



California Independent
System Operator Corporation

October 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-____
August 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 August 2010.

Respectfully submitted,

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Exceptional Dispatch Report

Table 1: August 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 August 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 August 2010, the ISO issued exceptional dispatches for the following local area generation requirements: (1) G-206, San Diego area generation requirements; (2) G-217, South of Lugo generation requirements; and (3) G-219, SCE 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-120, Adverse Operating Conditions of Critical 500 and 230 kV Transmission Facilities; (3) T-129, transmission facilities in Fresno area; (4) T-132, transmission facilities in San Diego and Imperial Valley area; (5) T-135, Lugo-Victorville 500 kV Line and Sylmar Transformer Banks Operation; (6) T-138, transmission facilities in Humboldt area; (7) T-151, North Geysers Area 115 kV Lines; (8) T-154, Drum area; (9) T-170, Mirage-Tamarisk and Mirage-Concho 115 kV lines; and (10) other transmission outages in PG&E, SCE and SDG&E area.

The following additional reasons for exceptional dispatch instructions in August 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 August, 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;

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.

(2) the location of the resource by Participating Transmission Owner (“PTO”) service area; (3) the Local Reliability Area (“LRA”) where applicable; (4) the market in which the exceptional dispatch occurred (day-ahead vs. real-time); and (5) the date of the exceptional dispatch. For each classification the following information is provided: (1) Megawatts (MW); (2) Commitment (3) Inc or Dec (4) Hours; (5) Begin Time; and (6) End Time.

The MW column shows the range of exceptional dispatch instructions in MW for the classification. The Commitment column specifies if there was a unit commitment for the classification. The INC/DEC/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 201 exceptional dispatches in August 2010, decreasing by 75 compared with 276 such instances reported in the September 15, 2010 report. Real-time exceptional dispatches in August accounted for approximately 98.5 percent of all exceptional dispatches categorized by date and reason. Exceptional dispatches issued for the following reasons accounted for approximately 62 percent of the total exceptional dispatches during the reporting period: Software Limitation, T-132, System Energy, and T-129. In day-ahead market, there were three exceptional dispatches issued for System Energy and SP26 capacity. In real-time market, approximately 62 percent of the exceptional dispatches were issued for Software Limitation, T-132, System Energy, and T-129.

Table 1: Exceptional Dispatches in August 2010

California Independent System Operator Corporation Exceptional Dispatch Report October 15, 2010											
Chart 1: Table of Exceptional Dispatches for Period 01/August/2010 – 31/August/2010											
Num ber	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commit ment	INC_DEC	Hours	Begin Time	End Time
1	DA	System Energy	SCE	LA Basin	22-Aug-10	130	Yes	N/A	24	0:00	23:00
2	DA	SP26 Capacity	SCE	Big Creek- Ventura	23-Aug-10	50	Yes	N/A	20	4:00	23:00
3	DA	System Energy	PG&E	N/A	23-Aug-10	52	Yes	N/A	16	8:00	23:00
4	RT	Generation Outage	PG&E	Bay Area	20-Aug-10	15- 35	No	INC	2	19:50	20:19
5	RT	Generation Outage	PG&E	Fresno	18-Aug-10	234- 642	No	INC	2	15:50	16:06
6	RT	Generation Outage	PG&E	Sierra	7-Aug-10	20	Yes	INC	5	16:37	20:59
7	RT	Intertie Emergency Assistance	N/A	N/A	1-Aug-10	100- 408	No	INC	3	4:30	6:59
8	RT	Intertie Emergency Assistance	N/A	N/A	16-Aug-10	140	No	INC	1	8:00	8:59
9	RT	Intertie Emergency Assistance	N/A	N/A	18-Aug-10	160	No	INC	1	18:08	18:59
10	RT	Market Disruption	N/A	N/A	1-Aug-10	125	Yes	INC	1	6:00	6:59
11	RT	Market Disruption	N/A	N/A	8-Aug-10	319	No	DEC	1	14:00	14:59
12	RT	Market Disruption	N/A	N/A	8-Aug-10	280	Yes	INC	1	14:00	14:59
13	RT	Market Disruption	N/A	N/A	29-Aug-10	20- 50	Yes	INC	5	19:00	23:59
14	RT	Market Disruption	N/A	N/A	30-Aug-10	15	Yes	INC	1	0:00	0:59
15	RT	Market Disruption	SCE	Big Creek- Ventura	7-Aug-10	0	Yes	INC	2	11:55	12:39
16	RT	Pump Management	PG&E	Fresno	6-Aug-10	0	No	INC	8	2:40	9:59
17	RT	Pump Management	PG&E	Fresno	15-Aug-10	308	No	DEC	1	8:15	8:24

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
18	RT	Pump Management	PG&E	Fresno	23-Aug-10	0	No	INC	2	7:00	8:29
19	RT	Pump Management	PG&E	Fresno	28-Aug-10	0	No	INC	1	5:25	5:59
20	RT	Ramp Rate	SCE	Big Creek-Ventura	17-Aug-10	250	Yes	INC	12	9:30	20:59
21	RT	Ramp Rate	SCE	Big Creek-Ventura	18-Aug-10	250	Yes	INC	12	9:30	20:59
22	RT	Ramp Rate	SCE	Big Creek-Ventura	23-Aug-10	80	No	DEC	9	12:00	20:59
23	RT	Ramp Rate	SCE	Big Creek-Ventura	23-Aug-10	200	No	INC	9	12:00	20:59
24	RT	Ramp Rate	SCE	Big Creek-Ventura	24-Aug-10	50- 810	Yes	INC	17	4:00	20:59
25	RT	Ramp Rate	SCE	Big Creek-Ventura	25-Aug-10	100- 810	Yes	INC	14	7:30	20:59
26	RT	Ramp Rate	SCE	LA Basin	14-Aug-10	56- 82	No	DEC	4	16:10	19:59
27	RT	Ramp Rate	SCE	LA Basin	14-Aug-10	82- 170	No	INC	4	16:10	19:59
28	RT	Ramp Rate	SCE	LA Basin	15-Aug-10	26- 120	No	DEC	8	13:25	20:59
29	RT	SP26 Capacity	SCE	Big Creek-Ventura	24-Aug-10	100- 350	Yes	INC	15	9:00	23:59
30	RT	SP26 Capacity	SCE	Big Creek-Ventura	25-Aug-10	50- 150	Yes	INC	24	0:00	23:59
31	RT	SP26 Capacity	SCE	Big Creek-Ventura	26-Aug-10	150- 800	Yes	INC	24	0:00	23:59
32	RT	SP26 Capacity	SCE	LA Basin	1-Aug-10	20	Yes	INC	24	0:00	23:59
33	RT	SP26 Capacity	SCE	LA Basin	22-Aug-10	70- 95	Yes	INC	24	0:00	23:59
34	RT	SP26 Capacity	SCE	LA Basin	23-Aug-10	25	Yes	INC	17	7:00	23:59
35	RT	SP26 Capacity	SCE	LA Basin	25-Aug-10	91	Yes	INC	24	0:00	23:59
36	RT	SP26 Capacity	SCE	N/A	25-Aug-10	80	Yes	INC	12	8:00	19:59
37	RT	Software Limitation	N/A	N/A	7-Aug-10	0	Yes	INC	2	12:40	13:09
38	RT	Software Limitation	N/A	N/A	10-Aug-10	45	Yes	INC	3	13:30	15:04
39	RT	Software Limitation	N/A	N/A	12-Aug-10	0	Yes	INC	2	14:45	15:59

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
40	RT	Software Limitation	PG&E	Bay Area	19-Aug-10	0	Yes	INC	2	2:45	3:44
41	RT	Software Limitation	PG&E	Fresno	1-Aug-10	0	No	INC	24	0:00	23:59
42	RT	Software Limitation	PG&E	Fresno	2-Aug-10	0	No	INC	24	0:00	23:59
43	RT	Software Limitation	PG&E	Fresno	3-Aug-10	0	No	INC	24	0:00	23:59
44	RT	Software Limitation	PG&E	Fresno	4-Aug-10	96	Yes	DEC	16	0:00	15:59
45	RT	Software Limitation	PG&E	Fresno	4-Aug-10	0	Yes	INC	24	0:00	23:59
46	RT	Software Limitation	PG&E	Fresno	5-Aug-10	0	No	INC	24	0:00	23:59
47	RT	Software Limitation	PG&E	Fresno	6-Aug-10	0	No	DEC	2	17:30	18:59
48	RT	Software Limitation	PG&E	Fresno	6-Aug-10	0	No	INC	24	0:00	23:59
49	RT	Software Limitation	PG&E	Fresno	7-Aug-10	0	No	INC	24	0:00	23:59
50	RT	Software Limitation	PG&E	Fresno	8-Aug-10	0	No	INC	24	0:00	23:59
51	RT	Software Limitation	PG&E	Fresno	9-Aug-10	0	No	INC	24	0:00	23:59
52	RT	Software Limitation	PG&E	Fresno	10-Aug-10	0	No	INC	24	0:00	23:59
53	RT	Software Limitation	PG&E	Fresno	11-Aug-10	0	No	INC	24	0:00	23:59
54	RT	Software Limitation	PG&E	Fresno	12-Aug-10	0	No	INC	24	0:00	23:59
55	RT	Software Limitation	PG&E	Fresno	13-Aug-10	0	No	INC	24	0:00	23:59
56	RT	Software Limitation	PG&E	Fresno	14-Aug-10	0	No	INC	24	0:00	23:59
57	RT	Software Limitation	PG&E	Fresno	15-Aug-10	0	No	INC	24	0:00	23:59
58	RT	Software Limitation	PG&E	Fresno	16-Aug-10	0	No	INC	24	0:00	23:59
59	RT	Software Limitation	PG&E	Fresno	17-Aug-10	0	Yes	INC	23	0:00	22:09
60	RT	Software Limitation	PG&E	Fresno	18-Aug-10	0	Yes	INC	24	0:00	23:59
61	RT	Software Limitation	PG&E	Fresno	19-Aug-10	0	Yes	INC	23	0:00	22:39
62	RT	Software Limitation	PG&E	Fresno	20-Aug-10	308	No	DEC	1	6:15	6:21
63	RT	Software Limitation	PG&E	Fresno	20-Aug-10	0	Yes	INC	24	0:40	23:59
64	RT	Software Limitation	PG&E	Fresno	21-Aug-10	0	No	INC	24	0:00	23:59
65	RT	Software Limitation	PG&E	Fresno	22-Aug-10	0	No	INC	24	0:00	23:59
66	RT	Software Limitation	PG&E	Fresno	23-Aug-10	0	Yes	INC	24	0:00	23:59
67	RT	Software Limitation	PG&E	Fresno	24-Aug-10	0	Yes	INC	24	0:00	23:59
68	RT	Software Limitation	PG&E	Fresno	25-Aug-10	95	No	DEC	13	0:00	12:39

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
69	RT	Software Limitation	PG&E	Fresno	25-Aug-10	0	No	INC	24	0:00	23:59
70	RT	Software Limitation	PG&E	Fresno	26-Aug-10	0	Yes	INC	13	0:00	12:59
71	RT	Software Limitation	PG&E	Fresno	27-Aug-10	0	Yes	INC	19	5:10	23:59
72	RT	Software Limitation	PG&E	Fresno	28-Aug-10	0	No	INC	24	0:00	23:59
73	RT	Software Limitation	PG&E	Fresno	29-Aug-10	0	No	INC	24	0:00	23:59
74	RT	Software Limitation	PG&E	Fresno	30-Aug-10	0	No	INC	24	0:00	23:59
75	RT	Software Limitation	PG&E	Fresno	31-Aug-10	0	No	INC	24	0:00	23:59
76	RT	Software Limitation	PG&E	N/A	9-Aug-10	0	Yes	INC	2	5:12	6:34
77	RT	Software Limitation	PG&E	N/A	11-Aug-10	0	No	INC	5	0:40	4:39
78	RT	Software Limitation	PG&E	N/A	17-Aug-10	52	Yes	INC	5	19:00	23:59
79	RT	Software Limitation	PG&E	N/A	19-Aug-10	52	Yes	INC	3	21:00	23:59
80	RT	Software Limitation	SCE	Big Creek-Ventura	5-Aug-10	0	Yes	INC	3	16:05	18:04
81	RT	Software Limitation	SCE	Big Creek-Ventura	24-Aug-10	64- 174	Yes	INC	2	14:45	15:34
82	RT	Software Limitation	SCE	Big Creek-Ventura	25-Aug-10	0	Yes	INC	1	1:30	1:59
83	RT	Software Limitation	SCE	LA Basin	17-Aug-10	70	Yes	INC	3	21:00	23:59
84	RT	Software Limitation	SCE	LA Basin	18-Aug-10	70	Yes	INC	5	19:00	23:59
85	RT	Software Limitation	SCE	LA Basin	19-Aug-10	150	Yes	INC	3	21:00	23:59
86	RT	Software Limitation	SCE	LA Basin	20-Aug-10	130	Yes	INC	3	21:00	23:59
87	RT	Software Limitation	SCE	LA Basin	21-Aug-10	130	Yes	INC	24	0:00	23:59
88	RT	Software Limitation	SCE	LA Basin	23-Aug-10	130	Yes	INC	4	20:25	23:59
89	RT	Software Limitation	SCE	LA Basin	24-Aug-10	10- 160	Yes	INC	10	14:45	23:59
90	RT	Software Limitation	SCE	LA Basin	25-Aug-10	0	Yes	INC	22	0:00	21:04
91	RT	Software Limitation	SCE	N/A	4-Aug-10	68	No	INC	1	3:55	3:59
92	RT	Software Limitation	SCE	N/A	21-Aug-10	0	No	INC	2	4:42	5:33
93	RT	Software Limitation	SCE	N/A	22-Aug-10	0	No	INC	2	0:30	1:59
94	RT	Software Limitation	SCE	N/A	23-Aug-10	0	No	INC	1	0:00	0:29

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
95	RT	Software Limitation	SCE	N/A	24-Aug-10	0	No	INC	1	1:00	1:39
96	RT	Software Limitation	SDG&E	San Diego	3-Aug-10	0	Yes	INC	2	22:40	23:39
97	RT	Software Limitation	SDG&E	San Diego	7-Aug-10	0	Yes	INC	2	12:45	13:14
98	RT	Software Limitation	SDG&E	San Diego	15-Aug-10	179- 259	No	DEC	2	14:51	15:29
99	RT	Software Limitation	SDG&E	San Diego	16-Aug-10	61	No	DEC	1	10:18	10:44
100	RT	Software Limitation	SDG&E	San Diego	19-Aug-10	20	Yes	INC	20	4:00	23:59
101	RT	Software Limitation	SDG&E	San Diego	20-Aug-10	0	Yes	INC	3	21:00	23:59
102	RT	Software Limitation	SDG&E	San Diego	21-Aug-10	20	No	DEC	7	0:00	6:59
103	RT	Software Limitation	SDG&E	San Diego	21-Aug-10	0	No	INC	7	0:00	6:59
104	RT	Software Limitation	SDG&E	San Diego	24-Aug-10	119	Yes	INC	10	14:45	23:59
105	RT	Software Limitation	SDG&E	San Diego	26-Aug-10	0	Yes	INC	11	9:00	19:04
106	RT	System Energy	N/A	N/A	4-Aug-10	0	No	INC	1	22:00	22:59
107	RT	System Energy	PG&E	N/A	16-Aug-10	52	Yes	INC	13	11:00	23:59
108	RT	System Energy	PG&E	N/A	18-Aug-10	52	Yes	INC	24	0:00	23:59
109	RT	System Energy	SCE	Big Creek-Ventura	16-Aug-10	50	Yes	INC	15	9:00	23:59
110	RT	System Energy	SCE	Big Creek-Ventura	17-Aug-10	50	Yes	INC	24	0:00	23:59
111	RT	System Energy	SCE	Big Creek-Ventura	18-Aug-10	50	Yes	INC	24	0:00	23:59
112	RT	System Energy	SCE	Big Creek-Ventura	19-Aug-10	50	Yes	INC	24	0:00	23:59
113	RT	System Energy	SCE	LA Basin	2-Aug-10	20- 85	Yes	INC	24	0:00	23:59
114	RT	System Energy	SCE	LA Basin	3-Aug-10	65- 85	Yes	INC	24	0:00	23:59
115	RT	System Energy	SCE	LA Basin	16-Aug-10	40	Yes	INC	13	11:00	23:59
116	RT	System Energy	SCE	LA Basin	17-Aug-10	150- 190	Yes	INC	24	0:00	23:59
117	RT	System Energy	SCE	LA Basin	18-Aug-10	240	Yes	INC	24	0:00	23:59
118	RT	System Energy	SCE	LA Basin	19-Aug-10	110	Yes	INC	24	0:00	23:59
119	RT	System Energy	SCE	LA Basin	21-Aug-10	91- 161	Yes	INC	7	17:00	23:59
120	RT	System Energy	SCE	LA Basin	22-Aug-10	91	Yes	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
121	RT	System Energy	SCE	LA Basin	23-Aug-10	10- 285	Yes	INC	19	5:00	23:59
122	RT	System Energy	SCE	N/A	16-Aug-10	40- 80	Yes	INC	11	11:00	21:39
123	RT	System Energy	SDG&E	San Diego	29-Aug-10	155	Yes	INC	15	9:00	23:59
124	RT	System Reliability	N/A	N/A	19-Aug-10	20	Yes	DEC	3	16:15	18:09
125	RT	System Reliability	PG&E	Fresno	8-Aug-10	308	No	INC	2	6:36	7:59
126	RT	T-103	SCE	LA Basin	28-Aug-10	160	Yes	INC	22	2:00	23:59
127	RT	T-103	SDG&E	San Diego	28-Aug-10	135	Yes	DEC	24	0:00	23:59
128	RT	T-103	SDG&E	San Diego	28-Aug-10	155	Yes	INC	24	0:00	23:59
129	RT	T-120	N/A	N/A	3-Aug-10	0	No	INC	2	16:20	17:14
130	RT	T-129	PG&E	Fresno	1-Aug-10	5	No	DEC	1	23:15	23:59
131	RT	T-129	PG&E	Fresno	3-Aug-10	5- 10	No	DEC	2	22:15	23:59
132	RT	T-129	PG&E	Fresno	4-Aug-10	55	No	INC	1	0:00	0:54
133	RT	T-129	PG&E	Fresno	17-Aug-10	5	Yes	DEC	1	23:17	23:54
134	RT	T-129	PG&E	Fresno	17-Aug-10	0	No	INC	2	3:20	4:29
135	RT	T-129	PG&E	Fresno	18-Aug-10	5	Yes	DEC	2	22:20	23:54
136	RT	T-129	PG&E	Fresno	19-Aug-10	5	Yes	DEC	2	22:14	23:39
137	RT	T-129	PG&E	Fresno	25-Aug-10	19- 92	Yes	DEC	6	18:45	23:59
138	RT	T-129	PG&E	Fresno	25-Aug-10	37- 45	Yes	INC	3	19:00	21:09
139	RT	T-129	PG&E	Fresno	26-Aug-10	10- 84	Yes	DEC	2	12:35	13:19
140	RT	T-129	PG&E	Fresno	26-Aug-10	30- 45	Yes	INC	2	0:00	1:29
141	RT	T-132	SCE	LA Basin	14-Aug-10	72- 132	No	DEC	2	14:50	15:59
142	RT	T-132	SCE	LA Basin	14-Aug-10	44	No	INC	2	14:50	15:34
143	RT	T-132	SCE	LA Basin	15-Aug-10	32	No	DEC	1	15:45	15:59
144	RT	T-132	SCE	LA Basin	26-Aug-10	20- 105	Yes	DEC	10	12:05	21:59
145	RT	T-132	SCE	LA Basin	26-Aug-10	87- 387	Yes	INC	10	12:05	21:59
146	RT	T-132	SDG&E	N/A	1-Aug-10	35- 145	No	DEC	5	16:20	20:59
147	RT	T-132	SDG&E	N/A	14-Aug-10	14- 125	No	DEC	6	14:45	19:59
148	RT	T-132	SDG&E	N/A	14-Aug-10	40	No	INC	4	16:25	19:59
149	RT	T-132	SDG&E	N/A	15-Aug-10	10- 200	No	DEC	9	13:25	21:59

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
150	RT	T-132	SDG&E	N/A	16-Aug-10	116- 307	Yes	DEC	7	12:25	18:59
151	RT	T-132	SDG&E	N/A	17-Aug-10	45- 96	No	DEC	4	14:25	17:39
152	RT	T-132	SDG&E	N/A	18-Aug-10	54- 145	No	DEC	5	13:25	17:34
153	RT	T-132	SDG&E	N/A	18-Aug-10	5	No	INC	4	15:35	18:39
154	RT	T-132	SDG&E	N/A	19-Aug-10	70- 226	Yes	DEC	9	12:25	20:59
155	RT	T-132	SDG&E	N/A	19-Aug-10	0	No	INC	1	20:55	20:59
156	RT	T-132	SDG&E	N/A	20-Aug-10	18- 210	No	DEC	9	12:15	20:09
157	RT	T-132	SDG&E	N/A	21-Aug-10	50- 545	Yes	DEC	10	11:45	20:49
158	RT	T-132	SDG&E	N/A	21-Aug-10	2	Yes	INC	1	18:45	18:49
159	RT	T-132	SDG&E	N/A	22-Aug-10	8- 57	No	DEC	5	15:00	19:24
160	RT	T-132	SDG&E	N/A	22-Aug-10	19	No	INC	5	15:00	19:24
161	RT	T-132	SDG&E	N/A	23-Aug-10	146- 389	No	DEC	11	11:40	21:39
162	RT	T-132	SDG&E	N/A	24-Aug-10	75- 477	Yes	DEC	11	12:20	22:29
163	RT	T-132	SDG&E	N/A	25-Aug-10	51- 397	Yes	DEC	12	11:00	22:59
164	RT	T-132	SDG&E	N/A	26-Aug-10	37- 176	Yes	DEC	10	12:00	21:59
165	RT	T-135	PG&E	Sierra	29-Aug-10	10	Yes	DEC	2	17:50	18:54
166	RT	T-138	PG&E	Humboldt	2-Aug-10	15	No	INC	14	5:45	18:59
167	RT	T-138	PG&E	Humboldt	4-Aug-10	20	No	INC	3	18:26	20:59
168	RT	T-138	PG&E	Humboldt	9-Aug-10	15	No	INC	7	10:52	16:34
169	RT	T-138	PG&E	Humboldt	10-Aug-10	5- 15	No	DEC	2	11:45	12:59
170	RT	T-151	PG&E	NCNB	30-Aug-10	10- 12	No	DEC	4	17:13	20:59
171	RT	T-151	PG&E	NCNB	31-Aug-10	9- 31	No	DEC	11	11:40	21:59
172	RT	T-154	PG&E	Sierra	23-Aug-10	15- 20	Yes	DEC	4	16:09	19:59
173	RT	T-154	PG&E	Sierra	23-Aug-10	0	No	INC	1	19:20	19:59
174	RT	T-154	PG&E	Sierra	24-Aug-10	9- 39	Yes	DEC	6	14:35	19:59
175	RT	T-154	PG&E	Sierra	24-Aug-10	0	No	INC	6	14:50	19:59
176	RT	T-154	PG&E	Sierra	25-Aug-10	10	Yes	DEC	6	13:45	18:19
177	RT	T-154	PG&E	Sierra	29-Aug-10	1- 77	Yes	DEC	6	16:20	21:39
178	RT	T-154	PG&E	Sierra	29-Aug-10	29	No	INC	3	19:50	21:39

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
179	RT	T-170	N/A	N/A	17-Aug-10	1- 101	No	DEC	3	15:25	17:59
180	RT	T-170	N/A	N/A	24-Aug-10	120- 265	No	DEC	10	13:30	22:59
181	RT	T-170	N/A	N/A	25-Aug-10	267	No	DEC	7	13:35	19:39
182	RT	T-170	N/A	N/A	26-Aug-10	119- 123	No	DEC	4	12:24	15:59
183	RT	T-170	SCE	LA Basin	16-Aug-10	72	Yes	INC	2	17:55	18:36
184	RT	T-170	SCE	LA Basin	18-Aug-10	80- 120	Yes	INC	4	14:15	17:29
185	RT	T-170	SCE	LA Basin	23-Aug-10	39	Yes	INC	1	16:40	16:44
186	RT	T-170	SCE	LA Basin	27-Aug-10	71	Yes	INC	2	14:05	15:49
187	RT	Transmission Outage PG&E	PG&E	Bay Area	20-Aug-10	15	No	INC	7	10:20	16:59
188	RT	Transmission Outage PG&E	PG&E	Fresno	12-Aug-10	308	No	DEC	3	7:55	9:59
189	RT	Transmission Outage PG&E	PG&E	Fresno	12-Aug-10	0	No	INC	3	7:55	9:59
190	RT	Transmission Outage PG&E	PG&E	N/A	4-Aug-10	15	No	DEC	2	8:40	9:59
191	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	23-Aug-10	140	No	DEC	6	10:38	15:44
192	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	27-Aug-10	50- 150	Yes	INC	24	0:00	23:59
193	RT	Transmission Outage SCE	SCE	LA Basin	17-Aug-10	91	Yes	INC	24	0:00	23:59
194	RT	Transmission Outage SCE	SCE	LA Basin	27-Aug-10	20- 90	Yes	INC	19	5:00	23:59
195	RT	Transmission Outage SDG&E	SDG&E	San Diego	8-Aug-10	18	Yes	INC	5	11:53	15:34
196	RT	Transmission Outage SDG&E	SDG&E	San Diego	11-Aug-10	33	Yes	INC	6	18:49	23:14
197	RT	Transmission Outage SDG&E	SDG&E	San Diego	23-Aug-10	56- 76	No	DEC	2	15:50	16:09
198	RT	Transmission Outage SDG&E	SDG&E	San Diego	23-Aug-10	3	No	INC	2	15:50	16:09
199	RT	Unit Testing	PG&E	Bay Area	24-Aug-10	145	Yes	DEC	1	13:20	13:37
200	RT	Unit Testing	PG&E	Bay Area	24-Aug-10	50	Yes	INC	1	13:43	13:58
201	RT	Unit Testing	PG&E	Bay Area	26-Aug-10	17- 257	No	DEC	2	13:12	14:59

Appendix A: Explanation by Example

All examples listed below are based on fictitious data.

Example 1: Exceptional Dispatch Instructions Prior to DAM

In this fictitious example the 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 October, 2010.

Anna Pascuzzo
Anna Pascuzzo