – 31/March2011

Num ber	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commit ment	INC_DEC	Hours	Begin Time	End Time
1	RT	COI Mitigation	N/A	N/A	5-Mar-11	40- 200	No	DEC	7	5:45	11:59
2	RT	COI Mitigation	N/A	N/A	21-Mar-11	13	No	DEC	1	16:00	16:59
3	RT	COI Mitigation	N/A	N/A	28-Mar-11	200	No	DEC	1	7:00	7:59
4	RT	G-206	SCE	LA Basin	21-Mar-11	20	Yes	INC	24	0:00	23:59
5	RT	G-206	SDG&E	San Diego	5-Mar-11	300	No	INC	4	6:00	9:16
6	RT	G-206	SDG&E	San Diego	11-Mar-11	155	Yes	INC	18	6:00	23:59
7	RT	G-206	SDG&E	San Diego	21-Mar-11	20	Yes	INC	18	6:00	23:59
8	RT	G-206	SDG&E	San Diego	25-Mar-11	200	Yes	INC	1	23:00	23:59
9	RT	G-206	SDG&E	San Diego	26-Mar-11	200- 300	Yes	INC	24	0:00	23:59
10	RT	G-206	SDG&E	San Diego	27-Mar-11	200- 257	Yes	INC	15	2:00	16:14
11	RT	G-206	SDG&E	San Diego	28-Mar-11	200	Yes	INC	24	0:00	23:59
12	RT	Generation Outage	PG&E	Bay Area	27-Mar-11	253	No	INC	17	0:00	16:14
13	RT	Intertie Emergency Assistance	N/A	N/A	31-Mar-11	120- 250	No	INC	2	13:23	14:59
14	RT	Market Disruption	N/A	N/A	22-Mar-11	885	No	INC	1	18:00	18:59
15	RT	Market Disruption	SCE	LA Basin	19-Mar-11	400	No	INC	1	0:26	0:36
16	RT	Over Generation	PG&E	Bay Area	30-Mar-11	380	No	INC	3	1:18	3:59
17	RT	Over Generation	PG&E	Fresno	12-Mar-11	12	No	INC	2	6:45	7:29
18	RT	Over Generation	PG&E	Fresno	15-Mar-11	198	No	DEC	1	6:02	6:11
19	RT	Over Generation	SCE	LA Basin	26-Mar-11	11	Yes	INC	2	15:00	16:29
20	RT	Over Generation	SCE	LA Basin	30-Mar-11	240	No	INC	4	0:35	3:59

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
21	RT	Ramp Rate	N/A	N/A	17-Mar-11	64	Yes	INC	16	7:15	22:59
22	RT	Ramp Rate	PG&E	Fresno	10-Mar-11	117- 315	No	INC	2	10:30	11:22
23	RT	Ramp Rate	SCE	LA Basin	2-Mar-11	60- 326	No	DEC	7	14:00	20:59
24	RT	Ramp Rate	SCE	LA Basin	2-Mar-11	190	No	INC	7	14:00	20:04
25	RT	Ramp Rate	SCE	LA Basin	3-Mar-11	24- 276	No	DEC	7	14:59	20:59
26	RT	Ramp Rate	SCE	LA Basin	3-Mar-11	40- 106	Yes	INC	24	0:00	23:59
27	RT	Ramp Rate	SCE	LA Basin	4-Mar-11	14- 266	No	DEC	6	14:55	19:59
28	RT	Ramp Rate	SCE	LA Basin	4-Mar-11	190	Yes	INC	6	14:55	19:59
29	RT	Ramp Rate	SCE	LA Basin	7-Mar-11	360- 410	Yes	INC	4	16:10	19:59
30	RT	Ramp Rate	SCE	LA Basin	8-Mar-11	14- 408	No	DEC	5	15:20	19:59
31	RT	Ramp Rate	SCE	LA Basin	8-Mar-11	52- 148	No	INC	5	15:20	19:59
32	RT	Ramp Rate	SCE	LA Basin	9-Mar-11	14- 366	No	DEC	4	16:25	19:59
33	RT	Ramp Rate	SCE	LA Basin	9-Mar-11	71- 96	No	INC	4	16:25	19:59
34	RT	Ramp Rate	SCE	LA Basin	10-Mar-11	14- 408	No	DEC	9	12:20	20:59
35	RT	Ramp Rate	SCE	LA Basin	10-Mar-11	52- 280	No	INC	9	12:20	20:59
36	RT	Software Limitation	N/A	N/A	2-Mar-11	0	No	INC	7	1:15	7:29
37	RT	Software Limitation	N/A	N/A	9-Mar-11	380	Yes	INC	6	3:45	8:59
38	RT	Software Limitation	N/A	N/A	10-Mar-11	320- 600	Yes	INC	6	15:00	20:39
39	RT	Software Limitation	N/A	N/A	12-Mar-11	0	Yes	INC	1	23:20	23:59
40	RT	Software Limitation	N/A	N/A	13-Mar-11	951	Yes	INC	20	1:00	20:59
41	RT	Software Limitation	N/A	N/A	14-Mar-11	350	No	INC	4	17:05	20:59
42	RT	Software Limitation	N/A	N/A	15-Mar-11	160	Yes	INC	2	18:10	19:59
43	RT	Software Limitation	N/A	N/A	26-Mar-11	253	Yes	INC	5	19:30	23:59
44	RT	Software Limitation	PG&E	Bay Area	9-Mar-11	380	No	INC	2	9:02	10:46
45	RT	Software Limitation	PG&E	Bay Area	13-Mar-11	380	No	INC	5	16:10	20:59
46	RT	Software Limitation	PG&E	Bay Area	15-Mar-11	0	Yes	INC	1	13:20	13:49
47	RT	Software Limitation	PG&E	Bay Area	19-Mar-11	0	Yes	INC	23	1:35	23:59
48	RT	Software Limitation	PG&E	Bay Area	20-Mar-11	0	Yes	INC	24	0:00	23:54
49	RT	Software Limitation	PG&E	Bay Area	27-Mar-11	380	No	INC	1	16:04	16:49

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
50	RT	Software Limitation	PG&E	Fresno	3-Mar-11	83	No	DEC	2	5:55	6:54
51	RT	Software Limitation	PG&E	Fresno	3-Mar-11	0	No	INC	2	5:55	6:54
52	RT	Software Limitation	PG&E	Fresno	9-Mar-11	320	No	INC	6	15:32	20:59
53	RT	Software Limitation	PG&E	Fresno	10-Mar-11	320	No	INC	6	14:42	19:45
54	RT	Software Limitation	PG&E	Fresno	11-Mar-11	0	No	INC	2	5:25	6:24
55	RT	Software Limitation	PG&E	Fresno	15-Mar-11	320- 325	Yes	INC	21	0:05	20:16
56	RT	Software Limitation	PG&E	Fresno	23-Mar-11	83	No	DEC	1	23:00	23:59
57	RT	Software Limitation	PG&E	Fresno	24-Mar-11	0	No	INC	1	0:00	0:04
58	RT	Software Limitation	PG&E	Fresno	29-Mar-11	0	No	INC	2	5:30	6:59
59	RT	Software Limitation	PG&E	N/A	3-Mar-11	0	Yes	INC	2	17:25	18:59
60	RT	Software Limitation	PG&E	N/A	7-Mar-11	0	Yes	INC	8	0:00	7:29
61	RT	Software Limitation	PG&E	N/A	8-Mar-11	0	Yes	INC	2	22:10	23:44
62	RT	Software Limitation	PG&E	N/A	12-Mar-11	0	No	INC	1	23:08	23:58
63	RT	Software Limitation	PG&E	N/A	13-Mar-11	0	No	INC	1	1:00	1:19
64	RT	Software Limitation	PG&E	N/A	15-Mar-11	0	Yes	INC	2	22:20	23:59
65	RT	Software Limitation	PG&E	N/A	16-Mar-11	0	No	INC	10	0:00	9:19
66	RT	Software Limitation	PG&E	Stockton	26-Mar-11	22	Yes	INC	2	15:00	16:11
67	RT	Software Limitation	SCE	Big Creek-Ventura	26-Mar-11	54	Yes	INC	3	15:40	17:09
68	RT	Software Limitation	SCE	LA Basin	3-Mar-11	20	Yes	INC	24	0:00	23:59
69	RT	Software Limitation	SCE	LA Basin	4-Mar-11	20	Yes	INC	24	0:00	23:59
70	RT	Software Limitation	SCE	LA Basin	6-Mar-11	40	No	INC	4	20:00	23:59
71	RT	Software Limitation	SCE	LA Basin	7-Mar-11	40	Yes	INC	24	0:00	23:59
72	RT	Software Limitation	SCE	LA Basin	14-Mar-11	0	Yes	INC	1	10:30	10:59
73	RT	Software Limitation	SCE	LA Basin	20-Mar-11	0	Yes	INC	2	21:15	22:14
74	RT	Software Limitation	SCE	LA Basin	24-Mar-11	0	Yes	INC	1	23:30	23:59
75	RT	Software Limitation	SCE	LA Basin	29-Mar-11	159- 227	No	DEC	2	5:00	6:59
76	RT	Software Limitation	SCE	LA Basin	29-Mar-11	210	Yes	INC	1	23:10	23:59
77	RT	Software Limitation	SCE	LA Basin	30-Mar-11	210	Yes	INC	2	0:00	1:19

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
78	RT	Software Limitation	SDG&E	San Diego	2-Mar-11	0	No	INC	6	1:15	6:59
79	RT	Software Limitation	SDG&E	San Diego	5-Mar-11	45	Yes	INC	1	12:00	12:59
80	RT	Software Limitation	SDG&E	San Diego	7-Mar-11	0	Yes	INC	2	5:45	6:24
81	RT	Software Limitation	SDG&E	San Diego	8-Mar-11	20	Yes	INC	8	16:00	23:59
82	RT	Software Limitation	SDG&E	San Diego	9-Mar-11	20	Yes	INC	23	1:00	23:59
83	RT	Software Limitation	SDG&E	San Diego	18-Mar-11	229	No	DEC	2	22:45	23:29
84	RT	Software Limitation	SDG&E	San Diego	18-Mar-11	34	No	INC	2	22:45	23:29
85	RT	Software Limitation	SDG&E	San Diego	21-Mar-11	0	Yes	INC	2	10:35	11:39
86	RT	Software Limitation	SDG&E	San Diego	26-Mar-11	275	Yes	INC	10	7:50	16:34
87	RT	Software Limitation	SDG&E	San Diego	31-Mar-11	20	Yes	INC	1	23:00	23:59
88	RT	SP26 Capacity	SCE	LA Basin	2-Mar-11	45	No	DEC	15	9:00	23:59
89	RT	SP26 Capacity	SCE	LA Basin	2-Mar-11	20- 60	No	INC	24	0:00	23:59
90	RT	System Energy	N/A	N/A	5-Mar-11	291	Yes	INC	3	8:25	10:14
91	RT	System Energy	N/A	N/A	6-Mar-11	300- 850	Yes	INC	2	8:00	9:59
92	RT	System Energy	N/A	N/A	12-Mar-11	327	Yes	INC	1	17:00	17:59
93	RT	System Energy	N/A	N/A	17-Mar-11	375- 558	Yes	INC	4	12:00	15:59
94	RT	System Energy	N/A	N/A	18-Mar-11	479	Yes	INC	1	18:00	18:59
95	RT	System Energy	N/A	N/A	21-Mar-11	25	Yes	INC	2	21:00	22:59
96	RT	System Energy	N/A	N/A	27-Mar-11	100	Yes	INC	1	17:00	17:59
97	RT	System Energy	N/A	N/A	30-Mar-11	420	Yes	INC	1	2:00	2:59
98	RT	System Energy	PG&E	Bay Area	26-Mar-11	24	Yes	INC	1	15:00	15:39
99	RT	System Energy	PG&E	N/A	4-Mar-11	344	Yes	INC	3	17:17	19:59
100	RT	System Reliability	N/A	N/A	26-Mar-11	121	Yes	INC	3	15:35	17:09
101	RT	System Reliability	PG&E	Bay Area	11-Mar-11	253	No	INC	14	0:45	13:59
102	RT	System Reliability	PG&E	Fresno	9-Mar-11	83	No	INC	1	9:02	9:59
103	RT	System Reliability	PG&E	Fresno	26-Mar-11	83- 323	No	INC	2	14:52	15:59
104	RT	System Reliability	SCE	Big Creek- Ventura	26-Mar-11	65- 183	Yes	INC	2	14:53	15:59
105	RT	System Reliability	SCE	LA Basin	7-Mar-11	130	Yes	INC	19	5:00	23:59

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
106	RT	System Reliability	SCE	LA Basin	8-Mar-11	20	Yes	INC	8	16:00	23:59
107	RT	System Reliability	SCE	LA Basin	9-Mar-11	20	Yes	INC	23	1:00	23:59
108	RT	System Reliability	SDG&E	San Diego	7-Mar-11	155	Yes	INC	23	1:00	23:59
109	RT	System Reliability	SDG&E	San Diego	26-Mar-11	34- 133	No	INC	3	14:53	16:23
110	RT	T-129	PG&E	Fresno	3-Mar-11	10	No	DEC	14	8:22	21:59
111	RT	T-129	PG&E	Fresno	4-Mar-11	14	No	DEC	20	0:05	19:59
112	RT	T-129	PG&E	Fresno	5-Mar-11	14	No	DEC	16	8:46	23:59
113	RT	T-129	PG&E	Fresno	7-Mar-11	8- 10	No	DEC	11	8:12	18:59
114	RT	T-129	PG&E	Fresno	22-Mar-11	19	No	DEC	13	11:42	23:59
115	RT	T-129	PG&E	Fresno	23-Mar-11	11- 24	No	DEC	11	13:32	23:58
116	RT	T-129	PG&E	Fresno	24-Mar-11	8- 23	No	DEC	24	0:00	23:59
117	RT	T-129	PG&E	Fresno	25-Mar-11	1- 10	No	DEC	8	0:00	7:44
118	RT	T-132	SDG&E	San Diego	18-Mar-11	140- 468	Yes	INC	3	8:09	10:16
119	RT	T-133	PG&E	Bay Area	15-Mar-11	20	Yes	INC	2	11:50	12:59
120	RT	T-133	PG&E	Bay Area	20-Mar-11	50	Yes	INC	5	19:45	23:38
121	RT	T-138	N/A	N/A	11-Mar-11	9	No	INC	8	4:50	11:29
122	RT	T-138	N/A	N/A	20-Mar-11	13	Yes	INC	1	5:15	5:59
123	RT	T-138	N/A	N/A	21-Mar-11	13	Yes	INC	2	7:25	8:09
124	RT	T-138	PG&E	Humboldt	1-Mar-11	80	No	INC	1	23:30	23:58
125	RT	T-138	PG&E	Humboldt	2-Mar-11	80- 96	No	INC	16	0:00	15:06
126	RT	T-138	PG&E	Humboldt	11-Mar-11	4- 6	Yes	INC	6	4:30	9:59
127	RT	T-138	PG&E	Humboldt	13-Mar-11	29	No	INC	12	10:50	21:59
128	RT	T-138	PG&E	Humboldt	20-Mar-11	29- 116	No	INC	16	4:50	19:29
129	RT	T-138	PG&E	Humboldt	21-Mar-11	80- 114	No	INC	17	7:09	23:59
130	RT	T-138	PG&E	Humboldt	22-Mar-11	32- 114	No	INC	2	0:00	1:59
131	RT	T-138	PG&E	Humboldt	23-Mar-11	74	No	INC	2	22:23	23:59
132	RT	T-138	PG&E	Humboldt	24-Mar-11	74- 90	No	INC	22	0:00	21:59
133	RT	Transmission Outage Other	N/A	N/A	5-Mar-11	160	Yes	INC	17	7:00	23:59
134	RT	Transmission Outage Other	N/A	N/A	6-Mar-11	253	No	INC	11	7:00	17:59

Department of Market Services – California ISO

Num ber	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commit ment	INC_DEC	Hours	Begin Time	End Time
135	RT	Transmission Outage Other	PG&E	Bay Area	5-Mar-11	225	Yes	INC	17	7:00	23:59
136	RT	Transmission Outage Other	PG&E	Bay Area	6-Mar-11	180- 225	No	INC	24	0:00	23:59
137	RT	Transmission Outage Other	PG&E	Bay Area	7-Mar-11	45- 225	Yes	INC	2	0:00	1:59
138	RT	Transmission Outage Other	PG&E	Fresno	6-Mar-11	160- 320	No	INC	24	0:00	23:59
139	RT	Transmission Outage Other	PG&E	N/A	5-Mar-11	180	Yes	INC	17	7:00	23:59
140	RT	Transmission Outage Other	PG&E	N/A	6-Mar-11	180	No	INC	24	0:00	23:59
141	RT	Transmission Outage PG&E	N/A	N/A	10-Mar-11	0	No	INC	3	7:55	9:59
142	RT	Transmission Outage PG&E	PG&E	Bay Area	27-Mar-11	380	No	INC	1	15:00	15:19
143	RT	Transmission Outage PG&E	PG&E	Fresno	31-Mar-11	19	No	DEC	2	10:53	11:44
144	RT	Transmission Outage PG&E	PG&E	Stockton	14-Mar-11	10- 45	Yes	DEC	6	15:25	20:59
145	RT	Transmission Outage PG&E	PG&E	Stockton	14-Mar-11	0	Yes	INC	4	16:20	19:19
146	RT	Transmission Outage PG&E	PG&E	Stockton	15-Mar-11	5- 50	Yes	DEC	22	2:15	23:59
147	RT	Transmission Outage PG&E	PG&E	Stockton	15-Mar-11	5	Yes	INC	3	21:45	23:59
148	RT	Transmission Outage PG&E	PG&E	Stockton	16-Mar-11	5- 32	No	DEC	24	0:00	23:59
149	RT	Transmission Outage PG&E	PG&E	Stockton	16-Mar-11	45	No	INC	24	0:00	23:59
150	RT	Transmission Outage PG&E	PG&E	Stockton	17-Mar-11	5- 39	No	DEC	24	0:00	23:59
151	RT	Transmission Outage PG&E	PG&E	Stockton	17-Mar-11	15	No	INC	24	0:00	23:59
152	RT	Transmission Outage PG&E	PG&E	Stockton	19-Mar-11	10- 20	No	DEC	7	17:45	23:59
153	RT	Transmission Outage PG&E	PG&E	Stockton	19-Mar-11	6- 26	No	INC	6	16:15	21:59
154	RT	Transmission Outage PG&E	PG&E	Stockton	20-Mar-11	5- 30	No	DEC	21	0:00	20:59
155	RT	Transmission Outage PG&E	PG&E	Stockton	20-Mar-11	55	No	INC	21	0:30	20:59
156	RT	Transmission Outage PG&E	PG&E	Stockton	23-Mar-11	10- 30	No	DEC	23	1:25	23:59
157	RT	Transmission Outage PG&E	PG&E	Stockton	23-Mar-11	5- 10	No	INC	17	7:40	23:54
158	RT	Transmission Outage PG&E	PG&E	Stockton	24-Mar-11	2- 35	No	DEC	24	0:00	23:59
159	RT	Transmission Outage PG&E	PG&E	Stockton	24-Mar-11	3- 35	No	INC	22	0:00	21:59
160	RT	Transmission Outage PG&E	PG&E	Stockton	25-Mar-11	3- 35	No	DEC	24	0:00	23:59
161	RT	Transmission Outage PG&E	PG&E	Stockton	25-Mar-11	20	No	INC	24	0:00	23:59
162	RT	Transmission Outage PG&E	PG&E	Stockton	26-Mar-11	10	No	DEC	14	0:00	13:49
163	RT	Transmission Outage PG&E	PG&E	Stockton	26-Mar-11	72	No	INC	24	0:00	23:59

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Num ber	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commit ment	INC_DEC	Hours	Begin Time	End Time
164	RT	Transmission Outage PG&E	PG&E	Stockton	27-Mar-11	10- 20	No	DEC	24	0:10	23:59
165	RT	Transmission Outage PG&E	PG&E	Stockton	27-Mar-11	5- 90	No	INC	24	0:00	23:59
166	RT	Transmission Outage PG&E	PG&E	Stockton	28-Mar-11	5- 25	No	DEC	24	0:30	23:59
167	RT	Transmission Outage PG&E	PG&E	Stockton	28-Mar-11	2- 65	No	INC	24	0:00	23:59
168	RT	Transmission Outage PG&E	PG&E	Stockton	29-Mar-11	5- 29	No	DEC	24	0:00	23:59
169	RT	Transmission Outage PG&E	PG&E	Stockton	29-Mar-11	25	No	INC	24	0:00	23:59
170	RT	Transmission Outage PG&E	PG&E	Stockton	30-Mar-11	15- 25	Yes	DEC	24	0:00	23:59
171	RT	Transmission Outage PG&E	PG&E	Stockton	30-Mar-11	50	Yes	INC	24	0:00	23:59
172	RT	Transmission Outage PG&E	PG&E	Stockton	31-Mar-11	3- 30	Yes	DEC	24	0:00	23:59
173	RT	Transmission Outage PG&E	PG&E	Stockton	31-Mar-11	10- 45	Yes	INC	24	0:00	23:39
174	RT	Transmission Outage SCE	SCE	Big Creek- Ventura	14-Mar-11	8- 73	No	DEC	12	12:35	23:34
175	RT	Transmission Outage SCE	SCE	Big Creek- Ventura	14-Mar-11	19- 187	No	INC	11	13:00	23:34
176	RT	Transmission Outage SCE	SCE	Big Creek- Ventura	16-Mar-11	90- 323	No	DEC	10	12:50	21:59
177	RT	Transmission Outage SCE	SCE	Big Creek- Ventura	16-Mar-11	4- 55	No	INC	10	12:50	21:59
178	RT	Transmission Outage SCE	SCE	Big Creek- Ventura	18-Mar-11	14- 103	No	DEC	5	17:10	21:24
179	RT	Transmission Outage SCE	SCE	Big Creek- Ventura	19-Mar-11	12	No	DEC	3	19:40	21:59
180	RT	Transmission Outage SCE	SCE	LA Basin	20-Mar-11	630	No	INC	3	10:44	12:09
181	RT	Transmission Outage SCE	SDG&E	San Diego	16-Mar-11	45	Yes	INC	6	13:55	18:29
182	RT	Transmission Outage SDG&E	N/A	N/A	16-Mar-11	20	Yes	INC	7	14:45	20:14
183	RT	Transmission Outage SDG&E	N/A	N/A	17-Mar-11	20	No	INC	5	3:00	7:09
184	RT	Transmission Outage SDG&E	SCE	LA Basin	4-Mar-11	40	Yes	INC	24	0:00	23:59
185	RT	Transmission Outage SDG&E	SCE	LA Basin	20-Mar-11	20	Yes	INC	24	0:00	23:59
186	RT	Transmission Outage SDG&E	SDG&E	N/A	19-Mar-11	145	Yes	INC	1	2:00	2:59
187	RT	Transmission Outage SDG&E	SDG&E	San Diego	2-Mar-11	45	Yes	INC	4	6:55	9:14

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
188	RT	Transmission Outage SDG&E	SDG&E	San Diego	3-Mar-11	3	No	DEC	4	6:50	9:59
189	RT	Transmission Outage SDG&E	SDG&E	San Diego	3-Mar-11	45	No	INC	4	6:50	9:59
190	RT	Transmission Outage SDG&E	SDG&E	San Diego	5-Mar-11	23- 227	No	DEC	12	4:35	15:59
191	RT	Transmission Outage SDG&E	SDG&E	San Diego	5-Mar-11	7- 245	Yes	INC	20	4:12	23:59
192	RT	Transmission Outage SDG&E	SDG&E	San Diego	17-Mar-11	45	Yes	INC	10	9:00	18:44
193	RT	Transmission Outage SDG&E	SDG&E	San Diego	19-Mar-11	12- 40	No	INC	2	4:30	5:59
194	RT	Transmission Outage SDG&E	SDG&E	San Diego	27-Mar-11	256	Yes	INC	1	15:05	15:31
195	RT	Transmission Outage SDG&E	SDG&E	San Diego	28-Mar-11	18- 63	Yes	INC	10	9:06	18:14
196	RT	Transmission Outage SDG&E	SDG&E	San Diego	29-Mar-11	18	Yes	INC	10	9:55	18:29
197	RT	Transmission Outage SDG&E	SDG&E	San Diego	30-Mar-11	20	Yes	INC	8	16:35	23:59
198	RT	Transmission Outage SDG&E	SDG&E	San Diego	31-Mar-11	20	Yes	INC	2	0:00	1:59
199	RT	Unit Testing	PG&E	N/A	3-Mar-11	164- 424	Yes	INC	14	10:15	23:59
200	RT	Unit Testing	PG&E	N/A	4-Mar-11	350- 580	Yes	INC	14	5:45	18:59
201	RT	Unit Testing	PG&E	N/A	8-Mar-11	259	Yes	INC	6	17:45	22:09
202	RT	Unit Testing	PG&E	Stockton	9-Mar-11	60- 94	No	INC	6	9:20	14:13
203	RT	Unit Testing	SDG&E	N/A	23-Mar-11	230- 555	No	INC	2	9:06	10:53
204	RT	Unit Testing	SDG&E	San Diego	24-Mar-11	200	Yes	INC	1	20:50	20:54
205	RT	Unit Testing	SDG&E	San Diego	25-Mar-11	200	Yes	INC	6	0:00	5:59
206	RT	Voltage Support	PG&E	Fresno	27-Mar-11	0	No	INC	2	0:35	1:19
207	RT	Weather	SDG&E	San Diego	11-Mar-11	200	Yes	INC	17	7:30	23:59

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 13th day of May, 2011.

Anna Pascuzzo
Anna Pascuzzo