



California Independent
System Operator Corporation

December 15, 2010

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-____
October 2010 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 docket, 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 October 2010.

Respectfully submitted,

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Exceptional Dispatch Report

Table 1: October 2010

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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 October 2010.

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 operation 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 October 2010, 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-103, Southern California import transmission (SCIT) nomogram; (2) T-132, transmission facilities in San Diego and Imperial Valley area; (3) T-138, transmission facilities in Humboldt area; (4) T-165, transmission facilities in Palermo – Rio Oso Area; and (5) other transmission outages in PG&E, SCE and SDG&E area.

The following additional reasons for exceptional dispatch instructions in October 2010 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 October, 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

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 248 exceptional dispatches in October 2010, increasing by 51 compared with 197 such instances reported in the November 15, 2010 report. There were no exceptional dispatches in the day-ahead market. Therefore, real-time exceptional dispatches in October accounted for 100 percent of all exceptional dispatches categorized by date and reason. Exceptional dispatches issued for the following reasons accounted for approximately 61.3 percent of the total exceptional dispatches during the reporting period: Transmission Outage PG&E, Software Limitation, Path 26 Mitigation, and T-138.

On October 12, CalPeak Power - Enterprise LLC (ESCNDO_6_UNITB1) and CalPeak Power - Border LLC (BORDER_6_UNITA1) received exceptional dispatches in the real-time market, which resulted in designations of capacity under the Interim Capacity Procurement Mechanism (ICPM)⁴

⁴ Details of ICPM designations in the month of September are available in the report published at this link: <http://www.caiso.com/2851/2851e5213c380.pdf>.

Table 1: Exceptional Dispatches in October 2010

**California Independent System Operator Corporation
Exceptional Dispatch Report
December 15, 2010**

Chart 1: Table of Exceptional Dispatches for Period 01/October/2010 – 31/October/2010

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
1	RT	Bad Weather	SDG&E	N/A	3-Oct-10	75- 230	No	DEC	5	3:35	7:59
2	RT	Bad Weather	SDG&E	N/A	3-Oct-10	80	No	INC	5	3:35	7:59
3	RT	Bad Weather	SDG&E	San Diego	1-Oct-10	4- 48	Yes	INC	15	0:22	14:44
4	RT	Bad Weather	SDG&E	San Diego	3-Oct-10	68	Yes	INC	5	3:20	7:59
5	RT	Contingency	PG&E	Fresno	21-Oct-10	315	No	INC	1	11:09	11:15
6	RT	Fire	SDG&E	N/A	10-Oct-10	315- 316	Yes	DEC	2	14:04	15:04
7	RT	Force to Schedule	N/A	N/A	10-Oct-10	1	No	INC	1	4:30	4:59
8	RT	G-206	SDG&E	San Diego	15-Oct-10	20	Yes	INC	22	2:00	23:59
9	RT	G-206	SDG&E	San Diego	16-Oct-10	20	Yes	INC	16	0:00	15:59
10	RT	G-206	SDG&E	San Diego	20-Oct-10	20	Yes	INC	24	0:00	23:59
11	RT	G-206	SDG&E	San Diego	21-Oct-10	20	Yes	INC	24	0:00	23:59
12	RT	Generation Outage SP26	SDG&E	San Diego	19-Oct-10	20	Yes	INC	24	0:00	23:59
13	RT	Intertie Emergency Assistance	N/A	N/A	12-Oct-10	100	No	INC	1	21:08	21:59
14	RT	Intertie Emergency Assistance	N/A	N/A	19-Oct-10	150	No	INC	2	17:45	18:59
15	RT	Intertie Emergency Assistance	N/A	N/A	20-Oct-10	160	No	INC	1	12:13	12:59
16	RT	Intertie Emergency Assistance	N/A	N/A	30-Oct-10	100- 150	No	INC	2	5:35	6:59
17	RT	Market Disruption	N/A	N/A	15-Oct-10	394	No	DEC	1	17:00	17:59
18	RT	Market Disruption	N/A	N/A	15-Oct-10	32	Yes	INC	1	17:00	17:59
19	RT	Market Disruption	N/A	N/A	24-Oct-10	100	No	DEC	1	7:00	7:59
20	RT	Market Disruption	N/A	N/A	31-Oct-10	827	No	DEC	1	21:00	21:59
21	RT	Market Disruption	N/A	N/A	31-Oct-10	101	No	INC	1	21:00	21:59

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
22	RT	Market Disruption	PG&E	Fresno	9-Oct-10	308	No	DEC	3	7:35	9:34
23	RT	Over Generation	PG&E	Bay Area	10-Oct-10	0	Yes	INC	2	14:48	15:59
24	RT	Path 15 Mitigation	PG&E	N/A	16-Oct-10	140	Yes	INC	11	1:00	11:59
25	RT	Path 26 Mitigation	N/A	N/A	1-Oct-10	196	No	INC	1	14:08	14:21
26	RT	Path 26 Mitigation	N/A	N/A	12-Oct-10	50	No	DEC	1	11:26	11:58
27	RT	Path 26 Mitigation	N/A	N/A	12-Oct-10	148	No	INC	3	11:25	13:37
28	RT	Path 26 Mitigation	PG&E	Fresno	1-Oct-10	153	No	DEC	1	14:03	14:22
29	RT	Path 26 Mitigation	PG&E	Fresno	12-Oct-10	144- 227	No	DEC	2	12:48	13:39
30	RT	Path 26 Mitigation	PG&E	N/A	1-Oct-10	397	No	DEC	1	14:04	14:15
31	RT	Path 26 Mitigation	PG&E	Sierra	12-Oct-10	10- 103	Yes	DEC	10	12:48	21:59
32	RT	Path 26 Mitigation	SCE	Big Creek-Ventura	1-Oct-10	481	Yes	INC	5	13:55	17:49
33	RT	Path 26 Mitigation	SCE	Big Creek-Ventura	12-Oct-10	54- 369	Yes	INC	5	11:25	15:20
34	RT	Path 26 Mitigation	SCE	LA Basin	1-Oct-10	873	Yes	INC	5	13:55	17:49
35	RT	Path 26 Mitigation	SCE	LA Basin	10-Oct-10	130- 260	Yes	INC	4	14:12	17:14
36	RT	Path 26 Mitigation	SCE	LA Basin	12-Oct-10	45- 703	Yes	INC	24	0:00	23:59
37	RT	Path 26 Mitigation	SCE	LA Basin	13-Oct-10	25	Yes	INC	24	0:00	23:59
38	RT	Path 26 Mitigation	SDG&E	N/A	1-Oct-10	91- 96	Yes	INC	2	13:55	14:28
39	RT	Path 26 Mitigation	SDG&E	San Diego	1-Oct-10	6	Yes	DEC	2	13:55	14:28
40	RT	Path 26 Mitigation	SDG&E	San Diego	1-Oct-10	244	Yes	INC	4	13:55	16:19
41	RT	Path 26 Mitigation	SDG&E	San Diego	12-Oct-10	1	No	DEC	2	12:35	13:39
42	RT	Path 26 Mitigation ⁵	SDG&E	San Diego	12-Oct-10	329- 436	Yes	INC	5	11:20	15:59
43	RT	Path 66 Mitigation	N/A	N/A	1-Oct-10	37- 50	No	INC	11	10:05	20:59
44	RT	Ramp Rate	PG&E	N/A	14-Oct-10	6- 350	No	DEC	14	7:45	20:59

⁵ In accordance with Section 43.1.5.2.2 of the CAISO Tariff, CalPeak Power - Enterprise LLC (ESCND0_6_UNITB1) was designated for 0.5 megawatts with an estimated cost of \$1,945 and CalPeak Power - Border LLC (BORDER_6_UNITA1) is designated for 0.2 megawatts with an estimated cost of \$778, based on 100% availability.

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
45	RT	Ramp Rate	PG&E	N/A	14-Oct-10	140- 278	No	INC	14	7:45	20:59
46	RT	Ramp Rate	SCE	LA Basin	12-Oct-10	71	Yes	INC	1	13:00	13:09
47	RT	Ramp Rate	SCE	LA Basin	22-Oct-10	150	Yes	INC	2	17:00	18:59
48	RT	Ramp Rate	SCE	LA Basin	26-Oct-10	142	No	DEC	4	16:20	19:59
49	RT	Ramp Rate	SDG&E	San Diego	15-Oct-10	68	Yes	INC	10	11:45	20:59
50	RT	Ramp Rate	SDG&E	San Diego	16-Oct-10	68	Yes	INC	8	13:20	20:59
51	RT	Ramp Rate	SDG&E	San Diego	17-Oct-10	68	Yes	INC	11	10:15	20:59
52	RT	Ramp Rate	SDG&E	San Diego	19-Oct-10	68	Yes	INC	4	18:35	21:59
53	RT	Ramp Rate	SDG&E	San Diego	20-Oct-10	68	Yes	INC	4	17:50	20:59
54	RT	Ramp Rate	SDG&E	San Diego	21-Oct-10	68	Yes	INC	13	9:50	21:59
55	RT	Ramp Rate	SDG&E	San Diego	26-Oct-10	81- 261	Yes	DEC	8	12:20	19:59
56	RT	Ramp Rate	SDG&E	San Diego	26-Oct-10	1	Yes	INC	8	12:20	19:59
57	RT	Ramp Rate	SDG&E	San Diego	29-Oct-10	173- 262	Yes	DEC	7	4:15	10:59
58	RT	Ramp Rate	SDG&E	San Diego	29-Oct-10	48	Yes	INC	7	4:15	10:59
59	RT	Risk Prediction	SCE	LA Basin	4-Oct-10	20	Yes	INC	24	0:00	23:59
60	RT	SCE Mitigation	SCE	Big Creek-Ventura	1-Oct-10	103- 210	No	INC	10	12:15	21:39
61	RT	SCE Mitigation	SCE	Big Creek-Ventura	3-Oct-10	20- 70	No	DEC	6	14:10	19:59
62	RT	SCE Mitigation	SCE	Big Creek-Ventura	3-Oct-10	100	No	INC	5	14:10	18:44
63	RT	Software Limitation	N/A	N/A	10-Oct-10	0	Yes	INC	2	9:20	10:59
64	RT	Software Limitation	N/A	N/A	21-Oct-10	45	Yes	INC	11	9:45	19:59
65	RT	Software Limitation	PG&E	Fresno	1-Oct-10	0	Yes	INC	24	0:00	23:59
66	RT	Software Limitation	PG&E	Fresno	2-Oct-10	0	No	INC	24	0:00	23:59
67	RT	Software Limitation	PG&E	Fresno	3-Oct-10	0	No	INC	24	0:00	23:59
68	RT	Software Limitation	PG&E	Fresno	4-Oct-10	0	No	INC	24	0:00	23:59
69	RT	Software Limitation	PG&E	Fresno	5-Oct-10	0	No	INC	24	0:00	23:59
70	RT	Software Limitation	PG&E	Fresno	6-Oct-10	0	No	INC	24	0:00	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
71	RT	Software Limitation	PG&E	Fresno	7-Oct-10	0	No	INC	24	0:00	23:59
72	RT	Software Limitation	PG&E	Fresno	8-Oct-10	0	No	INC	24	0:00	23:59
73	RT	Software Limitation	PG&E	Fresno	9-Oct-10	0	No	INC	24	0:00	23:59
74	RT	Software Limitation	PG&E	Fresno	10-Oct-10	0	No	INC	24	0:00	23:59
75	RT	Software Limitation	PG&E	Fresno	11-Oct-10	0	No	INC	24	0:00	23:59
76	RT	Software Limitation	PG&E	Fresno	12-Oct-10	0	No	INC	24	0:00	23:59
77	RT	Software Limitation	PG&E	Fresno	13-Oct-10	0	No	INC	24	0:00	23:59
78	RT	Software Limitation	PG&E	Fresno	14-Oct-10	0	No	INC	24	0:00	23:59
79	RT	Software Limitation	PG&E	Fresno	15-Oct-10	0	No	INC	24	0:00	23:59
80	RT	Software Limitation	PG&E	Fresno	16-Oct-10	0	No	INC	24	0:00	23:59
81	RT	Software Limitation	PG&E	Fresno	17-Oct-10	0	No	INC	24	0:00	23:59
82	RT	Software Limitation	PG&E	Fresno	18-Oct-10	0	No	INC	24	0:00	23:59
83	RT	Software Limitation	PG&E	Fresno	19-Oct-10	0	No	INC	24	0:00	23:59
84	RT	Software Limitation	PG&E	Fresno	20-Oct-10	0	No	INC	24	0:00	23:59
85	RT	Software Limitation	PG&E	Fresno	21-Oct-10	308	Yes	INC	24	0:00	23:59
86	RT	Software Limitation	PG&E	Fresno	22-Oct-10	0	No	INC	24	0:00	23:59
87	RT	Software Limitation	PG&E	Fresno	23-Oct-10	0	No	INC	24	0:00	23:59
88	RT	Software Limitation	PG&E	Fresno	24-Oct-10	0	No	INC	24	0:00	23:59
89	RT	Software Limitation	PG&E	Fresno	26-Oct-10	0	No	INC	24	0:00	23:59
90	RT	Software Limitation	PG&E	Fresno	27-Oct-10	0	No	INC	24	0:00	23:59
91	RT	Software Limitation	PG&E	Fresno	28-Oct-10	0	No	INC	24	0:00	23:59
92	RT	Software Limitation	PG&E	Fresno	29-Oct-10	0	No	INC	24	0:00	23:59
93	RT	Software Limitation	PG&E	Fresno	30-Oct-10	180- 190	Yes	DEC	2	0:00	1:19
94	RT	Software Limitation	PG&E	Fresno	30-Oct-10	0	No	INC	24	0:00	23:59
95	RT	Software Limitation	PG&E	Fresno	31-Oct-10	0	No	INC	24	0:00	23:59
96	RT	Software Limitation	PG&E	N/A	10-Oct-10	2	No	DEC	9	15:56	23:59
97	RT	Software Limitation	PG&E	N/A	10-Oct-10	48- 59	No	INC	9	15:56	23:59
98	RT	Software Limitation	PG&E	N/A	15-Oct-10	52	Yes	INC	2	22:00	23:59
99	RT	Software Limitation	PG&E	Sierra	25-Oct-10	75	No	DEC	4	6:10	9:59

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
100	RT	Software Limitation	PG&E	Sierra	30-Oct-10	0	Yes	INC	3	15:00	17:29
101	RT	Software Limitation	SCE	Big Creek-Ventura	1-Oct-10	0	Yes	INC	1	19:00	19:29
102	RT	Software Limitation	SCE	Big Creek-Ventura	12-Oct-10	0	Yes	INC	2	15:20	16:49
103	RT	Software Limitation	SCE	Big Creek-Ventura	14-Oct-10	60	No	INC	2	7:10	8:44
104	RT	Software Limitation	SCE	LA Basin	5-Oct-10	0	No	INC	5	0:10	4:09
105	RT	Software Limitation	SCE	LA Basin	11-Oct-10	70- 719	Yes	DEC	24	0:00	23:59
106	RT	Software Limitation	SCE	LA Basin	11-Oct-10	70	Yes	INC	24	0:00	23:59
107	RT	Software Limitation	SCE	LA Basin	15-Oct-10	140	Yes	INC	2	22:00	23:59
108	RT	Software Limitation	SCE	LA Basin	20-Oct-10	70	Yes	INC	1	23:00	23:59
109	RT	Software Limitation	SCE	LA Basin	21-Oct-10	0	No	INC	3	21:20	23:59
110	RT	Software Limitation	SCE	LA Basin	22-Oct-10	0	Yes	INC	3	0:00	2:19
111	RT	Software Limitation	SCE	LA Basin	31-Oct-10	20	Yes	INC	20	4:00	23:59
112	RT	Software Limitation	SDG&E	San Diego	1-Oct-10	29	Yes	INC	3	14:00	16:34
113	RT	Software Limitation	SDG&E	San Diego	2-Oct-10	0	Yes	INC	8	1:05	8:54
114	RT	Software Limitation	SDG&E	San Diego	12-Oct-10	0	Yes	INC	3	16:17	18:49
115	RT	Software Limitation	SDG&E	San Diego	28-Oct-10	90	Yes	INC	1	7:05	7:44
116	RT	Software Limitation	SDG&E	San Diego	29-Oct-10	20	Yes	INC	3	21:00	23:59
117	RT	System Energy	N/A	N/A	10-Oct-10	431	No	INC	1	18:00	18:59
118	RT	System Energy	N/A	N/A	12-Oct-10	50	No	INC	1	13:00	13:59
119	RT	System Energy	N/A	N/A	20-Oct-10	100	No	DEC	1	18:00	18:59
120	RT	System Energy	N/A	N/A	20-Oct-10	200	No	INC	1	18:00	18:59
121	RT	System Reliability	N/A	N/A	7-Oct-10	25	No	DEC	4	17:50	20:59
122	RT	System Reliability	N/A	N/A	7-Oct-10	50	No	INC	16	7:00	22:59
123	RT	System Reliability	N/A	N/A	13-Oct-10	0	No	INC	1	19:15	19:59
124	RT	System Reliability	N/A	N/A	16-Oct-10	100	No	DEC	2	11:28	12:59
125	RT	System Reliability	N/A	N/A	16-Oct-10	0	No	INC	2	10:51	11:27

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
126	RT	T-103	SCE	Big Creek-Ventura	3-Oct-10	20	Yes	INC	17	7:00	23:59
127	RT	T-103	SCE	LA Basin	1-Oct-10	60- 85	Yes	INC	24	0:00	23:59
128	RT	T-103	SCE	LA Basin	2-Oct-10	20	Yes	INC	24	0:00	23:59
129	RT	T-103	SCE	LA Basin	3-Oct-10	70- 110	Yes	INC	22	2:00	23:59
130	RT	T-103	SCE	LA Basin	15-Oct-10	65	Yes	INC	24	0:00	23:59
131	RT	T-103	SCE	LA Basin	16-Oct-10	90	Yes	INC	24	0:00	23:59
132	RT	T-103	SCE	LA Basin	17-Oct-10	90	Yes	INC	24	0:00	23:59
133	RT	T-103	SCE	LA Basin	18-Oct-10	70	Yes	INC	24	0:00	23:59
134	RT	T-103	SCE	LA Basin	21-Oct-10	70	Yes	INC	24	0:00	23:59
135	RT	T-103	SCE	LA Basin	22-Oct-10	70	Yes	INC	24	0:00	23:59
136	RT	T-103	SDG&E	San Diego	3-Oct-10	20	Yes	INC	21	3:00	23:59
137	RT	T-103	SDG&E	San Diego	16-Oct-10	20	Yes	INC	9	15:45	23:59
138	RT	T-103	SDG&E	San Diego	17-Oct-10	20	Yes	INC	24	0:00	23:59
139	RT	T-103	SDG&E	San Diego	18-Oct-10	20	Yes	INC	24	0:00	23:59
140	RT	T-103	SDG&E	San Diego	22-Oct-10	20	Yes	INC	24	0:00	23:59
141	RT	T-132	N/A	N/A	30-Oct-10	70- 90	Yes	INC	2	18:20	19:24
142	RT	T-132	SDG&E	San Diego	30-Oct-10	90	Yes	INC	3	18:20	20:59
143	RT	T-138	N/A	N/A	5-Oct-10	39	No	INC	3	15:15	17:19
144	RT	T-138	N/A	N/A	15-Oct-10	9- 15	No	INC	2	21:24	22:59
145	RT	T-138	N/A	N/A	21-Oct-10	1- 10	No	DEC	11	10:10	20:59
146	RT	T-138	N/A	N/A	21-Oct-10	9- 17	No	INC	9	10:10	18:39
147	RT	T-138	N/A	N/A	22-Oct-10	0- 33	No	DEC	17	7:40	23:59
148	RT	T-138	N/A	N/A	22-Oct-10	3- 20	No	INC	22	2:00	23:19
149	RT	T-138	N/A	N/A	23-Oct-10	8	No	DEC	4	20:45	23:59
150	RT	T-138	N/A	N/A	23-Oct-10	5- 38	No	INC	4	20:45	23:59
151	RT	T-138	N/A	N/A	24-Oct-10	38	No	INC	11	0:00	10:59
152	RT	T-138	N/A	N/A	28-Oct-10	1- 8	No	DEC	5	18:24	22:59
153	RT	T-138	N/A	N/A	28-Oct-10	9	No	INC	5	18:24	22:59

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
154	RT	T-138	N/A	N/A	29-Oct-10	8- 18	No	DEC	4	10:10	13:29
155	RT	T-138	N/A	N/A	29-Oct-10	9	No	INC	4	10:30	13:29
156	RT	T-138	N/A	N/A	30-Oct-10	0- 8	No	DEC	12	9:00	20:59
157	RT	T-138	N/A	N/A	30-Oct-10	16	No	INC	12	9:45	20:59
158	RT	T-138	N/A	N/A	31-Oct-10	1- 17	No	DEC	3	16:25	18:59
159	RT	T-138	N/A	N/A	31-Oct-10	7	No	INC	3	16:25	18:59
160	RT	T-165	N/A	N/A	14-Oct-10	100- 150	Yes	INC	2	12:50	13:19
161	RT	Thermal Margin	SCE	LA Basin	14-Oct-10	25	Yes	INC	24	0:00	23:59
162	RT	Transmission Outage PG&E	N/A	N/A	14-Oct-10	8- 15	Yes	DEC	7	13:00	19:59
163	RT	Transmission Outage PG&E	N/A	N/A	15-Oct-10	4	No	DEC	5	7:50	11:59
164	RT	Transmission Outage PG&E	N/A	N/A	15-Oct-10	5- 29	No	INC	5	7:15	11:59
165	RT	Transmission Outage PG&E	PG&E	Bay Area	12-Oct-10	40- 100	No	INC	7	8:55	14:19
166	RT	Transmission Outage PG&E	PG&E	Bay Area	14-Oct-10	10- 60	No	INC	4	13:50	16:59
167	RT	Transmission Outage PG&E	PG&E	Fresno	5-Oct-10	0	No	INC	5	1:45	5:09
168	RT	Transmission Outage PG&E	PG&E	Fresno	6-Oct-10	308	Yes	INC	5	2:00	6:59
169	RT	Transmission Outage PG&E	PG&E	Fresno	21-Oct-10	1	Yes	DEC	4	12:35	15:59
170	RT	Transmission Outage PG&E	PG&E	Fresno	29-Oct-10	0	No	INC	4	4:05	7:59
171	RT	Transmission Outage PG&E	PG&E	N/A	1-Oct-10	40	No	DEC	10	12:00	21:59
172	RT	Transmission Outage PG&E	PG&E	N/A	3-Oct-10	40	No	DEC	4	13:25	16:04
173	RT	Transmission Outage PG&E	PG&E	N/A	4-Oct-10	67	No	DEC	10	11:25	20:59
174	RT	Transmission Outage PG&E	PG&E	N/A	5-Oct-10	32- 321	Yes	DEC	20	2:00	21:29
175	RT	Transmission Outage PG&E	PG&E	N/A	5-Oct-10	50	Yes	INC	18	4:35	21:29
176	RT	Transmission Outage PG&E	PG&E	N/A	6-Oct-10	39- 197	Yes	DEC	13	10:00	22:59
177	RT	Transmission Outage PG&E	PG&E	N/A	6-Oct-10	12- 262	Yes	INC	13	10:00	22:59
178	RT	Transmission Outage PG&E	PG&E	N/A	7-Oct-10	20- 34	No	DEC	11	11:28	21:44
179	RT	Transmission Outage PG&E	PG&E	N/A	7-Oct-10	10	No	INC	4	18:00	21:44
180	RT	Transmission Outage PG&E	PG&E	N/A	9-Oct-10	15	No	DEC	9	13:25	21:04
181	RT	Transmission Outage PG&E	PG&E	N/A	10-Oct-10	5- 55	No	DEC	3	14:10	16:24
182	RT	Transmission Outage PG&E	PG&E	N/A	11-Oct-10	7- 17	No	DEC	5	12:27	16:09

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Num ber	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commit ment	INC_DEC	Ho urs	Begin Time	End Time
183	RT	Transmission Outage PG&E	PG&E	N/A	13-Oct-10	19- 48	No	DEC	8	11:08	18:59
184	RT	Transmission Outage PG&E	PG&E	N/A	14-Oct-10	30- 64	No	DEC	12	10:18	21:59
185	RT	Transmission Outage PG&E	PG&E	N/A	15-Oct-10	30- 49	No	DEC	3	6:30	8:54
186	RT	Transmission Outage PG&E	PG&E	N/A	15-Oct-10	8	No	INC	3	6:55	8:19
187	RT	Transmission Outage PG&E	PG&E	N/A	27-Oct-10	160	Yes	DEC	5	7:27	11:14
188	RT	Transmission Outage PG&E	PG&E	N/A	28-Oct-10	160	Yes	DEC	2	7:08	8:59
189	RT	Transmission Outage PG&E	PG&E	Sierra	1-Oct-10	20- 45	Yes	INC	3	7:45	9:59
190	RT	Transmission Outage PG&E	PG&E	Sierra	3-Oct-10	43- 128	Yes	DEC	9	12:40	20:59
191	RT	Transmission Outage PG&E	PG&E	Sierra	4-Oct-10	31- 41	Yes	DEC	11	11:25	21:04
192	RT	Transmission Outage PG&E	PG&E	Sierra	4-Oct-10	57	Yes	INC	3	19:00	21:04
193	RT	Transmission Outage PG&E	PG&E	Sierra	5-Oct-10	28	Yes	DEC	11	11:45	21:29
194	RT	Transmission Outage PG&E	PG&E	Sierra	5-Oct-10	70	Yes	INC	11	11:45	21:29
195	RT	Transmission Outage PG&E	PG&E	Sierra	7-Oct-10	50- 100	No	DEC	10	12:10	21:34
196	RT	Transmission Outage PG&E	PG&E	Sierra	7-Oct-10	40	No	INC	3	19:40	21:34
197	RT	Transmission Outage PG&E	PG&E	Sierra	8-Oct-10	50- 70	No	DEC	11	11:25	21:59
198	RT	Transmission Outage PG&E	PG&E	Sierra	10-Oct-10	20- 50	No	DEC	7	14:35	20:34
199	RT	Transmission Outage PG&E	PG&E	Sierra	10-Oct-10	0	Yes	INC	7	14:48	20:34
200	RT	Transmission Outage PG&E	PG&E	Sierra	11-Oct-10	30- 133	Yes	DEC	10	12:27	21:19
201	RT	Transmission Outage PG&E	PG&E	Sierra	11-Oct-10	0	Yes	INC	9	13:25	21:59
202	RT	Transmission Outage PG&E	PG&E	Sierra	12-Oct-10	5- 65	Yes	DEC	11	10:50	20:34
203	RT	Transmission Outage PG&E	PG&E	Sierra	13-Oct-10	60- 130	No	DEC	12	10:00	21:59
204	RT	Transmission Outage PG&E	PG&E	Sierra	13-Oct-10	49	No	INC	1	22:00	22:29
205	RT	Transmission Outage PG&E	PG&E	Sierra	14-Oct-10	20- 70	Yes	DEC	10	12:34	21:59
206	RT	Transmission Outage PG&E	PG&E	Sierra	14-Oct-10	0	No	INC	10	12:46	21:59
207	RT	Transmission Outage PG&E	PG&E	Sierra	15-Oct-10	116- 130	Yes	DEC	2	21:35	22:59
208	RT	Transmission Outage PG&E	PG&E	Sierra	17-Oct-10	28- 98	Yes	DEC	10	12:15	21:59
209	RT	Transmission Outage PG&E	PG&E	Sierra	18-Oct-10	5- 94	No	DEC	12	10:12	21:59
210	RT	Transmission Outage PG&E	PG&E	Sierra	18-Oct-10	30	No	INC	1	22:00	22:14
211	RT	Transmission Outage PG&E	PG&E	Sierra	19-Oct-10	25- 60	No	DEC	12	10:15	21:59

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
212	RT	Transmission Outage PG&E	PG&E	Sierra	20-Oct-10	10- 70	No	DEC	7	8:35	14:44
213	RT	Transmission Outage PG&E	PG&E	Sierra	20-Oct-10	75	No	INC	9	14:45	22:59
214	RT	Transmission Outage PG&E	PG&E	Sierra	21-Oct-10	25	No	DEC	7	15:00	21:09
215	RT	Transmission Outage PG&E	PG&E	Sierra	21-Oct-10	15- 40	No	INC	8	15:00	22:59
216	RT	Transmission Outage PG&E	PG&E	Sierra	22-Oct-10	18- 43	Yes	DEC	12	6:50	17:29
217	RT	Transmission Outage PG&E	PG&E	Sierra	22-Oct-10	10- 65	No	INC	14	8:40	21:59
218	RT	Transmission Outage PG&E	PG&E	Sierra	24-Oct-10	25- 85	No	DEC	3	18:38	20:59
219	RT	Transmission Outage PG&E	PG&E	Sierra	26-Oct-10	20- 45	No	DEC	4	18:40	21:04
220	RT	Transmission Outage PG&E	PG&E	Sierra	26-Oct-10	25	No	INC	2	21:05	22:59
221	RT	Transmission Outage PG&E	PG&E	Sierra	28-Oct-10	25- 70	No	DEC	15	7:29	21:59
222	RT	Transmission Outage PG&E	PG&E	Sierra	28-Oct-10	15	No	INC	2	20:15	21:59
223	RT	Transmission Outage PG&E	PG&E	Sierra	31-Oct-10	30	No	DEC	2	22:15	23:59
224	RT	Transmission Outage PG&E	PG&E	Sierra	31-Oct-10	2	No	INC	2	22:15	23:59
225	RT	Transmission Outage SCE	PG&E	N/A	15-Oct-10	15- 75	No	DEC	4	6:30	9:54
226	RT	Transmission Outage SCE	PG&E	N/A	15-Oct-10	20	No	INC	13	8:20	20:59
227	RT	Transmission Outage SCE	PG&E	Sierra	15-Oct-10	100- 135	Yes	DEC	9	13:35	21:34
228	RT	Transmission Outage SCE	PG&E	Sierra	15-Oct-10	10- 60	Yes	INC	11	7:00	17:19
229	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	12-Oct-10	50- 71	No	INC	4	17:30	20:59
230	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	13-Oct-10	35- 85	No	INC	7	14:10	20:59
231	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	14-Oct-10	3- 25	No	DEC	3	18:55	20:44
232	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	14-Oct-10	15- 78	No	INC	7	14:45	20:44
233	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	15-Oct-10	15- 75	Yes	INC	6	15:10	20:09
234	RT	Transmission Outage SCE	SCE	LA Basin	4-Oct-10	20	Yes	INC	16	8:00	23:59
235	RT	Transmission Outage SCE	SCE	LA Basin	30-Oct-10	20	Yes	INC	6	17:55	22:54
236	RT	Transmission Outage SCE	SCE	N/A	26-Oct-10	30- 108	No	DEC	12	5:50	16:59

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Num ber	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commit ment	INC_DEC	Ho urs	Begin Time	End Time
237	RT	Transmission Outage SCE	SCE	N/A	29-Oct-10	17	Yes	INC	7	4:00	10:59
238	RT	Transmission Outage SDG&E	SDG&E	San Diego	11-Oct-10	74	No	DEC	3	13:45	15:24
239	RT	Transmission Outage SDG&E	SDG&E	San Diego	26-Oct-10	20	Yes	INC	2	22:00	23:59
240	RT	Transmission Outage SDG&E	SDG&E	San Diego	27-Oct-10	20	Yes	INC	2	22:00	23:59
241	RT	Transmission Outage SDG&E	SDG&E	San Diego	28-Oct-10	20	Yes	INC	2	22:00	23:59
242	RT	Unit Testing	PG&E	Bay Area	10-Oct-10	31- 47	Yes	INC	2	13:53	14:09
243	RT	Unit Testing	PG&E	Bay Area	11-Oct-10	31- 145	Yes	INC	2	13:23	14:09
244	RT	Unit Testing	PG&E	Fresno	27-Oct-10	100	No	INC	1	16:00	16:10
245	RT	Unit Testing	PG&E	N/A	10-Oct-10	21- 47	Yes	INC	1	14:38	14:48
246	RT	Unit Testing	PG&E	Sierra	13-Oct-10	40- 94	Yes	INC	2	8:58	9:17
247	RT	Unit Testing	SCE	LA Basin	11-Oct-10	64- 65	Yes	INC	3	8:15	10:54
248	RT	Unit Testing	SCE	LA Basin	26-Oct-10	17	No	INC	1	9:07	9:10

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-206. 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 December, 2010.

Anna Pascuzzo
Anna Pascuzzo