



California Independent
System Operator Corporation

October 14, 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-___
August 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 August 2011.

Respectfully submitted,

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California ISO
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Exceptional Dispatch Report

Table 1: August 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 August 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 August 2011, the ISO issued exceptional dispatches 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-138, transmission facilities in Humboldt area; (4) T-165 transmission facilities in Palermo Rio-Oso area; (5) T-167, transmission facilities in Tesla/Bellota Area; and (6) other transmission outages in PG&E, SCE and SDG&E area.

The following additional reasons for exceptional dispatch instructions in August 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.; and (2) Ramp Rate, when exceptional dispatch instructions were issued to dispatch a resource above its physical minimum to a level where the resource has significantly higher ramp rate capability. For example, a resource 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; (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 390 exceptional dispatches in August 2011, decreasing by 14 as compared to the September 15, 2011 report for July 2011. There were no exceptional dispatches in the day-ahead market. All exceptional dispatches in August were issued in the real-time market. Exceptional dispatches issued for the following reasons accounted for approximately 55 percent of the total exceptional dispatches during the reporting period: Software Limitation, T-167, Transmission Outage PG&E, and Ramp Rate.

Table 1: Exceptional Dispatches in August 2011

**California Independent System Operator Corporation
Exceptional Dispatch Report
October 17, 2011**

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

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
1	RT	Bridging Schedules	PG&E	N/A	23-Aug-11	30	Yes	INC	2	22:00	23:59
2	RT	Bridging Schedules	PG&E	N/A	31-Aug-11	136	Yes	INC	3	21:00	23:59
3	RT	Bridging Schedules	SCE	LA Basin	15-Aug-11	10	Yes	INC	4	20:00	23:59
4	RT	Bridging Schedules	SCE	LA Basin	16-Aug-11	20	Yes	INC	2	22:00	23:59
5	RT	Bridging Schedules	SCE	LA Basin	23-Aug-11	10	Yes	INC	2	22:00	23:59
6	RT	Bridging Schedules	SCE	LA Basin	30-Aug-11	20	Yes	INC	4	20:00	23:59
7	RT	Bridging Schedules	SCE	N/A	2-Aug-11	40	Yes	INC	3	21:00	23:59
8	RT	Bridging Schedules	SCE	N/A	25-Aug-11	40	Yes	INC	3	21:15	23:59
9	RT	Bridging Schedules	SDG&E	San Diego	8-Aug-11	299	No	DEC	3	21:35	23:59
10	RT	Bridging Schedules	SDG&E	San Diego	8-Aug-11	155	No	INC	3	21:35	23:59
11	RT	COI Mitigation	N/A	N/A	6-Aug-11	200	No	DEC	2	15:40	16:19
12	RT	COI Mitigation	N/A	N/A	9-Aug-11	200	No	DEC	2	11:35	12:44
13	RT	Fast Start Unit Management	SCE	LA Basin	25-Aug-11	0	Yes	INC	2	21:25	22:24
14	RT	Fire	SCE	LA Basin	22-Aug-11	31	No	DEC	3	13:56	15:59
15	RT	Fire	SCE	LA Basin	22-Aug-11	25- 909	Yes	INC	5	13:54	17:59
16	RT	Fire	SCE	N/A	22-Aug-11	199- 200	No	DEC	2	14:10	15:59
17	RT	Fire	SDG&E	San Diego	22-Aug-11	430- 450	Yes	INC	2	14:07	15:32
18	RT	Intertie Emergency Assistance	N/A	N/A	1-Aug-11	200	No	INC	2	10:53	11:59
19	RT	Intertie Emergency Assistance	N/A	N/A	2-Aug-11	450	No	INC	1	15:00	15:59
20	RT	Intertie Emergency Assistance	N/A	N/A	27-Aug-11	100	No	INC	1	22:00	22:59
21	RT	Intertie Emergency Assistance	N/A	N/A	31-Aug-11	100- 140	No	INC	2	12:29	13:59

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	Load Forecast Error	SCE	LA Basin	22-Aug-11	40- 110	Yes	INC	15	9:00	23:59
23	RT	Path 26	SCE	LA Basin	23-Aug-11	25	Yes	INC	9	15:40	23:59
24	RT	Path 26	SCE	LA Basin	24-Aug-11	90- 220	Yes	INC	24	0:00	23:59
25	RT	Pump Management	PG&E	Fresno	9-Aug-11	318	No	DEC	1	5:00	5:59
26	RT	Pump Management	PG&E	Fresno	20-Aug-11	318- 636	No	INC	2	3:55	4:29
27	RT	Pump Management	PG&E	Fresno	21-Aug-11	318	No	DEC	5	2:45	6:29
28	RT	Pump Management	PG&E	Fresno	21-Aug-11	0	No	INC	5	2:45	6:29
29	RT	Pump Management	PG&E	Fresno	22-Aug-11	318	No	DEC	4	1:10	4:59
30	RT	Pump Management	PG&E	Fresno	22-Aug-11	318	No	INC	5	0:15	4:59
31	RT	Ramp Rate	N/A	N/A	4-Aug-11	45	Yes	DEC	6	14:15	19:59
32	RT	Ramp Rate	N/A	N/A	4-Aug-11	68	Yes	INC	6	14:15	19:59
33	RT	Ramp Rate	N/A	N/A	8-Aug-11	68	Yes	INC	3	21:10	23:59
34	RT	Ramp Rate	N/A	N/A	9-Aug-11	68	Yes	INC	5	19:05	23:59
35	RT	Ramp Rate	N/A	N/A	12-Aug-11	20- 88	Yes	INC	24	0:00	23:59
36	RT	Ramp Rate	N/A	N/A	13-Aug-11	68	Yes	INC	5	15:10	19:59
37	RT	Ramp Rate	N/A	N/A	14-Aug-11	20- 68	Yes	INC	17	7:10	23:59
38	RT	Ramp Rate	N/A	N/A	15-Aug-11	68	Yes	INC	18	6:00	23:59
39	RT	Ramp Rate	N/A	N/A	31-Aug-11	69	Yes	INC	16	6:50	21:59
40	RT	Ramp Rate	PG&E	N/A	8-Aug-11	75	Yes	INC	5	5:30	9:59
41	RT	Ramp Rate	SCE	Big Creek-Ventura	2-Aug-11	50	Yes	INC	9	11:40	19:59
42	RT	Ramp Rate	SCE	Big Creek-Ventura	27-Aug-11	51	Yes	INC	14	8:55	21:59
43	RT	Ramp Rate	SCE	LA Basin	2-Aug-11	20- 662	Yes	INC	24	0:00	23:59
44	RT	Ramp Rate	SCE	LA Basin	3-Aug-11	82- 146	Yes	DEC	7	13:55	19:59
45	RT	Ramp Rate	SCE	LA Basin	3-Aug-11	25- 454	Yes	INC	11	13:30	23:59
46	RT	Ramp Rate	SCE	LA Basin	4-Aug-11	20- 190	Yes	INC	24	0:00	23:59
47	RT	Ramp Rate	SCE	LA Basin	8-Aug-11	25- 85	No	DEC	5	5:25	9:59
48	RT	Ramp Rate	SCE	LA Basin	8-Aug-11	90	No	INC	5	5:25	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
49	RT	Ramp Rate	SCE	LA Basin	15-Aug-11	142	Yes	INC	6	15:20	20:59
50	RT	Ramp Rate	SCE	LA Basin	16-Aug-11	142- 664	Yes	INC	17	6:05	22:59
51	RT	Ramp Rate	SCE	LA Basin	23-Aug-11	284	Yes	INC	8	14:20	21:59
52	RT	Ramp Rate	SCE	LA Basin	24-Aug-11	332	Yes	INC	8	13:15	20:59
53	RT	Ramp Rate	SCE	LA Basin	25-Aug-11	332	Yes	INC	12	9:50	20:59
54	RT	Ramp Rate	SCE	LA Basin	26-Aug-11	144- 369	Yes	INC	16	8:20	23:59
55	RT	Ramp Rate	SCE	LA Basin	27-Aug-11	29- 264	No	DEC	9	13:40	21:59
56	RT	Ramp Rate	SCE	LA Basin	27-Aug-11	144	Yes	INC	13	9:00	21:59
57	RT	Ramp Rate	SCE	LA Basin	28-Aug-11	41- 688	Yes	DEC	11	10:50	20:59
58	RT	Ramp Rate	SCE	LA Basin	28-Aug-11	144- 369	Yes	INC	12	10:15	21:59
59	RT	Ramp Rate	SCE	LA Basin	29-Aug-11	416- 465	No	DEC	7	13:30	19:59
60	RT	Ramp Rate	SCE	LA Basin	29-Aug-11	522	Yes	INC	7	13:25	19:59
61	RT	Ramp Rate	SCE	LA Basin	30-Aug-11	364- 465	No	DEC	8	12:30	19:59
62	RT	Ramp Rate	SCE	LA Basin	30-Aug-11	261- 521	Yes	INC	8	12:30	19:59
63	RT	Ramp Rate	SCE	LA Basin	31-Aug-11	72- 263	Yes	INC	16	6:45	21:59
64	RT	Ramp Rate	SDG&E	San Diego	4-Aug-11	68	No	INC	2	13:00	14:14
65	RT	Ramp Rate	SDG&E	San Diego	8-Aug-11	131	No	INC	15	5:20	19:59
66	RT	Ramp Rate	SDG&E	San Diego	9-Aug-11	68	No	INC	2	11:45	12:39
67	RT	Ramp Rate	SDG&E	San Diego	12-Aug-11	68	No	INC	8	13:50	20:59
68	RT	Ramp Rate	SDG&E	San Diego	13-Aug-11	20- 68	No	INC	24	0:00	23:59
69	RT	Ramp Rate	SDG&E	San Diego	22-Aug-11	68	No	INC	6	15:14	20:59
70	RT	Risk Predictor	N/A	N/A	1-Aug-11	20- 40	Yes	INC	24	0:00	23:59
71	RT	Risk Predictor	N/A	N/A	10-Aug-11	20	Yes	INC	24	0:00	23:59
72	RT	Risk Predictor	N/A	N/A	11-Aug-11	20	Yes	INC	24	0:00	23:59
73	RT	Risk Predictor	PG&E	N/A	2-Aug-11	333	No	INC	1	23:00	23:59
74	RT	Risk Predictor	PG&E	N/A	10-Aug-11	180	Yes	INC	15	7:00	21:59
75	RT	Risk Predictor	PG&E	N/A	24-Aug-11	30	Yes	INC	24	0:00	23:59
76	RT	Risk Predictor	PG&E	N/A	26-Aug-11	30	Yes	INC	19	5:00	23:59
77	RT	Risk Predictor	SCE	Big Creek-	2-Aug-11	20	Yes	INC	19	5:00	23:59

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
				Ventura							
78	RT	Risk Predictor	SCE	Big Creek- Ventura	26-Aug-11	20	Yes	INC	9	0:00	8:04
79	RT	Risk Predictor	SCE	LA Basin	1-Aug-11	20	Yes	INC	24	0:00	23:59
80	RT	Risk Predictor	SCE	LA Basin	2-Aug-11	20- 90	Yes	INC	24	0:00	23:59
81	RT	Risk Predictor	SCE	LA Basin	3-Aug-11	85- 110	Yes	INC	24	0:00	23:59
82	RT	Risk Predictor	SCE	LA Basin	8-Aug-11	20- 40	Yes	INC	17	7:00	23:59
83	RT	Risk Predictor	SCE	LA Basin	10-Aug-11	20	Yes	INC	24	0:00	23:59
84	RT	Risk Predictor	SCE	LA Basin	11-Aug-11	20	Yes	INC	24	0:00	23:59
85	RT	Risk Predictor	SCE	LA Basin	12-Aug-11	20	Yes	INC	24	0:00	23:59
86	RT	Risk Predictor	SCE	LA Basin	13-Aug-11	20	Yes	INC	23	1:00	23:59
87	RT	Risk Predictor	SCE	LA Basin	14-Aug-11	89	Yes	INC	24	0:00	23:59
88	RT	Risk Predictor	SCE	LA Basin	15-Aug-11	20- 150	Yes	INC	24	0:00	23:59
89	RT	Risk Predictor	SCE	LA Basin	16-Aug-11	100	Yes	INC	24	0:00	23:59
90	RT	Risk Predictor	SCE	LA Basin	17-Aug-11	110	Yes	INC	24	0:00	23:59
91	RT	Risk Predictor	SCE	LA Basin	18-Aug-11	140	Yes	INC	24	0:00	23:59
92	RT	Risk Predictor	SCE	LA Basin	19-Aug-11	160	Yes	INC	24	0:00	23:59
93	RT	Risk Predictor	SCE	LA Basin	20-Aug-11	70	Yes	INC	3	0:00	2:59
94	RT	Risk Predictor	SCE	LA Basin	23-Aug-11	50- 135	Yes	INC	24	0:00	23:59
95	RT	Risk Predictor	SCE	LA Basin	24-Aug-11	10- 50	Yes	INC	24	0:00	23:59
96	RT	Risk Predictor	SCE	LA Basin	26-Aug-11	20- 150	Yes	INC	24	0:00	23:59
97	RT	Risk Predictor	SCE	LA Basin	30-Aug-11	20	Yes	INC	14	10:00	23:59
98	RT	Risk Predictor	SCE	N/A	7-Aug-11	40	Yes	INC	6	18:45	23:59
99	RT	Risk Predictor	SCE	N/A	11-Aug-11	320	Yes	INC	24	0:00	23:59
100	RT	Risk Predictor	SCE	N/A	18-Aug-11	40	Yes	INC	19	5:00	23:59
101	RT	Risk Predictor	SDG&E	San Diego	8-Aug-11	20- 60	Yes	INC	22	0:00	21:59
102	RT	Risk Predictor	SDG&E	San Diego	13-Aug-11	20	No	INC	24	0:00	23:58
103	RT	Risk Predictor	SDG&E	San Diego	14-Aug-11	20- 75	Yes	INC	19	0:00	18:08
104	RT	Risk Predictor	SDG&E	San Diego	15-Aug-11	20	No	INC	6	0:00	5:49

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
105	RT	SC Request	SCE	LA Basin	27-Aug-11	0	Yes	INC	2	19:00	20:59
106	RT	SLIC Derate	PG&E	Humboldt	20-Aug-11	7	No	DEC	7	9:50	15:59
107	RT	SP26 Capacity	N/A	N/A	30-Aug-11	20	Yes	INC	3	21:00	23:59
108	RT	SP26 Capacity	N/A	N/A	31-Aug-11	20	Yes	INC	24	0:00	23:59
109	RT	SP26 Capacity	SCE	Big Creek-Ventura	27-Aug-11	20	Yes	INC	24	0:00	23:59
110	RT	SP26 Capacity	SCE	Big Creek-Ventura	29-Aug-11	20	Yes	INC	15	9:00	23:59
111	RT	SP26 Capacity	SCE	LA Basin	9-Aug-11	20	Yes	INC	23	1:00	23:59
112	RT	SP26 Capacity	SCE	LA Basin	25-Aug-11	110- 240	Yes	INC	24	0:00	23:59
113	RT	SP26 Capacity	SCE	LA Basin	26-Aug-11	10- 60	Yes	INC	24	0:00	23:59
114	RT	SP26 Capacity	SCE	LA Basin	27-Aug-11	50- 60	Yes	INC	24	0:00	23:59
115	RT	SP26 Capacity	SCE	LA Basin	28-Aug-11	190- 250	Yes	INC	24	0:00	23:59
116	RT	SP26 Capacity	SCE	LA Basin	29-Aug-11	220- 260	Yes	INC	24	0:00	23:59
117	RT	SP26 Capacity	SCE	LA Basin	30-Aug-11	25- 65	Yes	INC	24	0:00	23:59
118	RT	SP26 Capacity	SCE	LA Basin	31-Aug-11	65- 85	Yes	INC	24	0:00	23:59
119	RT	SP26 Capacity	SDG&E	San Diego	9-Aug-11	20	No	INC	19	0:00	18:54
120	RT	Software Limitation	N/A	N/A	1-Aug-11	4	Yes	DEC	2	15:00	16:59
121	RT	Software Limitation	N/A	N/A	1-Aug-11	0	No	INC	1	2:25	2:54
122	RT	Software Limitation	N/A	N/A	4-Aug-11	165- 170	Yes	DEC	4	19:45	22:59
123	RT	Software Limitation	N/A	N/A	4-Aug-11	310	Yes	INC	4	19:45	22:59
124	RT	Software Limitation	N/A	N/A	11-Aug-11	300	Yes	INC	4	6:35	9:59
125	RT	Software Limitation	N/A	N/A	13-Aug-11	127	Yes	DEC	3	10:40	12:39
126	RT	Software Limitation	N/A	N/A	13-Aug-11	300	Yes	INC	3	10:40	12:39
127	RT	Software Limitation	N/A	N/A	18-Aug-11	20	Yes	INC	17	7:00	23:59
128	RT	Software Limitation	N/A	N/A	29-Aug-11	307	No	DEC	2	1:10	2:24
129	RT	Software Limitation	PG&E	Bay Area	10-Aug-11	50	No	DEC	2	17:55	18:06
130	RT	Software Limitation	PG&E	Bay Area	10-Aug-11	700- 820	No	INC	2	17:45	18:16
131	RT	Software Limitation	PG&E	Bay Area	21-Aug-11	0	Yes	INC	1	18:25	18:54

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
132	RT	Software Limitation	PG&E	Bay Area	23-Aug-11	60	Yes	INC	4	14:50	17:59
133	RT	Software Limitation	PG&E	Fresno	2-Aug-11	0	Yes	INC	3	0:30	2:29
134	RT	Software Limitation	PG&E	Fresno	6-Aug-11	0	Yes	INC	1	23:00	23:59
135	RT	Software Limitation	PG&E	Fresno	7-Aug-11	47	Yes	INC	18	0:00	17:04
136	RT	Software Limitation	PG&E	Fresno	11-Aug-11	434	No	INC	10	5:45	14:49
137	RT	Software Limitation	PG&E	Fresno	16-Aug-11	308	No	DEC	2	1:30	2:59
138	RT	Software Limitation	PG&E	Fresno	18-Aug-11	308	No	DEC	5	1:55	5:59
139	RT	Software Limitation	PG&E	Fresno	18-Aug-11	318	No	INC	1	5:30	5:59
140	RT	Software Limitation	PG&E	Fresno	21-Aug-11	0	Yes	INC	8	15:20	22:39
141	RT	Software Limitation	PG&E	Fresno	23-Aug-11	104	No	INC	3	19:17	21:29
142	RT	Software Limitation	PG&E	Fresno	24-Aug-11	0	No	INC	2	6:50	7:59
143	RT	Software Limitation	PG&E	Fresno	26-Aug-11	0	Yes	INC	2	20:40	21:54
144	RT	Software Limitation	PG&E	Fresno	30-Aug-11	360	No	INC	2	22:55	23:59
145	RT	Software Limitation	PG&E	Fresno	31-Aug-11	360	No	INC	24	0:00	23:59
146	RT	Software Limitation	PG&E	Humboldt	1-Aug-11	15	No	INC	8	12:57	19:59
147	RT	Software Limitation	PG&E	N/A	22-Aug-11	0	Yes	INC	4	2:00	5:19
148	RT	Software Limitation	PG&E	N/A	23-Aug-11	20	Yes	INC	4	14:50	17:59
149	RT	Software Limitation	PG&E	N/A	25-Aug-11	700	No	INC	1	18:20	18:59
150	RT	Software Limitation	PG&E	N/A	30-Aug-11	197	No	INC	1	15:02	15:59
151	RT	Software Limitation	PG&E	Sierra	23-Aug-11	20	Yes	DEC	2	18:45	19:44
152	RT	Software Limitation	PG&E	Sierra	23-Aug-11	0	Yes	INC	2	18:31	19:44
153	RT	Software Limitation	PG&E	Sierra	27-Aug-11	0	Yes	INC	2	22:45	23:44
154	RT	Software Limitation	PG&E	Sierra	29-Aug-11	40	Yes	INC	2	12:32	13:59
155	RT	Software Limitation	SCE	Big Creek-Ventura	1-Aug-11	300	No	INC	4	9:30	12:59
156	RT	Software Limitation	SCE	Big Creek-Ventura	26-Aug-11	51	Yes	INC	16	8:05	23:59
157	RT	Software Limitation	SCE	Big Creek-Ventura	29-Aug-11	15	No	DEC	1	13:02	13:31

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
158	RT	Software Limitation	SCE	LA Basin	1-Aug-11	20	Yes	INC	24	0:00	23:59
159	RT	Software Limitation	SCE	LA Basin	3-Aug-11	0	Yes	INC	2	21:30	22:49
160	RT	Software Limitation	SCE	LA Basin	4-Aug-11	0	No	INC	2	17:00	18:09
161	RT	Software Limitation	SCE	LA Basin	6-Aug-11	0	Yes	INC	1	21:25	21:54
162	RT	Software Limitation	SCE	LA Basin	7-Aug-11	0	Yes	INC	2	18:25	19:24
163	RT	Software Limitation	SCE	LA Basin	8-Aug-11	0	Yes	INC	2	18:50	19:49
164	RT	Software Limitation	SCE	LA Basin	11-Aug-11	300	Yes	INC	23	0:00	22:24
165	RT	Software Limitation	SCE	LA Basin	12-Aug-11	34	No	DEC	2	13:45	14:39
166	RT	Software Limitation	SCE	LA Basin	12-Aug-11	0	Yes	INC	2	18:00	19:04
167	RT	Software Limitation	SCE	LA Basin	13-Aug-11	17	No	DEC	1	13:05	13:59
168	RT	Software Limitation	SCE	LA Basin	13-Aug-11	0	Yes	INC	1	23:41	23:58
169	RT	Software Limitation	SCE	LA Basin	14-Aug-11	0	Yes	INC	24	0:25	23:59
170	RT	Software Limitation	SCE	LA Basin	15-Aug-11	0	Yes	INC	24	0:00	23:09
171	RT	Software Limitation	SCE	LA Basin	18-Aug-11	0	No	INC	1	22:38	22:49
172	RT	Software Limitation	SCE	LA Basin	20-Aug-11	0	Yes	INC	15	4:20	18:29
173	RT	Software Limitation	SCE	LA Basin	21-Aug-11	0	Yes	INC	6	18:00	23:29
174	RT	Software Limitation	SCE	LA Basin	23-Aug-11	0	No	INC	5	0:27	4:44
175	RT	Software Limitation	SCE	LA Basin	24-Aug-11	0	Yes	INC	2	20:05	21:04
176	RT	Software Limitation	SCE	LA Basin	25-Aug-11	0	Yes	INC	3	19:30	21:59
177	RT	Software Limitation	SCE	LA Basin	26-Aug-11	0	Yes	INC	2	18:30	19:29
178	RT	Software Limitation	SCE	N/A	7-Aug-11	40	Yes	INC	2	17:20	18:29
179	RT	Software Limitation	SCE	N/A	11-Aug-11	474	Yes	INC	1	20:05	20:50
180	RT	Software Limitation	SCE	N/A	15-Aug-11	297	No	INC	2	22:40	23:29
181	RT	Software Limitation	SCE	N/A	26-Aug-11	0	No	INC	1	4:09	4:59
182	RT	Software Limitation	SCE	N/A	27-Aug-11	44	No	INC	1	0:32	0:59
183	RT	Software Limitation	SDG&E	N/A	4-Aug-11	190- 310	No	INC	5	19:27	23:58
184	RT	Software Limitation	SDG&E	San Diego	2-Aug-11	0	Yes	INC	2	19:35	20:14
185	RT	Software Limitation	SDG&E	San Diego	8-Aug-11	20	Yes	INC	22	0:00	21:59
186	RT	Software Limitation	SDG&E	San Diego	9-Aug-11	68- 155	No	INC	19	1:00	19:09

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
187	RT	Software Limitation	SDG&E	San Diego	18-Aug-11	0	Yes	INC	6	12:00	17:24
188	RT	Software Limitation	SDG&E	San Diego	19-Aug-11	0	Yes	INC	2	19:05	20:34
189	RT	Software Limitation	SDG&E	San Diego	22-Aug-11	20	Yes	INC	24	0:00	23:59
190	RT	Software Limitation	SDG&E	San Diego	28-Aug-11	281	No	INC	2	3:20	4:59
191	RT	Software Limitation	SDG&E	San Diego	29-Aug-11	0	Yes	INC	2	16:35	17:34
192	RT	Suspect Modeling Error	SDG&E	San Diego	8-Aug-11	20	No	INC	1	19:30	19:59
193	RT	System Energy	N/A	N/A	7-Aug-11	100	Yes	INC	1	14:00	14:59
194	RT	System Energy	N/A	N/A	9-Aug-11	400	Yes	INC	1	1:00	1:59
195	RT	System Energy	N/A	N/A	15-Aug-11	450	Yes	INC	1	4:00	4:59
196	RT	System Energy	N/A	N/A	16-Aug-11	510	Yes	INC	1	5:00	5:59
197	RT	System Energy	N/A	N/A	19-Aug-11	725	Yes	INC	1	22:00	22:59
198	RT	System Energy	N/A	N/A	22-Aug-11	700	No	DEC	1	0:00	0:59
199	RT	System Energy	N/A	N/A	22-Aug-11	475	Yes	INC	1	0:00	0:59
200	RT	System Energy	N/A	N/A	25-Aug-11	250- 525	Yes	INC	10	8:00	17:59
201	RT	System Reliability	N/A	N/A	6-Aug-11	200	No	DEC	1	15:35	15:39
202	RT	System Reliability	N/A	N/A	22-Aug-11	20	Yes	INC	18	6:00	23:59
203	RT	System Reliability	PG&E	Fresno	1-Aug-11	725	Yes	INC	1	13:50	13:54
204	RT	System Reliability	SCE	LA Basin	3-Aug-11	20	Yes	INC	3	21:00	23:59
205	RT	System Reliability	SCE	LA Basin	4-Aug-11	20	Yes	INC	24	0:00	23:59
206	RT	System Reliability	SCE	LA Basin	14-Aug-11	20	Yes	INC	23	1:00	23:59
207	RT	System Reliability	SCE	N/A	8-Aug-11	40	Yes	INC	24	0:00	23:59
208	RT	System Reliability	SDG&E	San Diego	18-Aug-11	20	Yes	INC	8	16:44	23:59
209	RT	System Reliability	SDG&E	San Diego	21-Aug-11	20	No	INC	1	15:15	15:59
210	RT	T-129	N/A	N/A	1-Aug-11	300	Yes	INC	2	15:55	16:44
211	RT	T-129	N/A	N/A	28-Aug-11	100	Yes	INC	2	21:05	22:59
212	RT	T-129	PG&E	Fresno	3-Aug-11	10	No	INC	5	5:55	9:59
213	RT	T-129	PG&E	Fresno	9-Aug-11	15	No	DEC	1	23:50	23:59
214	RT	T-129	PG&E	Fresno	10-Aug-11	5	No	DEC	1	0:00	0:59
215	RT	T-129	PG&E	Fresno	20-Aug-11	128	Yes	INC	24	0:55	23:59

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
216	RT	T-129	PG&E	Fresno	21-Aug-11	3- 5	No	DEC	20	4:05	23:59
217	RT	T-129	PG&E	Fresno	21-Aug-11	5- 10	No	INC	24	0:00	23:59
218	RT	T-129	PG&E	Fresno	22-Aug-11	5	No	DEC	22	0:00	21:14
219	RT	T-129	PG&E	Fresno	22-Aug-11	15	No	INC	24	0:00	23:59
220	RT	T-129	PG&E	Fresno	23-Aug-11	1- 5	No	DEC	18	6:55	23:59
221	RT	T-129	PG&E	Fresno	23-Aug-11	6	No	INC	24	0:00	23:59
222	RT	T-129	PG&E	Fresno	24-Aug-11	72	No	INC	24	0:00	23:59
223	RT	T-129	PG&E	Fresno	26-Aug-11	45- 167	Yes	INC	5	19:55	23:59
224	RT	T-129	PG&E	Fresno	27-Aug-11	5- 250	Yes	INC	24	0:00	23:59
225	RT	T-129	PG&E	Fresno	28-Aug-11	5- 8	No	INC	23	1:35	23:59
226	RT	T-129	PG&E	Fresno	29-Aug-11	10	No	INC	24	0:00	23:59
227	RT	T-129	PG&E	Fresno	30-Aug-11	2- 153	Yes	INC	24	0:00	23:59
228	RT	T-129	PG&E	Fresno	31-Aug-11	5	No	DEC	24	0:10	23:59
229	RT	T-129	PG&E	Fresno	31-Aug-11	5- 50	Yes	INC	24	0:00	23:59
230	RT	T-129	PG&E	N/A	1-Aug-11	300	No	INC	2	14:47	15:59
231	RT	T-129	PG&E	N/A	27-Aug-11	380	No	INC	4	20:46	23:59
232	RT	T-129	PG&E	N/A	28-Aug-11	100- 380	No	INC	23	0:00	22:59
233	RT	T-132	N/A	N/A	1-Aug-11	320- 450	Yes	INC	7	14:40	20:39
234	RT	T-132	N/A	N/A	2-Aug-11	48	Yes	DEC	4	8:00	11:59
235	RT	T-132	N/A	N/A	2-Aug-11	230	Yes	INC	5	7:05	11:59
236	RT	T-132	N/A	N/A	3-Aug-11	475	Yes	INC	1	13:35	13:49
237	RT	T-132	N/A	N/A	6-Aug-11	350	Yes	INC	7	13:25	19:14
238	RT	T-132	SCE	LA Basin	3-Aug-11	125	Yes	INC	4	16:03	19:59
239	RT	T-132	SCE	N/A	3-Aug-11	65- 73	No	INC	7	13:45	19:59
240	RT	T-132	SDG&E	N/A	1-Aug-11	41- 121	Yes	DEC	7	14:04	20:59
241	RT	T-132	SDG&E	N/A	1-Aug-11	25- 320	No	INC	7	14:04	20:59
242	RT	T-132	SDG&E	N/A	2-Aug-11	73- 124	Yes	DEC	8	14:00	21:59
243	RT	T-132	SDG&E	N/A	2-Aug-11	310- 475	No	INC	8	12:00	19:59
244	RT	T-132	SDG&E	N/A	3-Aug-11	64- 119	No	DEC	6	14:00	19:59

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
245	RT	T-132	SDG&E	N/A	3-Aug-11	475	No	INC	1	13:22	13:46
246	RT	T-132	SDG&E	N/A	6-Aug-11	4- 10	Yes	DEC	7	13:35	19:29
247	RT	T-132	SDG&E	N/A	6-Aug-11	6	Yes	INC	7	13:35	19:29
248	RT	T-138	N/A	N/A	3-Aug-11	27- 29	Yes	INC	8	7:15	14:59
249	RT	T-138	N/A	N/A	15-Aug-11	32	Yes	INC	15	9:15	23:49
250	RT	T-138	N/A	N/A	24-Aug-11	29- 73	Yes	INC	12	0:00	11:59
251	RT	T-138	PG&E	Humboldt	2-Aug-11	16- 62	No	INC	24	0:00	23:59
252	RT	T-138	PG&E	Humboldt	3-Aug-11	27- 62	No	INC	24	0:00	23:59
253	RT	T-138	PG&E	Humboldt	13-Aug-11	29	No	INC	1	0:20	0:29
254	RT	T-138	PG&E	Humboldt	15-Aug-11	32	No	INC	13	5:47	17:09
255	RT	T-138	PG&E	Humboldt	24-Aug-11	29- 58	No	INC	8	16:15	23:59
256	RT	T-165	PG&E	Sierra	19-Aug-11	20	Yes	INC	4	18:17	21:09
257	RT	T-165	PG&E	Sierra	20-Aug-11	20	Yes	INC	8	13:30	20:29
258	RT	T-165	PG&E	Sierra	21-Aug-11	20	Yes	INC	7	14:43	20:59
259	RT	T-165	PG&E	Sierra	26-Aug-11	20- 30	Yes	INC	3	21:49	23:59
260	RT	T-165	PG&E	Sierra	27-Aug-11	20- 24	Yes	INC	24	0:00	23:59
261	RT	T-165	PG&E	Sierra	28-Aug-11	20- 45	Yes	INC	4	18:00	21:14
262	RT	T-167	PG&E	Stockton	1-Aug-11	2- 12	No	DEC	24	0:00	23:59
263	RT	T-167	PG&E	Stockton	1-Aug-11	1	No	INC	24	0:00	23:59
264	RT	T-167	PG&E	Stockton	2-Aug-11	12	No	DEC	24	0:00	23:59
265	RT	T-167	PG&E	Stockton	3-Aug-11	1- 12	No	DEC	24	0:00	23:59
266	RT	T-167	PG&E	Stockton	3-Aug-11	4- 5	No	INC	24	0:00	23:59
267	RT	T-167	PG&E	Stockton	4-Aug-11	4- 12	No	DEC	24	0:25	23:59
268	RT	T-167	PG&E	Stockton	5-Aug-11	8- 12	No	DEC	24	0:00	23:59
269	RT	T-167	PG&E	Stockton	6-Aug-11	0- 6	No	DEC	24	0:00	23:59
270	RT	T-167	PG&E	Stockton	6-Aug-11	1- 31	No	INC	24	0:25	23:59
271	RT	T-167	PG&E	Stockton	7-Aug-11	3- 6	No	DEC	24	0:00	23:59
272	RT	T-167	PG&E	Stockton	7-Aug-11	31	No	INC	24	0:00	23:59
273	RT	T-167	PG&E	Stockton	8-Aug-11	0- 6	No	DEC	23	1:20	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
274	RT	T-167	PG&E	Stockton	8-Aug-11	0- 6	No	INC	23	1:20	23:59
275	RT	T-167	PG&E	Stockton	9-Aug-11	5- 6	No	DEC	24	0:00	23:59
276	RT	T-167	PG&E	Stockton	9-Aug-11	4	No	INC	24	0:00	23:59
277	RT	T-167	PG&E	Stockton	10-Aug-11	5- 6	No	DEC	24	0:00	23:59
278	RT	T-167	PG&E	Stockton	10-Aug-11	5- 19	No	INC	24	0:00	23:59
279	RT	T-167	PG&E	Stockton	11-Aug-11	1- 7	No	DEC	24	0:05	23:59
280	RT	T-167	PG&E	Stockton	11-Aug-11	9- 60	No	INC	24	0:00	23:59
281	RT	T-167	PG&E	Stockton	12-Aug-11	6- 7	No	DEC	24	0:45	23:59
282	RT	T-167	PG&E	Stockton	12-Aug-11	12- 60	No	INC	24	0:45	23:59
283	RT	T-167	PG&E	Stockton	13-Aug-11	2- 7	No	DEC	16	8:35	23:59
284	RT	T-167	PG&E	Stockton	13-Aug-11	1- 60	No	INC	16	8:35	23:59
285	RT	T-167	PG&E	Stockton	14-Aug-11	4- 65	No	INC	24	0:00	23:59
286	RT	T-167	PG&E	Stockton	15-Aug-11	4- 65	No	INC	24	0:00	23:59
287	RT	T-167	PG&E	Stockton	16-Aug-11	0- 2	No	DEC	24	0:10	23:59
288	RT	T-167	PG&E	Stockton	16-Aug-11	1- 65	No	INC	24	0:10	23:59
289	RT	T-167	PG&E	Stockton	17-Aug-11	1	No	DEC	18	6:00	23:59
290	RT	T-167	PG&E	Stockton	17-Aug-11	2- 65	No	INC	18	6:00	23:59
291	RT	T-167	PG&E	Stockton	18-Aug-11	1	No	DEC	24	0:00	23:59
292	RT	T-167	PG&E	Stockton	18-Aug-11	2- 65	No	INC	24	0:00	23:59
293	RT	T-167	PG&E	Stockton	19-Aug-11	2	No	DEC	24	0:00	23:59
294	RT	T-167	PG&E	Stockton	19-Aug-11	19- 65	No	INC	24	0:00	23:59
295	RT	T-167	PG&E	Stockton	20-Aug-11	1- 2	No	DEC	24	0:00	23:59
296	RT	T-167	PG&E	Stockton	20-Aug-11	55- 65	No	INC	24	0:00	23:59
297	RT	T-167	PG&E	Stockton	21-Aug-11	2	No	DEC	24	0:00	23:59
298	RT	T-167	PG&E	Stockton	21-Aug-11	65	No	INC	24	0:00	23:59
299	RT	T-167	PG&E	Stockton	22-Aug-11	2	No	DEC	19	5:15	23:59
300	RT	T-167	PG&E	Stockton	22-Aug-11	16- 65	No	INC	19	5:15	23:59
301	RT	T-167	PG&E	Stockton	23-Aug-11	2- 7	No	DEC	20	0:00	19:04
302	RT	T-167	PG&E	Stockton	23-Aug-11	1- 70	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
303	RT	T-167	PG&E	Stockton	24-Aug-11	3- 71	No	INC	24	0:00	23:59
304	RT	T-167	PG&E	Stockton	25-Aug-11	66	No	INC	24	0:00	23:59
305	RT	T-167	PG&E	Stockton	26-Aug-11	0	No	DEC	8	16:10	23:59
306	RT	T-167	PG&E	Stockton	26-Aug-11	66	No	INC	24	0:00	23:59
307	RT	T-167	PG&E	Stockton	27-Aug-11	2	No	DEC	24	0:00	23:59
308	RT	T-167	PG&E	Stockton	27-Aug-11	1- 65	No	INC	24	0:00	23:59
309	RT	T-167	PG&E	Stockton	28-Aug-11	0- 2	No	DEC	23	1:45	23:59
310	RT	T-167	PG&E	Stockton	28-Aug-11	0- 65	No	INC	23	1:45	23:59
311	RT	T-167	PG&E	Stockton	29-Aug-11	0- 2	No	DEC	24	0:00	23:59
312	RT	T-167	PG&E	Stockton	29-Aug-11	1- 65	No	INC	24	0:00	23:59
313	RT	T-167	PG&E	Stockton	30-Aug-11	1- 4	No	DEC	10	14:10	23:59
314	RT	T-167	PG&E	Stockton	30-Aug-11	1- 65	No	INC	24	0:00	23:59
315	RT	T-167	PG&E	Stockton	31-Aug-11	0	No	DEC	24	0:00	23:59
316	RT	T-167	PG&E	Stockton	31-Aug-11	63	No	INC	24	0:00	23:59
317	RT	Transmission Outage Other	PG&E	Humboldt	8-Aug-11	44	No	INC	6	10:30	15:49
318	RT	Transmission Outage Other	PG&E	Humboldt	25-Aug-11	32	No	INC	8	6:07	13:54
319	RT	Transmission Outage PG&E	N/A	N/A	3-Aug-11	2	Yes	DEC	13	7:50	19:04
320	RT	Transmission Outage PG&E	N/A	N/A	3-Aug-11	15- 29	Yes	INC	13	7:50	19:04
321	RT	Transmission Outage PG&E	N/A	N/A	16-Aug-11	0	Yes	DEC	6	10:30	15:34
322	RT	Transmission Outage PG&E	N/A	N/A	16-Aug-11	4- 80	Yes	INC	23	0:55	22:59
323	RT	Transmission Outage PG&E	N/A	N/A	17-Aug-11	3- 49	Yes	INC	24	0:55	23:59
324	RT	Transmission Outage PG&E	N/A	N/A	18-Aug-11	3- 78	Yes	INC	24	0:00	23:59
325	RT	Transmission Outage PG&E	N/A	N/A	19-Aug-11	3- 32	Yes	INC	22	0:00	21:14
326	RT	Transmission Outage PG&E	N/A	N/A	22-Aug-11	32	Yes	INC	11	5:10	15:59
327	RT	Transmission Outage PG&E	N/A	N/A	23-Aug-11	0	No	DEC	1	19:00	19:09
328	RT	Transmission Outage PG&E	N/A	N/A	23-Aug-11	32- 76	Yes	INC	18	6:35	23:59
329	RT	Transmission Outage PG&E	N/A	N/A	25-Aug-11	29- 32	Yes	INC	6	18:25	23:59
330	RT	Transmission Outage PG&E	N/A	N/A	26-Aug-11	1- 4	Yes	DEC	23	0:00	22:59
331	RT	Transmission Outage PG&E	N/A	N/A	26-Aug-11	29- 77	Yes	INC	23	0:00	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
332	RT	Transmission Outage PG&E	N/A	N/A	27-Aug-11	1	Yes	DEC	24	0:00	23:09
333	RT	Transmission Outage PG&E	N/A	N/A	27-Aug-11	32	Yes	INC	24	0:00	23:09
334	RT	Transmission Outage PG&E	N/A	N/A	28-Aug-11	29	No	INC	5	19:15	23:59
335	RT	Transmission Outage PG&E	N/A	N/A	29-Aug-11	32- 64	Yes	INC	6	7:10	12:59
336	RT	Transmission Outage PG&E	N/A	N/A	30-Aug-11	29	Yes	INC	18	6:45	23:59
337	RT	Transmission Outage PG&E	N/A	N/A	31-Aug-11	15- 47	Yes	INC	6	6:40	11:29
338	RT	Transmission Outage PG&E	PG&E	Bay Area	26-Aug-11	19	No	INC	11	7:17	17:59
339	RT	Transmission Outage PG&E	PG&E	Fresno	1-Aug-11	33- 144	Yes	INC	11	13:26	23:54
340	RT	Transmission Outage PG&E	PG&E	Fresno	2-Aug-11	48	Yes	INC	3	19:15	21:59
341	RT	Transmission Outage PG&E	PG&E	Humboldt	3-Aug-11	29	No	INC	1	23:44	23:58
342	RT	Transmission Outage PG&E	PG&E	Humboldt	4-Aug-11	28- 60	No	INC	19	0:00	18:29
343	RT	Transmission Outage PG&E	PG&E	Humboldt	5-Aug-11	15- 32	No	INC	12	0:13	11:59
344	RT	Transmission Outage PG&E	PG&E	Humboldt	8-Aug-11	15- 59	No	INC	19	5:21	23:59
345	RT	Transmission Outage PG&E	PG&E	Humboldt	9-Aug-11	44- 60	No	INC	24	0:00	23:59
346	RT	Transmission Outage PG&E	PG&E	Humboldt	10-Aug-11	44- 77	No	INC	24	0:00	23:59
347	RT	Transmission Outage PG&E	PG&E	Humboldt	11-Aug-11	29- 77	No	INC	24	0:00	23:59
348	RT	Transmission Outage PG&E	PG&E	Humboldt	12-Aug-11	29- 32	No	INC	24	0:00	23:59
349	RT	Transmission Outage PG&E	PG&E	Humboldt	16-Aug-11	32- 48	No	INC	7	5:32	11:59
350	RT	Transmission Outage PG&E	PG&E	Humboldt	17-Aug-11	32	No	INC	1	0:35	0:59
351	RT	Transmission Outage PG&E	PG&E	Humboldt	18-Aug-11	29- 46	No	INC	2	19:11	20:59
352	RT	Transmission Outage PG&E	PG&E	Humboldt	19-Aug-11	32- 96	No	INC	7	17:43	23:59
353	RT	Transmission Outage PG&E	PG&E	Humboldt	20-Aug-11	32- 64	No	INC	24	0:00	23:19
354	RT	Transmission Outage PG&E	PG&E	Humboldt	21-Aug-11	32- 64	No	INC	24	0:00	23:58
355	RT	Transmission Outage PG&E	PG&E	Humboldt	22-Aug-11	16- 32	No	INC	24	0:00	23:59
356	RT	Transmission Outage PG&E	PG&E	Humboldt	23-Aug-11	16- 76	No	INC	24	0:00	23:58
357	RT	Transmission Outage PG&E	PG&E	Humboldt	24-Aug-11	29- 58	No	INC	18	5:32	22:14
358	RT	Transmission Outage PG&E	PG&E	Humboldt	25-Aug-11	32- 73	No	INC	22	0:00	21:59
359	RT	Transmission Outage PG&E	PG&E	Humboldt	28-Aug-11	29- 60	No	INC	7	17:05	23:59
360	RT	Transmission Outage PG&E	PG&E	Humboldt	29-Aug-11	15- 64	No	INC	19	5:30	23:58

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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
361	RT	Transmission Outage PG&E	PG&E	Humboldt	30-Aug-11	29	No	INC	9	0:00	8:59
362	RT	Transmission Outage PG&E	PG&E	Humboldt	31-Aug-11	15- 32	No	INC	16	6:25	21:59
363	RT	Transmission Outage PG&E	PG&E	N/A	17-Aug-11	154- 172	No	DEC	3	15:52	17:24
364	RT	Transmission Outage PG&E	PG&E	N/A	17-Aug-11	0	Yes	INC	3	15:52	17:24
365	RT	Transmission Outage PG&E	PG&E	N/A	19-Aug-11	6	No	DEC	6	0:00	5:29
366	RT	Transmission Outage PG&E	PG&E	NCNB	3-Aug-11	21- 30	No	DEC	7	3:15	9:59
367	RT	Transmission Outage PG&E	PG&E	Sierra	11-Aug-11	13	No	DEC	1	8:00	8:59
368	RT	Transmission Outage PG&E	PG&E	Sierra	12-Aug-11	0	Yes	INC	2	9:00	10:04
369	RT	Transmission Outage SCE	SCE	Big Creek- Ventura	4-Aug-11	54	Yes	INC	5	10:29	14:34
370	RT	Transmission Outage SCE	SCE	LA Basin	16-Aug-11	10	Yes	INC	15	9:00	23:59
371	RT	Transmission Outage SCE	SCE	LA Basin	27-Aug-11	113- 160	Yes	DEC	7	10:35	16:44
372	RT	Transmission Outage SCE	SCE	LA Basin	27-Aug-11	50- 570	Yes	INC	3	9:55	11:34
373	RT	Transmission Outage SDG&E	SDG&E	San Diego	2-Aug-11	18- 64	Yes	INC	4	8:30	11:14
374	RT	Transmission Outage SDG&E	SDG&E	San Diego	4-Aug-11	31- 61	Yes	INC	8	7:00	14:59
375	RT	Transmission Outage SDG&E	SDG&E	San Diego	16-Aug-11	3	Yes	DEC	14	8:35	21:59
376	RT	Transmission Outage SDG&E	SDG&E	San Diego	16-Aug-11	45	Yes	INC	14	8:21	21:59
377	RT	Transmission Outage SDG&E	SDG&E	San Diego	17-Aug-11	47	Yes	INC	2	8:50	9:15
378	RT	Transmission Outage SDG&E	SDG&E	San Diego	18-Aug-11	45	Yes	INC	2	8:24	9:59
379	RT	Transmission Outage SDG&E	SDG&E	San Diego	19-Aug-11	45	Yes	INC	9	13:24	21:59
380	RT	Transmission Outage SDG&E	SDG&E	San Diego	22-Aug-11	3	Yes	DEC	8	10:10	17:59
381	RT	Transmission Outage SDG&E	SDG&E	San Diego	22-Aug-11	45- 90	Yes	INC	9	9:50	17:59
382	RT	Transmission Outage SDG&E	SDG&E	San Diego	23-Aug-11	3	Yes	DEC	12	8:55	19:59
383	RT	Transmission Outage SDG&E	SDG&E	San Diego	23-Aug-11	45	Yes	INC	12	8:55	19:59
384	RT	Transmission Outage SDG&E	SDG&E	San Diego	24-Aug-11	3	Yes	DEC	4	11:35	14:14
385	RT	Transmission Outage SDG&E	SDG&E	San Diego	24-Aug-11	45	Yes	INC	4	11:35	14:14
386	RT	Transmission Outage SDG&E	SDG&E	San Diego	29-Aug-11	3	Yes	DEC	5	10:40	14:09
387	RT	Transmission Outage SDG&E	SDG&E	San Diego	29-Aug-11	51- 171	Yes	INC	5	10:10	14:09
388	RT	Unit Testing	N/A	N/A	10-Aug-11	310- 635	No	INC	3	9:05	11:40

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
389	RT	Wrong Start Time	PG&E	N/A	26-Aug-11	0	Yes	INC	5	0:00	4:58
390	RT	Wrong Start Time	SCE	Big Creek-Ventura	26-Aug-11	0	Yes	INC	4	0:00	3:58

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 column shows hour ending 5 as this was the hour ending for first dispatch of the day, and the End Time column shows hour ending 23, as this was the hour with last dispatch. It is also possible that there might be 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 column shows the time of the first dispatch of the day. This is a time not a range. Similarly the End Time column shows a time and not a range. Exceptional dispatches occurred between these two times. Since there was a commitment between the begin time and end time then the Commitment column displays yes for the summary. Similarly, the INC/DEC column shows an INC as there was an incremental dispatch between the begin time and end time. As mentioned in the previous example it is possible that there might be 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 14th day of October, 2011.

Anna Pascuzzo
Anna Pascuzzo