



Exceptional Dispatch Report

Table 1: October 2009

TABLE OF CONTENTS

Introduction	3
The Nature of Exceptional Dispatch.....	3
Appendix A: Explanation by Example	27
Example 1: Exceptional Dispatch Instructions Prior to DAM	27
Example 2: Incremental Exceptional Dispatch Instructions in RTM.....	28
Example 3: Decremental Exceptional Dispatch Instructions in RTM.....	30

LIST OF TABLES AND FIGURES

Table 1: Exceptional Dispatches in October 2009	6
Table 2: Instructions Prior to Day-Ahead Market	27
Table 3: FERC Summary of Instructions Prior to DAM	28
Table 4: Incremental Exceptional Dispatch Instructions in RTM	28
Table 5: FERC Summary of ED Instructions in RTM	29
Table 6: Decremental Exceptional Dispatch Instructions in RTM	30
Table 7: FERC Summary of Decremental ED Instructions in RTM.....	30

Introduction

This report is filed pursuant to the FERC September 2nd order in ER08-1175, which prescribed a particular format for all exceptional dispatch reporting. This report follows that format as modified by the ISO's request for clarification filed on September 14, 2009.

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 intertie 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.

In October, the ISO issued exceptional dispatches for following local area generation requirements: (1) G-206, San Diego area generation requirements.

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>

(2) G-217, South of Lugo generation requirements; and (3) G-219, SCE area generation requirements; Exceptional dispatch instructions were also issued for following transmission management requirements: (1) T-103, Southern California import transmission (SCIT) nomogram; (2) T-129, transmission facilities in Fresno area; (3) T-133, transmission facilities in Bay Area; (4) T-138, transmission facilities in Humboldt area; (5) T-151, North Geysers Area 115 kV Lines; and (6) other transmission outages in PG&E, SCE and SDGE area.

The following additional reasons for exceptional dispatch instructions in October were not related to specific generation or transmission operating procedures: (1) Intertie emergency assistance, when CAISO was providing assistance to its neighboring control area; (2) 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.); (3) Market Disruption, when the exceptional dispatch instructions were issued due to HASP failures; (4) Thermal Margin, when the exceptional dispatch instructions were issued due to load forecast uncertainty ; (5) SCE Import Limit, the import limit that applies specifically to the SCE area (SCE_PCT_IMP_BG)³; and (6) 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 capability of 2 MW/min at its physical minimum of 100 MW, but a significantly higher ramp rate of 10 MW/min a 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 order⁴. 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”)

³ The detailed explanation about the SCE import limit can be found in the technical bulletin available at the following link: <http://www.aiso.com/2381/2381f87327f70.html>

⁴ 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 October.

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 hours column is the difference of 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.

As Table 1 indicates, there were a total of 328 exceptional dispatches in October, a decrease as compared to the 496 reported in the November report. Real-time exceptional dispatches in October accounted for approximately 91 percent of all exceptional dispatches categorized by date and reason. Exceptional dispatches issued for the following reasons accounted for approximately 70 percent of the total exceptional dispatches during the reporting period: Software Limitation, Transmission Outage in PGAE area, transmission management for Humboldt area (T-138), SP26 Capacity, Ramp Rate, and Transmission Outage SCE. In day-ahead market, 60 percent of the exceptional dispatches were due to SP26 Capacity. In real-time market, approximately 62 percent of the exceptional dispatches were issued for Software Limitation, Transmission Outage in PGAE area, transmission management for Humboldt area (T-138), and Ramp Rate.

As of November 11, 2009, the ISO began enforcing the SCE import limit (SCE_PCT_IMP_BG) in the market so that the ISO congestion related to this limit may be managed through the market optimization. During the reporting period, there were 9 exceptional dispatches in real-time market due to SCE import limit, accounting for approximately 2.7 percent of all exceptional dispatches categorized by date and reason.

Table 1: Exceptional Dispatches in October 2009

California Independent System Operator Corporation Exceptional Dispatch Report December 15, 2009											
Chart 1: Table of Exceptional Dispatches for Period 01/Oct/2009 - 31/Oct/2009											
Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DE C	Hours	Begin Time	End Time
1	DA	G-206	SDGE	San Diego	10/1/2009	20	Yes	N/A	24	0:00	23:00
2	DA	SP26 Capacity	SCE	LA Basin	10/18/2009	60	Yes	N/A	10	0:00	9:00
3	DA	SP26 Capacity	SDGE	San Diego	10/1/2009	20	Yes	N/A	24	0:00	23:00
4	DA	SP26 Capacity	SDGE	San Diego	10/2/2009	40	Yes	N/A	24	0:00	23:00
5	DA	SP26 Capacity	SDGE	San Diego	10/3/2009	20	Yes	N/A	24	0:00	23:00
6	DA	SP26 Capacity	SDGE	San Diego	10/4/2009	20	Yes	N/A	24	0:00	23:00
7	DA	SP26 Capacity	SDGE	San Diego	10/5/2009	20	Yes	N/A	24	0:00	23:00
8	DA	SP26 Capacity	SDGE	San Diego	10/7/2009	20	Yes	N/A	24	0:00	23:00
9	DA	SP26 Capacity	SDGE	San Diego	10/8/2009	40	Yes	N/A	24	0:00	23:00
10	DA	SP26 Capacity	SDGE	San Diego	10/11/2009	20	Yes	N/A	18	6:00	23:00
11	DA	SP26 Capacity	SDGE	San Diego	10/22/2009	20	Yes	N/A	24	0:00	23:00
12	DA	SP26 Capacity	SDGE	San Diego	10/23/2009	20	Yes	N/A	24	0:00	23:00

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DE C	Hours	Begin Time	End Time
					9						0
13	DA	SP26 Capacity	SDGE	San Diego	10/24/2009	20	Yes	N/A	24	0:00	23:00
14	DA	SP26 Capacity	SDGE	San Diego	10/25/2009	20	Yes	N/A	24	0:00	23:00
15	DA	SP26 Capacity	SDGE	San Diego	10/26/2009	20-60	Yes	N/A	24	0:00	23:00
16	DA	SP26 Capacity	SDGE	San Diego	10/27/2009	40	Yes	N/A	24	0:00	23:00
17	DA	SP26 Capacity	SDGE	San Diego	10/28/2009	20	Yes	N/A	24	0:00	23:00
18	DA	SP26 Capacity	SDGE	San Diego	10/30/2009	20	Yes	N/A	24	0:00	23:00
19	DA	SP26 Capacity	SDGE	San Diego	10/31/2009	20	Yes	N/A	24	0:00	23:00
20	DA	Transmission Outage Other	SCE	Big Creek-Ventura	10/14/2009	100	Yes	N/A	22	2:00	23:00
21	DA	Transmission Outage Other	SCE	Big Creek-Ventura	10/18/2009	140	Yes	N/A	10	0:00	9:00
22	DA	Transmission Outage Other	SCE	LA Basin	10/18/2009	45	Yes	N/A	10	0:00	9:00
23	DA	Transmission Outage Other	SDGE	San Diego	10/18/2009	20	Yes	N/A	10	0:00	9:00
24	DA	Transmission Outage SCE	SCE	Big Creek-Ventura	10/5/2009	20	Yes	N/A	18	4:00	21:00
25	DA	Transmission Outage SCE	SCE	Big Creek-Ventura	10/15/2009	100	Yes	N/A	20	2:00	21:00
26	DA	Transmission Outage SCE	SCE	LA Basin	10/5/2009	20	Yes	N/A	24	0:00	23:00
27	DA	Transmission Outage SCE	SCE	LA Basin	10/14/2009	20	Yes	N/A	24	0:00	23:00
28	DA	Transmission Outage SCE	SCE	LA Basin	10/19/2009	20	Yes	N/A	24	0:00	23:00

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
					9						0
29	DA	Transmission Outage SCE	SCE	LA Basin	10/22/2009	20	Yes	N/A	24	0:00	23:00
30	DA	Transmission Outage SDGE	SDGE	San Diego	10/30/2009	40	Yes	N/A	20	0:00	19:00
31	RT	Circulation	N/A	N/A	10/23/2009	1100	No	INC	1	23:30	23:59
32	RT	G-206	SDGE	San Diego	10/18/2009	20	YES	INC	1	23:00	23:59
33	RT	G-206	SDGE	San Diego	10/19/2009	20	YES	INC	1	23:00	23:59
34	RT	G-206	SDGE	San Diego	10/21/2009	40	YES	INC	23	1:55	23:59
35	RT	G-217	SCE	LA Basin	10/13/2009	17	YES	DEC	1	0:25	0:29
36	RT	G-217	SCE	LA Basin	10/13/2009	20	YES	INC	22	1:00	22:44
37	RT	G-217	SCE	LA Basin	10/14/2009	20	YES	INC	10	14:00	23:59
38	RT	G-217	SCE	LA Basin	10/22/2009	20 - 111	YES	INC	2	22:00	23:59
39	RT	G-217	SCE	LA Basin	10/31/2009	20	YES	INC	22	2:00	23:59
40	RT	G-219	SCE	LA Basin	10/23/2009	152 - 195	YES	DEC	8	11:10	18:09
41	RT	G-219	SCE	LA Basin	10/23/2009	20 - 111	YES	INC	2	22:00	23:59
42	RT	G-219	SCE	LA Basin	10/24/2009	20	YES	INC	23	1:00	23:59
43	RT	G-219	SCE	LA Basin	10/25/2009	20	YES	INC	24	0:00	23:59
44	RT	Intertie Emergency	N/A	N/A	10/13/2009	190 -	No	INC	4	13:49	16:5

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
		Assistance			9	400					9
45	RT	Intertie Emergency Assistance	N/A	N/A	10/19/2009	100	No	INC	1	6:27	6:59
46	RT	Load Forecast Uncertainty	SCE	Big Creek-Ventura	10/18/2009	100	YES	INC	14	10:00	23:59
47	RT	Loss of Generation	SCE	Big Creek-Ventura	10/15/2009	20	YES	INC	14	10:00	23:59
48	RT	Loss of Generation	SCE	LA Basin	10/15/2009	20	YES	INC	10	14:30	23:59
49	RT	Loss of Generation	SDGE	San Diego	10/2/2009	46	YES	INC	3	11:40	13:59
50	RT	Maintain Operating Reserve	PG&E	Fresno	10/14/2009	83	YES	INC	1	19:00	19:09
51	RT	Market Disruption	N/A	N/A	10/1/2009	2	YES	INC	1	18:00	18:59
52	RT	Market Disruption	N/A	N/A	10/13/2009	3	No	DEC	1	18:00	18:59
53	RT	Market Disruption	N/A	N/A	10/13/2009	600	YES	INC	1	18:00	18:59
54	RT	Market Disruption	N/A	N/A	10/15/2009	1	YES	INC	1	1:00	1:59
55	RT	Market Disruption	N/A	N/A	10/21/2009	25	YES	INC	1	10:00	10:59
56	RT	Market Disruption	N/A	N/A	10/22/2009	175	No	DEC	1	13:00	13:59
57	RT	Market Disruption	N/A	N/A	10/22/2009	25	No	INC	1	12:00	12:59
58	RT	Market Disruption	N/A	N/A	10/27/2009	48	No	INC	1	7:00	7:59
59	RT	Market Disruption	N/A	N/A	10/28/2009	775	YES	DEC	1	7:00	7:59
60	RT	Market Disruption	N/A	N/A	10/28/2009	125	YES	INC	1	7:00	7:59

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
					9						
61	RT	Path 15	PGAE	Stockton	10/13/2009	120	YES	INC	4	17:35	20:59
62	RT	Path 26	N/A	N/A	10/27/2009	200	No	INC	1	6:06	6:19
63	RT	Path 26	PGAE	Bay Area	10/27/2009	324	No	DEC	2	5:55	6:14
64	RT	Path 26	PGAE	Bay Area	10/27/2009	85 - 151	No	INC	2	5:55	6:14
65	RT	Path 26	PGAE	Fresno	10/20/2009	0	No	INC	10	0:40	9:59
66	RT	Path 26	PGAE	Fresno	10/27/2009	0	YES	INC	2	5:52	6:09
67	RT	Path 26	PGAE	Fresno	10/28/2009	155 - 190	No	INC	5	0:00	4:59
68	RT	Path 26	SCE	Big Creek-Ventura	10/27/2009	260	No	DEC	2	5:55	6:14
69	RT	Path 26	SCE	Big Creek-Ventura	10/27/2009	4	No	INC	2	5:55	6:14
70	RT	Path 26	SDGE	N/A	10/27/2009	492	No	DEC	1	6:00	6:21
71	RT	Path 26	SDGE	San Diego	10/27/2009	213 - 249	No	DEC	2	5:54	6:09
72	RT	Ramp Rate	SCE	Big Creek-Ventura	10/5/2009	30	YES	INC	2	18:30	19:34
73	RT	Ramp Rate	SCE	Big Creek-Ventura	10/14/2009	157	YES	DEC	8	14:25	21:59
74	RT	Ramp Rate	SCE	Big Creek-Ventura	10/14/2009	100	YES	INC	8	14:25	21:59
75	RT	Ramp Rate	SCE	Big Creek-Ventura	10/16/2009	250 - 450	YES	INC	9	13:25	21:59
76	RT	Ramp Rate	SCE	Big Creek-	10/17/2009	250	YES	INC	9	13:25	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
				Ventura	9						9
77	RT	Ramp Rate	SCE	Big Creek-Ventura	10/18/2009	50 - 250	YES	INC	13	9:05	21:59
78	RT	Ramp Rate	SCE	LA Basin	10/11/2009	72	No	INC	6	16:00	21:59
79	RT	Ramp Rate	SCE	LA Basin	10/13/2009	72	No	INC	5	17:25	21:59
80	RT	Ramp Rate	SCE	LA Basin	10/14/2009	72	No	INC	5	17:05	21:59
81	RT	Ramp Rate	SCE	LA Basin	10/15/2009	71	YES	INC	6	17:55	22:29
82	RT	Ramp Rate	SCE	LA Basin	10/16/2009	24 - 179	No	DEC	17	5:00	21:59
83	RT	Ramp Rate	SCE	LA Basin	10/16/2009	71	No	INC	17	5:00	21:59
84	RT	Ramp Rate	SCE	LA Basin	10/18/2009	43 - 249	No	DEC	6	16:30	21:59
85	RT	Ramp Rate	SCE	LA Basin	10/18/2009	71	No	INC	6	16:30	21:59
86	RT	Ramp Rate	SCE	LA Basin	10/19/2009	178	YES	DEC	3	17:20	19:59
87	RT	Ramp Rate	SCE	LA Basin	10/24/2009	380	YES	INC	3	17:21	19:59
88	RT	Ramp Rate	SCE	LA Basin	10/26/2009	226 - 277	YES	DEC	4	17:20	20:59
89	RT	Ramp Rate	SCE	LA Basin	10/27/2009	380	YES	INC	5	16:50	20:59
90	RT	Ramp Rate	SCE	LA Basin	10/28/2009	380	YES	INC	6	15:15	20:59
91	RT	Ramp Rate	SCE	LA Basin	10/31/2009	170 - 190	No	INC	4	16:00	19:59
92	RT	SCE Import Limit	SCE	Big Creek-	10/22/2009	7	YES	DEC	2	12:30	13:4

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DE C	Hours	Begin Time	End Time
				Ventura	9						4
93	RT	SCE Import Limit	SCE	Big Creek-Ventura	10/22/2009	2 - 14	YES	INC	2	12:11	13:44
94	RT	SCE Import Limit	SCE	LA Basin	10/22/2009	66 - 277	YES	DEC	11	12:11	22:59
95	RT	SCE Import Limit	SCE	LA Basin	10/22/2009	122 - 246	YES	INC	3	20:25	22:59
96	RT	SCE Import Limit	SCE	LA Basin	10/23/2009	22 - 231	No	DEC	15	7:15	21:59
97	RT	SCE Import Limit	SCE	LA Basin	10/23/2009	17 - 278	No	INC	15	7:15	21:59
98	RT	SCE Import Limit	SCE	LA Basin	10/29/2009	126 - 253	YES	INC	4	18:30	21:59
99	RT	SCE Import Limit	SCE	LA Basin	10/31/2009	60 - 165	No	DEC	3	20:10	22:14
100	RT	SCE Import Limit	SCE	LA Basin	10/31/2009	250 - 300	No	INC	3	19:55	21:14
101	RT	SP26 Capacity	SCE	LA Basin	10/3/2009	20	YES	INC	24	0:00	23:59
102	RT	SP26 Capacity	SCE	LA Basin	10/16/2009	10 - 30	YES	INC	18	6:00	23:59
103	RT	SP26 Capacity	SCE	LA Basin	10/17/2009	20	YES	INC	24	0:00	23:59
104	RT	SP26 Capacity	SCE	LA Basin	10/18/2009	20	YES	INC	24	0:00	23:59
105	RT	SP26 Capacity	SCE	LA Basin	10/26/2009	20 - 40	YES	INC	3	21:00	23:59
106	RT	SP26 Capacity	SCE	LA Basin	10/27/2009	151	YES	INC	24	0:00	23:59
107	RT	SP26 Capacity	SDGE	San Diego	10/11/2009	20	YES	INC	12	12:00	23:59
108	RT	SP26 Capacity	SDGE	San Diego	10/15/2009	20	YES	INC	2	22:00	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
					9						9
109	RT	SP26 Capacity	SDGE	San Diego	10/20/2009	0	YES	INC	1	23:00	23:59
110	RT	SP26 Capacity	SDGE	San Diego	10/28/2009	20	YES	INC	24	0:04	23:59
111	RT	Software Limitation	N/A	N/A	10/7/2009	30	No	DEC	3	6:00	8:34
112	RT	Software Limitation	PGAE	Bay Area	10/8/2009	0	YES	INC	2	0:00	1:59
113	RT	Software Limitation	PGAE	Bay Area	10/10/2009	0	No	INC	2	0:45	1:59
114	RT	Software Limitation	PGAE	Bay Area	10/13/2009	247	YES	DEC	2	19:45	20:59
115	RT	Software Limitation	PGAE	Bay Area	10/22/2009	0	YES	INC	1	12:15	12:44
116	RT	Software Limitation	PGAE	Bay Area	10/24/2009	6 - 7	YES	DEC	2	10:45	11:29
117	RT	Software Limitation	PGAE	Bay Area	10/26/2009	170	YES	DEC	7	0:20	6:19
118	RT	Software Limitation	PGAE	Bay Area	10/26/2009	0	YES	INC	7	0:00	6:19
119	RT	Software Limitation	PGAE	Bay Area	10/27/2009	45	YES	INC	5	0:00	4:59
120	RT	Software Limitation	PGAE	N/A	10/2/2009	0	YES	INC	1	8:45	8:44
121	RT	Software Limitation	PGAE	N/A	10/3/2009	0	YES	INC	9	15:20	23:49
122	RT	Software Limitation	PGAE	N/A	10/6/2009	250	No	DEC	5	2:25	6:24
123	RT	Software Limitation	PGAE	N/A	10/6/2009	0	No	INC	5	2:25	6:24
124	RT	Software Limitation	PGAE	N/A	10/12/2009	0	YES	INC	7	17:35	23:59
125	RT	Software Limitation	PGAE	N/A	10/13/2009	338 - 362	YES	DEC	2	16:30	17:14
126	RT	Software Limitation	PGAE	N/A	10/27/2009	20	No	DEC	5	0:00	4:59

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DE C	Hours	Begin Time	End Time
127	RT	Software Limitation	PGAE	N/A	10/27/2009	68 - 968	No	INC	5	0:00	4:59
128	RT	Software Limitation	PGAE	Fresno	10/1/2009	0	YES	INC	1	23:00	23:59
129	RT	Software Limitation	PGAE	Fresno	10/2/2009	0	YES	INC	9	0:00	8:44
130	RT	Software Limitation	PGAE	Fresno	10/3/2009	0	YES	INC	3	15:20	17:39
131	RT	Software Limitation	PGAE	Fresno	10/5/2009	308	YES	DEC	21	3:00	23:59
132	RT	Software Limitation	PGAE	Fresno	10/6/2009	235 - 354	YES	DEC	8	0:00	7:14
133	RT	Software Limitation	PGAE	Fresno	10/6/2009	240	YES	INC	1	23:00	23:59
134	RT	Software Limitation	PGAE	Fresno	10/7/2009	240	No	INC	24	0:10	23:49
135	RT	Software Limitation	PGAE	Fresno	10/8/2009	0	YES	INC	3	4:35	6:34
136	RT	Software Limitation	PGAE	Fresno	10/11/2009	235	YES	DEC	1	10:00	10:15
137	RT	Software Limitation	PGAE	Fresno	10/12/2009	0	No	INC	5	5:55	9:59
138	RT	Software Limitation	PGAE	Fresno	10/14/2009	83	No	DEC	8	2:20	9:59
139	RT	Software Limitation	PGAE	Fresno	10/14/2009	0	No	INC	8	2:20	9:59
140	RT	Software Limitation	PGAE	Fresno	10/15/2009	0	YES	INC	6	3:30	8:59
141	RT	Software Limitation	PGAE	Fresno	10/19/2009	200	No	DEC	4	20:45	23:59
142	RT	Software Limitation	PGAE	Fresno	10/19/2009	0	No	INC	4	20:45	23:59
143	RT	Software Limitation	PGAE	Fresno	10/20/2009	200	No	DEC	4	20:10	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
144	RT	Software Limitation	PGAE	Fresno	10/20/2009	0	No	INC	24	0:00	23:59
145	RT	Software Limitation	PGAE	Fresno	10/21/2009	0	No	INC	2	0:00	1:59
146	RT	Software Limitation	PGAE	Fresno	10/22/2009	0	No	INC	1	0:00	0:59
147	RT	Software Limitation	PGAE	Fresno	10/25/2009	308	No	DEC	8	1:10	8:09
148	RT	Software Limitation	PGAE	Fresno	10/28/2009	308	No	DEC	1	6:22	6:39
149	RT	Software Limitation	PGAE	Fresno	10/31/2009	0	No	INC	1	23:15	23:59
150	RT	Software Limitation	PGAE	Humboldt	10/2/2009	0	YES	INC	1	9:05	9:34
151	RT	Software Limitation	PGAE	Sierra	10/3/2009	69	YES	DEC	2	15:20	16:29
152	RT	Software Limitation	SCE	Big Creek-Ventura	10/13/2009	10	YES	DEC	1	11:15	11:59
153	RT	Software Limitation	SCE	Big Creek-Ventura	10/28/2009	0	YES	INC	2	22:45	23:14
154	RT	Software Limitation	SCE	N/A	10/28/2009	16	YES	DEC	1	0:15	0:19
155	RT	Software Limitation	SCE	LA Basin	10/1/2009	0	YES	INC	2	17:10	18:09
156	RT	Software Limitation	SCE	LA Basin	10/2/2009	0	YES	INC	6	8:45	13:24
157	RT	Software Limitation	SCE	LA Basin	10/3/2009	240 - 258	No	DEC	2	20:55	21:29
158	RT	Software Limitation	SCE	LA Basin	10/3/2009	0	YES	INC	9	15:20	23:59
159	RT	Software Limitation	SCE	LA Basin	10/4/2009	0	No	INC	14	0:00	13:59
160	RT	Software Limitation	SCE	LA Basin	10/13/2009	20	YES	INC	1	22:00	22:5

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DE C	Hours	Begin Time	End Time
					9						9
161	RT	Software Limitation	SCE	LA Basin	10/14/2009	0	No	INC	5	14:10	18:09
162	RT	Software Limitation	SCE	LA Basin	10/15/2009	0	No	INC	5	0:20	4:19
163	RT	Software Limitation	SCE	LA Basin	10/16/2009	91 - 205	No	DEC	16	8:00	23:59
164	RT	Software Limitation	SCE	LA Basin	10/16/2009	0	YES	INC	19	0:30	18:19
165	RT	Software Limitation	SCE	LA Basin	10/18/2009	0	YES	INC	3	6:05	8:04
166	RT	Software Limitation	SCE	LA Basin	10/22/2009	0	YES	INC	2	8:35	9:19
167	RT	Software Limitation	SCE	LA Basin	10/27/2009	2	No	DEC	5	0:00	4:59
168	RT	Software Limitation	SCE	LA Basin	10/27/2009	314 - 854	No	INC	5	0:00	4:59
169	RT	Software Limitation	SCE	LA Basin	10/31/2009	190	YES	INC	2	19:55	20:29
170	RT	Software Limitation	SDGE	N/A	10/5/2009	25	YES	DEC	2	1:45	2:29
171	RT	Software Limitation	SDGE	N/A	10/26/2009	200 - 250	No	DEC	2	0:00	1:34
172	RT	Software Limitation	SDGE	San Diego	10/1/2009	0	YES	INC	2	18:55	19:34
173	RT	Software Limitation	SDGE	San Diego	10/2/2009	0	YES	INC	10	8:45	17:49
174	RT	Software Limitation	SDGE	San Diego	10/6/2009	0	No	INC	2	6:30	7:14
175	RT	Software Limitation	SDGE	San Diego	10/7/2009	0	YES	INC	5	0:00	4:34
176	RT	Software Limitation	SDGE	San Diego	10/8/2009	0	YES	INC	1	23:55	23:59
177	RT	Software Limitation	SDGE	San Diego	10/9/2009	0	YES	INC	1	0:00	0:24
178	RT	Software Limitation	SDGE	San Diego	10/10/2009	0	YES	INC	1	1:05	1:34

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
					9						
179	RT	Software Limitation	SDGE	San Diego	10/12/2009	0	YES	INC	2	15:25	16:04
180	RT	Software Limitation	SDGE	San Diego	10/17/2009	30 - 50	YES	DEC	2	9:45	10:04
181	RT	Software Limitation	SDGE	San Diego	10/18/2009	0	YES	INC	2	1:40	2:09
182	RT	Software Limitation	SDGE	San Diego	10/24/2009	290	No	INC	1	23:00	23:59
183	RT	Software Limitation	SDGE	San Diego	10/25/2009	306	YES	DEC	1	11:05	11:59
184	RT	Software Limitation	SDGE	San Diego	10/25/2009	0	YES	INC	1	23:50	23:59
185	RT	Software Limitation	SDGE	San Diego	10/26/2009	0	YES	INC	1	0:00	0:19
186	RT	Software Limitation	SDGE	San Diego	10/27/2009	0	YES	INC	1	3:05	3:59
187	RT	System Energy	N/A	N/A	10/13/2009	550	YES	INC	1	16:00	16:59
188	RT	System Energy	N/A	N/A	10/15/2009	450	YES	INC	1	18:00	18:59
189	RT	System Energy	N/A	N/A	10/16/2009	75	No	DEC	1	14:00	14:59
190	RT	System Energy	N/A	N/A	10/16/2009	42	No	INC	1	14:00	14:59
191	RT	System Energy	N/A	N/A	10/27/2009	359	YES	INC	1	0:00	0:59
192	RT	T-103	SCE	LA Basin	10/20/2009	20	YES	INC	24	0:00	23:59
193	RT	T-103	SCE	LA Basin	10/28/2009	40	YES	INC	24	0:00	23:59
194	RT	T-129	PGAE	Fresno	10/1/2009	52	No	DEC	2	22:05	23:1

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DE C	Hours	Begin Time	End Time
											4
195	RT	T-129	PGAE	Fresno	10/1/2009	20	YES	INC	22	2:55	23:59
196	RT	T-129	PGAE	Fresno	10/2/2009	0	YES	INC	10	0:00	9:29
197	RT	T-129	PGAE	Fresno	10/16/2009	0	YES	INC	3	21:25	23:59
198	RT	T-129	PGAE	Fresno	10/17/2009	0	YES	INC	24	0:00	23:59
199	RT	T-129	PGAE	Fresno	10/18/2009	0	No	INC	11	0:00	10:59
200	RT	T-129	PGAE	Fresno	10/19/2009	0	YES	INC	9	0:00	8:59
201	RT	T-129	PGAE	Fresno	10/24/2009	52	No	DEC	2	6:19	7:14
202	RT	T-129	PGAE	Fresno	10/24/2009	28 - 48	YES	INC	2	6:19	7:14
203	RT	T-133	PGAE	Bay Area	10/25/2009	85	YES	INC	3	19:10	21:59
204	RT	T-138	PGAE	Humboldt	10/1/2009	5 - 15	YES	DEC	18	5:16	22:29
205	RT	T-138	PGAE	Humboldt	10/1/2009	0	YES	INC	5	6:11	10:19
206	RT	T-138	PGAE	Humboldt	10/2/2009	5 - 10	YES	DEC	19	5:30	23:12
207	RT	T-138	PGAE	Humboldt	10/2/2009	15	YES	INC	19	5:30	23:33
208	RT	T-138	PGAE	Humboldt	10/3/2009	5 - 10	YES	DEC	18	6:05	23:09
209	RT	T-138	PGAE	Humboldt	10/3/2009	10	YES	INC	23	1:25	23:59
210	RT	T-138	PGAE	Humboldt	10/4/2009	3 - 10	YES	DEC	18	5:30	22:59

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
211	RT	T-138	PGAE	Humboldt	10/4/2009	10	YES	INC	24	0:00	23:59
212	RT	T-138	PGAE	Humboldt	10/5/2009	5 - 10	YES	DEC	5	6:30	10:01
213	RT	T-138	PGAE	Humboldt	10/5/2009	25	YES	INC	23	0:00	22:59
214	RT	T-138	PGAE	Humboldt	10/6/2009	10	No	INC	15	7:15	21:49
215	RT	T-138	PGAE	Humboldt	10/7/2009	5 - 25	No	INC	13	10:00	22:34
216	RT	T-138	PGAE	Humboldt	10/8/2009	35	YES	INC	8	6:15	13:59
217	RT	T-138	PGAE	Humboldt	10/14/2009	5	No	INC	1	22:00	22:04
218	RT	T-138	PGAE	Humboldt	10/15/2009	5 - 10	YES	DEC	17	6:15	22:43
219	RT	T-138	PGAE	Humboldt	10/15/2009	5	YES	INC	16	7:25	22:43
220	RT	T-138	PGAE	Humboldt	10/16/2009	5 - 15	YES	DEC	18	5:55	22:13
221	RT	T-138	PGAE	Humboldt	10/16/2009	10	YES	INC	18	5:55	22:13
222	RT	T-138	PGAE	Humboldt	10/17/2009	5 - 10	YES	DEC	5	18:19	22:34
223	RT	T-138	PGAE	Humboldt	10/17/2009	5	YES	INC	3	20:55	22:34
224	RT	T-138	PGAE	Humboldt	10/18/2009	5	YES	DEC	5	18:45	22:39
225	RT	T-138	PGAE	Humboldt	10/18/2009	10	YES	INC	5	18:45	22:39
226	RT	T-138	PGAE	Humboldt	10/19/2009	5 - 10	YES	DEC	17	6:00	22:19

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DE C	Hours	Begin Time	End Time
227	RT	T-138	PGAE	Humboldt	10/19/2009	5	YES	INC	16	7:00	22:19
228	RT	T-138	PGAE	Humboldt	10/20/2009	5 - 15	YES	DEC	18	5:55	22:49
229	RT	T-138	PGAE	Humboldt	10/20/2009	10	YES	INC	19	5:55	23:29
230	RT	T-138	PGAE	Humboldt	10/21/2009	10 - 51	YES	INC	16	8:15	23:59
231	RT	T-138	PGAE	Humboldt	10/26/2009	15	No	INC	1	15:05	15:39
232	RT	T-138	PGAE	Humboldt	10/31/2009	10	No	DEC	5	17:00	21:59
233	RT	T-138	PGAE	Humboldt	10/31/2009	10	No	INC	5	17:00	21:59
234	RT	T-151	PGAE	NCNB	10/16/2009	11 - 20	No	DEC	8	14:55	21:59
235	RT	T-151	PGAE	NCNB	10/16/2009	0	No	INC	5	15:00	19:59
236	RT	Thermal Margin	SCE	LA Basin	10/15/2009	25	YES	INC	21	1:00	21:59
237	RT	Transmission Outage Other	PGAE	Sierra	10/28/2009	5	No	DEC	2	17:30	18:29
238	RT	Transmission Outage Other	SCE	Big Creek-Ventura	10/14/2009	100 - 257	YES	DEC	22	2:00	23:59
239	RT	Transmission Outage Other	SCE	Big Creek-Ventura	10/14/2009	0	YES	INC	22	2:00	23:59
240	RT	Transmission Outage Other	SCE	Big Creek-Ventura	10/15/2009	100	YES	INC	2	22:00	23:59
241	RT	Transmission Outage Other	SCE	Big Creek-Ventura	10/16/2009	100	YES	INC	24	0:00	23:59
242	RT	Transmission Outage Other	SCE	Big Creek-Ventura	10/17/2009	100 - 140	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
243	RT	Transmission Outage Other	SCE	LA Basin	10/17/2009	20 - 45	YES	INC	2	22:00	23:59
244	RT	Transmission Outage Other	SDGE	N/A	10/30/2009	582	No	DEC	1	18:19	18:34
245	RT	Transmission Outage PGAE	N/A	N/A	10/13/2009	67	No	DEC	3	13:30	15:22
246	RT	Transmission Outage PGAE	PGAE	Bay Area	10/1/2009	20 - 54	No	DEC	23	1:00	23:59
247	RT	Transmission Outage PGAE	PGAE	Bay Area	10/1/2009	145 - 309	YES	INC	23	1:00	23:59
248	RT	Transmission Outage PGAE	PGAE	Bay Area	10/2/2009	195 - 313	YES	INC	21	3:55	23:59
249	RT	Transmission Outage PGAE	PGAE	Bay Area	10/3/2009	124 - 218	No	INC	24	0:00	23:59
250	RT	Transmission Outage PGAE	PGAE	Bay Area	10/4/2009	108 - 249	No	INC	22	0:00	21:39
251	RT	Transmission Outage PGAE	PGAE	Bay Area	10/5/2009	25 - 95	No	DEC	12	6:55	17:59
252	RT	Transmission Outage PGAE	PGAE	Bay Area	10/5/2009	219 - 320	No	INC	12	6:55	17:59
253	RT	Transmission Outage PGAE	PGAE	Bay Area	10/10/2009	123 - 131	No	INC	4	20:17	23:59
254	RT	Transmission Outage PGAE	PGAE	Bay Area	10/11/2009	102 - 163	No	INC	24	0:00	23:59
255	RT	Transmission Outage PGAE	PGAE	Bay Area	10/12/2009	14 - 19	No	DEC	24	0:00	23:59
256	RT	Transmission Outage PGAE	PGAE	Bay Area	10/12/2009	86 - 152	No	INC	24	0:00	23:59
257	RT	Transmission Outage PGAE	PGAE	Bay Area	10/13/2009	8 - 55	No	DEC	24	0:00	23:59
258	RT	Transmission Outage PGAE	PGAE	Bay Area	10/13/2009	86 - 456	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_DE C	Hours	Begin Time	End Time
259	RT	Transmission Outage PGAE	PGAE	Bay Area	10/14/2009	11 - 41	No	DEC	24	0:15	23:59
260	RT	Transmission Outage PGAE	PGAE	Bay Area	10/14/2009	86 - 136	No	INC	24	0:15	23:59
261	RT	Transmission Outage PGAE	PGAE	Bay Area	10/15/2009	145 - 165	No	INC	24	0:00	23:59
262	RT	Transmission Outage PGAE	PGAE	Bay Area	10/16/2009	109 - 164	No	INC	24	0:00	23:59
263	RT	Transmission Outage PGAE	PGAE	Bay Area	10/26/2009	1 - 17	No	DEC	7	17:45	23:59
264	RT	Transmission Outage PGAE	PGAE	Bay Area	10/26/2009	100 - 164	No	INC	7	17:45	23:59
265	RT	Transmission Outage PGAE	PGAE	Bay Area	10/27/2009	16 - 50	No	DEC	11	11:40	21:19
266	RT	Transmission Outage PGAE	PGAE	Bay Area	10/27/2009	111 - 557	No	INC	16	8:00	23:59
267	RT	Transmission Outage PGAE	PGAE	Bay Area	10/28/2009	21 - 111	No	DEC	18	6:05	23:24
268	RT	Transmission Outage PGAE	PGAE	Bay Area	10/28/2009	111 - 549	No	INC	22	2:30	23:59
269	RT	Transmission Outage PGAE	PGAE	Bay Area	10/30/2009	61 - 300	No	INC	2	5:38	6:59
270	RT	Transmission Outage PGAE	PGAE	Bay Area	10/31/2009	187 - 260	No	INC	24	0:00	23:59
271	RT	Transmission Outage PGAE	PGAE	N/A	10/1/2009	68 - 279	YES	DEC	10	8:15	17:29
272	RT	Transmission Outage PGAE	PGAE	N/A	10/12/2009	55 - 105	No	DEC	2	7:05	8:19
273	RT	Transmission Outage PGAE	PGAE	N/A	10/13/2009	45 - 551	YES	INC	8	13:32	20:09
274	RT	Transmission Outage PGAE	PGAE	Fresno	10/13/2009	45 - 128	YES	INC	3	13:30	15:59

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DE C	Hours	Begin Time	End Time
275	RT	Transmission Outage PGAE	PGAE	Humboldt	10/7/2009	5 - 20	No	INC	8	7:11	14:34
276	RT	Transmission Outage PGAE	PGAE	Humboldt	10/8/2009	5	No	DEC	4	3:35	6:14
277	RT	Transmission Outage PGAE	PGAE	Humboldt	10/8/2009	5 - 15	YES	INC	5	3:35	7:34
278	RT	Transmission Outage PGAE	PGAE	Humboldt	10/10/2009	10 - 15	No	DEC	11	4:10	14:59
279	RT	Transmission Outage PGAE	PGAE	Humboldt	10/21/2009	40	YES	INC	2	7:05	8:14
280	RT	Transmission Outage PGAE	PGAE	Humboldt	10/22/2009	10 - 25	No	INC	10	7:20	16:39
281	RT	Transmission Outage PGAE	PGAE	Humboldt	10/26/2009	10 - 25	No	INC	9	7:45	15:04
282	RT	Transmission Outage PGAE	PGAE	Humboldt	10/30/2009	15	No	DEC	1	15:15	15:44
283	RT	Transmission Outage PGAE	PGAE	Sierra	10/1/2009	70	No	DEC	1	6:20	6:59
284	RT	Transmission Outage PGAE	PGAE	Sierra	10/1/2009	23	YES	INC	1	10:00	10:04
285	RT	Transmission Outage PGAE	PGAE	Sierra	10/7/2009	13 - 26	YES	DEC	9	9:13	17:59
286	RT	Transmission Outage PGAE	PGAE	Sierra	10/12/2009	15 - 20	No	DEC	2	7:00	8:19
287	RT	Transmission Outage PGAE	PGAE	Sierra	10/12/2009	5	No	INC	1	6:55	6:59
288	RT	Transmission Outage PGAE	PGAE	Sierra	10/13/2009	35	No	DEC	2	13:32	14:59
289	RT	Transmission Outage PGAE	PGAE	Sierra	10/13/2009	46	YES	INC	3	13:35	15:59
290	RT	Transmission Outage PGAE	PGAE	Sierra	10/21/2009	3 - 7	No	DEC	10	9:10	18:59

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DE C	Hours	Begin Time	End Time
291	RT	Transmission Outage PGAE	PGAE	Sierra	10/23/2009	5	No	DEC	12	8:13	19:59
292	RT	Transmission Outage PGAE	PGAE	Sierra	10/28/2009	5 - 15	YES	DEC	7	11:30	17:29
293	RT	Transmission Outage PGAE	PGAE	Sierra	10/29/2009	4 - 6	No	DEC	3	14:25	16:04
294	RT	Transmission Outage PGAE	PGAE	Sierra	10/30/2009	12	YES	DEC	1	11:00	11:19
295	RT	Transmission Outage PGAE	PGAE	Sierra	10/31/2009	2 - 13	YES	DEC	10	12:30	21:59
296	RT	Transmission Outage PGAE	PGAE	Sierra	10/31/2009	1	YES	INC	4	18:40	21:59
297	RT	Transmission Outage PGAE	PGAE	Stockton	10/13/2009	160	YES	INC	2	16:00	17:54
298	RT	Transmission Outage PGAE	PGAE	Stockton	10/27/2009	60	YES	INC	7	9:45	15:59
299	RT	Transmission Outage PGAE	PGAE	Stockton	10/28/2009	60	YES	INC	6	7:35	12:49
300	RT	Transmission Outage PGAE	SCE	LA Basin	10/13/2009	196	YES	DEC	1	13:35	13:44
301	RT	Transmission Outage PGAE	SCE	LA Basin	10/13/2009	50	No	INC	1	13:35	13:44
302	RT	Transmission Outage PGAE	SDGE	San Diego	10/13/2009	424 - 449	No	DEC	2	14:40	15:59
303	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	10/1/2009	20	YES	INC	24	0:00	23:59
304	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	10/2/2009	20	YES	INC	14	8:00	21:59
305	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	10/3/2009	20	YES	INC	15	7:00	21:59
306	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	10/4/2009	20	YES	INC	13	9:00	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
307	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	10/5/2009	30	YES	INC	11	4:00	14:59
308	RT	Transmission Outage SCE	SCE	LA Basin	10/1/2009	20	YES	INC	24	0:00	23:59
309	RT	Transmission Outage SCE	SCE	LA Basin	10/2/2009	2	YES	DEC	6	15:36	20:26
310	RT	Transmission Outage SCE	SCE	LA Basin	10/2/2009	20 - 146	YES	INC	10	14:57	23:59
311	RT	Transmission Outage SCE	SCE	LA Basin	10/3/2009	25	YES	INC	17	7:00	23:59
312	RT	Transmission Outage SCE	SCE	LA Basin	10/5/2009	20	YES	INC	24	0:00	23:59
313	RT	Transmission Outage SCE	SCE	LA Basin	10/6/2009	31	No	DEC	3	15:05	17:59
314	RT	Transmission Outage SCE	SCE	LA Basin	10/6/2009	45 - 55	No	INC	23	1:00	23:59
315	RT	Transmission Outage SCE	SCE	LA Basin	10/18/2009	20	YES	INC	14	10:00	23:59
316	RT	Transmission Outage SDGE	PGAE	Bay Area	10/25/2009	156	YES	INC	5	18:35	22:19
317	RT	Transmission Outage SDGE	PGAE	Stockton	10/25/2009	164	YES	INC	4	18:37	21:59
318	RT	Transmission Outage SDGE	SDGE	N/A	10/25/2009	250 - 1096	No	DEC	7	17:05	23:59
319	RT	Transmission Outage SDGE	SDGE	San Diego	10/25/2009	136	YES	INC	13	7:41	19:59
320	RT	Unit Testing	N/A	N/A	10/1/2009	1 - 3	YES	INC	5	10:20	14:09
321	RT	Unit Testing	N/A	N/A	10/9/2009	1	YES	INC	1	11:30	11:39
322	RT	Unit Testing	N/A	N/A	10/14/2009	1	YES	INC	1	12:40	12:44

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DE C	Hours	Begin Time	End Time
323	RT	Unit Testing	N/A	N/A	10/15/2009	1 - 2	YES	INC	7	5:00	11:09
324	RT	Unit Testing	N/A	N/A	10/22/2009	4	YES	INC	1	16:00	16:09
325	RT	Unit Testing	N/A	N/A	10/23/2009	0	YES	INC	1	14:00	14:19
326	RT	Unit Testing	SDGE	San Diego	10/1/2009	604	YES	INC	1	19:28	19:43
327	RT	Unit Testing	SDGE	San Diego	10/2/2009	125 - 430	YES	INC	4	12:19	15:15
328	RT	Water Management	SCE	Big Creek-Ventura	10/16/2009	0	YES	INC	2	1:30	2:59

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, 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	PGAE	Humboldt	06:00	11:00	30	0	Yes	INC	30	t-138
01-Jul-09	RT	B	PGAE	Humboldt	07:00	09:00	40	20	No	INC	20	t-138
01-Jul-09	RT	C	PGAE	Humboldt	12:00	15:00	50	50	No	INC	0	t-138
01-Jul-09	RT	C	PGAE	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	PGAE	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	PGAE	Fresno	15:00	20:00	20	0	Yes	INC	20	t-129
01-Jul-09	RT	B	PGAE	Fresno	07:00	09:00	40	60	No	DEC	20	t-129
01-Jul-09	RT	C	PGAE	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 incs and decs 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	PGAE	Fresno	1-Jul-09	20	Yes	INC	6	15:00	20:00
1	RT	T-129	PGAE	Fresno	1-Jul-09	10-20	Yes	DEC	8	07:00	14:00