



Exceptional Dispatch Report

Table 1: September 2009

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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 and described in the covering letter for this report.

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 modeled 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 September, the ISO issued exceptional dispatches for following local area generation requirements: (1) G-217, South of Lugo generation requirements; and

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-206, San Diego 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-132, transmission facilities in San Diego and Imperial Valley area; (4) T-135, Lugo – Victorville 500 kV Line and Sylmar Transformer Banks Operation; (5) T-138, transmission facilities in Humboldt area; (6) T-144, South-of-Lugo 500 kV Lines; (7) T-170, Mirage-Tamarisk and Mirage-Concho 115kV lines; (8) T-171, Antelope – Vincent 220 kV Overload Mitigation; and (9) other transmission outages in PG&E, SCE and SDGE area;

The following additional reasons for exceptional dispatch instructions in September 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) Spin Energy, when real-time contingency run failed and operators had to manually dispatch energy from contingency spinning reserves; (4) Market Disruption, when the exceptional dispatch instructions were issued due to HASP failures; (5) Thermal Margin, when the exceptional dispatch instructions were issued due to load forecast uncertainty and the operators committed thermal units; 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 few other reasons used to explain exceptional dispatch instructions in September, 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

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

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 Dc (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, real-time exceptional dispatches in September accounted for approximately 86 percent of all exceptional dispatches categorized by date and reason. Exceptional dispatches issued for the following reasons accounted for almost half of the total exceptional dispatches during the reporting period: Transmission Outage in PGAE area, Software Limitation, transmission management for Humboldt area (T-138), and transmission management of Fresno Area (T-129). In day-ahead market, approximately 77 percent of the exceptional dispatches were due to Transmission Outage Other-NG_H and G-206. In real-time market, approximately 56 percent of the exceptional dispatches were issued for Transmission Outage in PGAE area, Software Limitation, transmission management for Humboldt area (T-138), and transmission management for Fresno area (T-129)

The reason code Transmission Outage Other-NG_H refers to the forced outage of North Gila-Hassayampa. From September 14-26, there was an increase in pre day-ahead market exceptional dispatch commitment due to a combination of a forced outage of a North Gila-Hassayampa 500-KV import line as well as a lack of availability of a major resource in southern California. Additional real-time exceptional dispatch in the Fresno area (T-129) were necessary due to transmission constraints related to remedial action schemes for which the market constraints are not fully modeled. These did result in exceptional dispatches, limiting some pump run time and constraining some hydroelectric generation online. The ISO expects some additional transmission upgrades to relieve some of these constraints prior to next summer.

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 September.

Table 1: Exceptional Dispatches in September 2009

California Independent System Operator Corporation Exceptional Dispatch Report November 15, 2009											
Chart 1: Table of Exceptional Dispatches for Period 01/Sep/2009 - 30/Sep/2009											
Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
1	DA	G-206	SDGE	San Diego	9/1/2009	80	Yes	N/A	24	0:00	23:00
2	DA	G-206	SDGE	San Diego	9/2/2009	80	Yes	N/A	24	0:00	23:00
3	DA	G-206	SDGE	San Diego	9/3/2009	80	Yes	N/A	24	0:00	23:00
4	DA	G-206	SDGE	San Diego	9/4/2009	80	Yes	N/A	24	0:00	23:00
5	DA	G-206	SDGE	San Diego	9/5/2009	80	Yes	N/A	24	0:00	23:00
6	DA	G-206	SDGE	San Diego	9/7/2009	20	Yes	N/A	24	0:00	23:00
7	DA	G-206	SDGE	San Diego	9/8/2009	20	Yes	N/A	24	0:00	23:00
8	DA	G-206	SDGE	San Diego	9/9/2009	20	Yes	N/A	24	0:00	23:00
9	DA	G-206	SDGE	San Diego	9/10/2009	20	Yes	N/A	24	0:00	23:00
10	DA	G-206	SDGE	San Diego	9/11/2009	40	Yes	N/A	24	0:00	23:00
11	DA	G-206	SDGE	San Diego	9/12/2009	20	Yes	N/A	24	0:00	23:00
12	DA	G-206	SDGE	San Diego	9/15/2009	20	Yes	N/A	24	0:00	23:00
13	DA	G-206	SDGE	San Diego	9/16/2009	20	Yes	N/A	24	0:00	23:00
14	DA	G-206	SDGE	San Diego	9/17/2009	20	Yes	N/A	24	0:00	23:00
15	DA	G-206	SDGE	San Diego	9/18/2009	20	Yes	N/A	24	0:00	23:00
16	DA	G-206	SDGE	San Diego	9/19/2009	40	Yes	N/A	24	0:00	23:00
17	DA	G-206	SDGE	San Diego	9/20/2009	40	Yes	N/A	24	0:00	23:00
18	DA	G-206	SDGE	San Diego	9/21/2009	60	Yes	N/A	24	0:00	23:00
19	DA	G-206	SDGE	San Diego	9/22/2009	60	Yes	N/A	24	0:00	23:00
20	DA	G-206	SDGE	San Diego	9/23/2009	80	Yes	N/A	24	0:00	23:00
21	DA	G-206	SDGE	San Diego	09/24/09	60	Yes	N/A	24	0:00	23:00

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
22	DA	G-206	SDGE	San Diego	09/25/09	40	Yes	N/A	24	0:00	23:00
23	DA	G-206	SDGE	San Diego	09/26/09	20	Yes	N/A	24	0:00	23:00
24	DA	G-206	SDGE	San Diego	09/27/09	20	Yes	N/A	24	0:00	23:00
25	DA	G-206	SDGE	San Diego	09/28/09	20	Yes	N/A	24	0:00	23:00
26	DA	G-206	SDGE	San Diego	09/29/09	20	Yes	N/A	24	0:00	23:00
27	DA	SP26 Capacity	SDGE	San Diego	09/27/09	20	Yes	N/A	24	0:00	23:00
28	DA	SP26 Capacity	SDGE	San Diego	09/28/09	20	Yes	N/A	24	0:00	23:00
29	DA	SP26 Capacity	SDGE	San Diego	09/29/09	20	Yes	N/A	24	0:00	23:00
30	DA	SP26 Capacity	SDGE	San Diego	09/30/09	20	Yes	N/A	24	0:00	23:00
31	DA	T-135	SCE	N/A	09/15/09	120	Yes	N/A	24	0:00	23:00
32	DA	T-135	SCE	N/A	09/16/09	80	Yes	N/A	24	0:00	23:00
33	DA	T-135	SCE	N/A	09/17/09	80	Yes	N/A	24	0:00	23:00
34	DA	T-135	SCE	N/A	09/20/09	80	Yes	N/A	14	8:00	21:00
35	DA	T-135	SCE	N/A	09/21/09	80	Yes	N/A	14	8:00	21:00
36	DA	T-135	SCE	N/A	09/22/09	80	Yes	N/A	14	8:00	21:00
37	DA	T-135	SCE	N/A	09/23/09	80	Yes	N/A	14	8:00	21:00
38	DA	T-135	SCE	N/A	09/24/09	80	Yes	N/A	14	8:00	21:00
39	DA	Thermal Margin	SCE	LA Basin	09/20/09	130	Yes	N/A	12	12:00	23:00
40	DA	Thermal Margin	SCE	LA Basin	09/21/09	25	Yes	N/A	24	0:00	23:00
41	DA	Transmission Outage Other-NG_H	SCE	Big Creek-Ventura	09/14/09	100	Yes	N/A	24	0:00	23:00
42	DA	Transmission Outage Other-NG_H	SCE	Big Creek-Ventura	09/15/09	100	Yes	N/A	24	0:00	23:00
43	DA	Transmission Outage Other-NG_H	SCE	Big Creek-Ventura	09/16/09	100	Yes	N/A	24	0:00	23:00
44	DA	Transmission Outage Other-NG_H	SCE	Big Creek-Ventura	09/17/09	100	Yes	N/A	24	0:00	23:00
45	DA	Transmission Outage Other-NG_H	SCE	Big Creek-Ventura	09/18/09	100	Yes	N/A	24	0:00	23:00
46	DA	Transmission Outage Other-	SCE	Big Creek-	09/19/09	100	Yes	N/A	24	0:00	23:00

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
		NG_H		Ventura							
47	DA	Transmission Outage Other-NG_H	SCE	Big Creek-Ventura	09/20/09	100	Yes	N/A	24	0:00	23:00
48	DA	Transmission Outage Other-NG_H	SCE	Big Creek-Ventura	09/21/09	100	Yes	N/A	24	0:00	23:00
49	DA	Transmission Outage Other-NG_H	SCE	Big Creek-Ventura	09/26/09	100-140	Yes	N/A	24	0:00	23:00
50	DA	Transmission Outage Other-NG_H	SCE	LA Basin	09/14/09	236-246	Yes	N/A	24	0:00	23:00
51	DA	Transmission Outage Other-NG_H	SCE	LA Basin	09/15/09	402	Yes	N/A	24	0:00	23:00
52	DA	Transmission Outage Other-NG_H	SCE	LA Basin	09/16/09	347-477	Yes	N/A	24	0:00	23:00
53	DA	Transmission Outage Other-NG_H	SCE	LA Basin	09/17/09	347-477	Yes	N/A	24	0:00	23:00
54	DA	Transmission Outage Other-NG_H	SCE	LA Basin	09/18/09	387-457	Yes	N/A	24	0:00	23:00
55	DA	Transmission Outage Other-NG_H	SCE	LA Basin	09/19/09	180	Yes	N/A	24	0:00	23:00
56	DA	Transmission Outage Other-NG_H	SCE	LA Basin	09/20/09	225	Yes	N/A	24	0:00	23:00
57	DA	Transmission Outage Other-NG_H	SCE	LA Basin	09/21/09	530	Yes	N/A	24	0:00	23:00
58	DA	Transmission Outage Other-NG_H	SCE	LA Basin	09/22/09	582	Yes	N/A	24	0:00	23:00
59	DA	Transmission Outage Other-NG_H	SCE	LA Basin	09/23/09	582	Yes	N/A	24	0:00	23:00
60	DA	Transmission Outage Other-NG_H	SCE	LA Basin	09/24/09	582	Yes	N/A	24	0:00	23:00
61	DA	Transmission Outage Other-NG_H	SCE	LA Basin	09/25/09	582	Yes	N/A	24	0:00	23:00
62	DA	Transmission Outage Other-	SCE	LA Basin	09/26/09	372-632	Yes	N/A	24	0:00	23:00

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
		NG_H									
63	DA	Transmission Outage Other-NG_H	SDGE	San Diego	09/14/09	100	Yes	N/A	24	0:00	23:00
64	DA	Transmission Outage Other-NG_H	SDGE	San Diego	09/15/09	80	Yes	N/A	24	0:00	23:00
65	DA	Transmission Outage Other-NG_H	SDGE	San Diego	09/16/09	80	Yes	N/A	24	0:00	23:00
66	DA	Transmission Outage Other-NG_H	SDGE	San Diego	09/17/09	40	Yes	N/A	24	0:00	23:00
67	DA	Transmission Outage Other-NG_H	SDGE	San Diego	09/18/09	40	Yes	N/A	24	0:00	23:00
68	DA	Transmission Outage Other-NG_H	SDGE	San Diego	09/25/09	75	Yes	N/A	24	0:00	23:00
69	DA	Transmission Outage Other-NG_H	SDGE	San Diego	09/26/09	125	Yes	N/A	24	0:00	23:00
70	DA	Transmission Outage PGAE	PGAE	Bay Area	09/16/09	45	Yes	N/A	24	0:00	23:00
71	DA	Transmission Outage SDGE	SCE	LA Basin	09/18/09	10	Yes	N/A	24	0:00	23:00
72	RT	Circulation		NO LRA	9/8/2009	472	No	INC	1	7:05	7:59
73	RT	Circulation		NO LRA	9/14/2009	428 - 614	No	INC	4	5:00	8:59
74	RT	Fires	SCE	Big Creek-Ventura	9/3/2009	100	YES	INC	1	13:55	13:59
75	RT	Fires	SCE	Big Creek-Ventura	9/4/2009	100 - 200	YES	INC	24	0:00	23:59
76	RT	Fires	SCE	Big Creek-Ventura	9/5/2009	40 - 140	YES	INC	24	0:00	23:59
77	RT	Fires	SCE	Big Creek-Ventura	9/6/2009	140	YES	INC	24	0:00	23:59
78	RT	Fires	SCE	Big Creek-Ventura	9/7/2009	140	YES	INC	24	0:00	23:59
79	RT	Fires	SCE	Big Creek-Ventura	9/8/2009	100 - 120	YES	INC	12	0:00	11:59

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
80	RT	Fires	SCE	Big Creek-Ventura	9/9/2009	100 - 641	YES	DEC	24	0:00	23:59
81	RT	Fires	SCE	Big Creek-Ventura	9/9/2009	100	YES	INC	24	0:00	23:59
82	RT	Fires	SCE	Big Creek-Ventura	9/22/2009	20 - 204	YES	INC	11	13:00	23:59
83	RT	Fires	SCE	Big Creek-Ventura	9/23/2009	17 - 95	YES	DEC	8	9:20	16:19
84	RT	Fires	SCE	Big Creek-Ventura	9/23/2009	100 - 819	YES	INC	24	0:00	23:59
85	RT	Fires	SCE	Big Creek-Ventura	9/24/2009	15 - 165	YES	DEC	7	12:40	18:59
86	RT	Fires	SCE	Big Creek-Ventura	9/24/2009	120 - 424	YES	INC	24	0:00	23:59
87	RT	Fires	SCE	Big Creek-Ventura	9/25/2009	120	YES	INC	24	0:00	23:59
88	RT	Fires	SCE	Big Creek-Ventura	9/27/2009	40	YES	INC	8	7:00	14:59
89	RT	Fires	SCE	LA Basin	9/6/2009	20	YES	INC	14	10:00	23:59
90	RT	Fires	SCE	LA Basin	9/7/2009	20	YES	INC	24	0:00	23:59
91	RT	Fires	SCE	LA Basin	9/23/2009	10 - 35	YES	INC	24	0:00	23:59
92	RT	Fires	SCE	LA Basin	9/24/2009	50	YES	INC	24	0:00	23:59
93	RT	Fires	SCE	LA Basin	9/25/2009	50	YES	INC	24	0:00	23:59
94	RT	Fires	SDGE	N/A	9/4/2009	39 - 477	No	DEC	5	11:40	15:39
95	RT	Fires	SDGE	N/A	9/23/2009	403	No	DEC	2	10:20	11:29
96	RT	G-206	SDGE	San Diego	9/21/2009	30	No	INC	2	22:00	23:59
97	RT	G-206	SDGE	San Diego	9/22/2009	36 - 76	YES	DEC	15	9:45	23:59
98	RT	G-206	SDGE	San Diego	9/22/2009	20	YES	INC	15	9:45	23:59
99	RT	G-217	SCE	LA Basin	9/4/2009	70	YES	INC	18	2:00	19:59
100	RT	G-217	SCE	LA Basin	9/26/2009	72 -	YES	DEC	11	13:25	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
						363					
101	RT	G-217	SCE	LA Basin	9/26/2009	130	YES	INC	2	22:00	23:59
102	RT	G-217	SCE	LA Basin	9/27/2009	130 - 150	YES	INC	24	0:00	23:59
103	RT	G-217	SCE	LA Basin	9/28/2009	20	YES	INC	8	0:00	7:59
104	RT	Intertie Emergency Assistance		NO LRA	9/1/2009	100	No	INC	1	14:30	14:59
105	RT	Intertie Emergency Assistance		NO LRA	9/11/2009	75	No	INC	3	17:00	19:59
106	RT	Intertie Emergency Assistance		NO LRA	9/19/2009	210 - 283	No	INC	3	16:00	18:59
107	RT	Intertie Emergency Assistance		NO LRA	9/23/2009	100 - 300	No	INC	2	6:00	7:59
108	RT	Load Forecast Uncertainty	SCE	LA Basin	9/18/2009	20	YES	INC	24	0:00	23:59
109	RT	Loss of Generation	PGAE	Bay Area	9/13/2009	40	No	DEC	11	0:40	10:49
110	RT	Loss of Generation	PGAE	Bay Area	9/13/2009	15 - 110	No	INC	11	0:40	10:49
111	RT	Loss of Generation	SDGE	San Diego	9/13/2009	89	YES	INC	3	12:47	14:29
112	RT	Market Disruption		NO LRA	9/2/2009	94	YES	INC	4	1:00	4:59
113	RT	Market Disruption		NO LRA	9/30/2009	747	No	DEC	1	0:00	0:59
114	RT	Market Disruption		NO LRA	9/30/2009	417	YES	INC	1	0:00	0:59
115	RT	Market Disruption	SCE	Unknown	9/2/2009	177	No	DEC	1	2:52	2:59
116	RT	Market Disruption	SDGE	N/A	9/2/2009	155 - 170	No	DEC	2	2:54	3:08
117	RT	Over Generation		NO LRA	9/23/2009	240	No	DEC	2	4:05	5:59
118	RT	Over Generation		NO LRA	9/23/2009	175	YES	INC	2	4:07	5:59
119	RT	Over Generation	PGAE	Fresno	9/11/2009	209 - 234	No	DEC	2	14:51	15:07
120	RT	Over Generation	SCE	Big Creek-Ventura	9/23/2009	100	No	DEC	1	4:05	4:59
121	RT	Ramp Rate	SCE	Big Creek-Ventura	9/1/2009	400	YES	INC	7	12:00	18:59
122	RT	Ramp Rate	SCE	Big Creek-	9/2/2009	400 -	YES	INC	11	11:10	21:59

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
				Ventura		500					
123	RT	Ramp Rate	SCE	Big Creek-Ventura	9/3/2009	200	YES	INC	2	14:15	15:44
124	RT	Ramp Rate	SCE	Big Creek-Ventura	9/8/2009	200	YES	INC	8	11:20	18:59
125	RT	Ramp Rate	SCE	Big Creek-Ventura	9/22/2009	200	YES	INC	10	12:00	21:59
126	RT	Ramp Rate	SCE	Big Creek-Ventura	9/24/2009	200 - 250	YES	INC	4	8:30	11:59
127	RT	Ramp Rate	SCE	LA Basin	9/1/2009	23 - 775	No	DEC	12	7:55	18:59
128	RT	Ramp Rate	SCE	LA Basin	9/1/2009	46 - 320	No	INC	12	7:55	18:59
129	RT	Ramp Rate	SCE	LA Basin	9/10/2009	71	No	INC	13	7:55	19:59
130	RT	Ramp Rate	SCE	LA Basin	9/16/2009	72	No	INC	2	11:25	12:59
131	RT	Ramp Rate	SCE	LA Basin	9/22/2009	71	YES	INC	8	14:45	21:59
132	RT	Ramp Rate	SCE	LA Basin	9/28/2009	71	No	INC	14	6:50	19:59
133	RT	Ramp Rate	SDGE	San Diego	9/1/2009	76 - 226	No	DEC	12	7:55	18:59
134	RT	Ramp Rate	SDGE	San Diego	9/1/2009	44	No	INC	12	7:55	18:59
135	RT	Ramp Rate	SDGE	San Diego	9/6/2009	44	No	INC	8	0:40	7:59
136	RT	Ramp Rate	SDGE	San Diego	9/7/2009	44	No	INC	8	1:40	8:59
137	RT	Ramp Rate	SDGE	San Diego	9/18/2009	12 - 475	No	DEC	12	8:30	19:59
138	RT	Ramp Rate	SDGE	San Diego	9/18/2009	43 - 91	No	INC	12	8:30	19:59
139	RT	Ramp Rate	SDGE	San Diego	9/23/2009	52 - 489	No	DEC	10	10:40	19:59
140	RT	Ramp Rate	SDGE	San Diego	9/23/2009	43	No	INC	10	10:40	19:59
141	RT	Ramp Rate	SDGE	San Diego	9/28/2009	172 - 458	No	DEC	14	6:55	19:59
142	RT	Ramp Rate	SDGE	San Diego	9/28/2009	43 - 91	No	INC	14	6:55	19:59

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
143	RT	Ramp rate	SCE	LA Basin	9/22/2009	19 - 249	No	DEC	13	9:25	21:59
144	RT	Ramp rate	SCE	LA Basin	9/22/2009	46	No	INC	13	9:25	21:59
145	RT	Ramp rate	SDGE	San Diego	9/22/2009	52 - 493	No	DEC	13	9:30	21:59
146	RT	Ramp rate	SDGE	San Diego	9/22/2009	43 - 91	No	INC	13	9:30	21:59
147	RT	SP26 Capacity	SCE	Big Creek-Ventura	9/4/2009	200	YES	INC	8	12:15	19:59
148	RT	SP26 Capacity	SCE	LA Basin	9/14/2009	91	YES	INC	24	0:00	23:59
149	RT	SP26 Capacity	SDGE	San Diego	9/14/2009	30	No	INC	24	0:00	23:59
150	RT	Software Limitation		NO LRA	9/2/2009	421	No	INC	1	10:10	10:24
151	RT	Software Limitation		NO LRA	9/14/2009	0	No	INC	2	0:25	1:24
152	RT	Software Limitation		NO LRA	9/16/2009	55	No	INC	1	10:00	10:59
153	RT	Software Limitation		NO LRA	9/18/2009	0	YES	INC	1	2:05	2:34
154	RT	Software Limitation	PGAE	Bay Area	9/2/2009	312	No	INC	2	21:12	22:06
155	RT	Software Limitation	PGAE	Bay Area	9/9/2009	0	YES	INC	1	22:20	22:49
156	RT	Software Limitation	PGAE	Bay Area	9/12/2009	0 - 170	YES	DEC	24	0:50	23:58
157	RT	Software Limitation	PGAE	Bay Area	9/12/2009	218	YES	INC	24	0:50	23:58
158	RT	Software Limitation	PGAE	Bay Area	9/16/2009	0	No	INC	2	15:20	16:59
159	RT	Software Limitation	PGAE	Bay Area	9/17/2009	52 - 104	No	DEC	13	8:00	20:59
160	RT	Software Limitation	PGAE	Bay Area	9/17/2009	0	No	INC	13	8:00	20:59
161	RT	Software Limitation	PGAE	Bay Area	9/18/2009	104	YES	INC	2	16:45	17:59
162	RT	Software Limitation	PGAE	Bay Area	9/28/2009	178 - 222	No	DEC	13	7:30	19:59
163	RT	Software Limitation	PGAE	Bay Area	9/28/2009	3 - 15	No	INC	13	7:30	19:59
164	RT	Software Limitation	PGAE	Bay Area	9/29/2009	0	YES	INC	1	16:10	16:54
165	RT	Software Limitation	PGAE	N/A	9/10/2009	114 - 630	YES	DEC	15	7:40	21:59
166	RT	Software Limitation	PGAE	N/A	9/10/2009	25	No	INC	15	7:40	21:59

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
167	RT	Software Limitation	PGAE	N/A	9/22/2009	3	YES	INC	2	9:25	10:09
168	RT	Software Limitation	PGAE	N/A	9/27/2009	281 - 311	YES	DEC	2	8:50	9:34
169	RT	Software Limitation	PGAE	Fresno	9/2/2009	45 - 241	YES	INC	5	10:10	14:59
170	RT	Software Limitation	PGAE	Fresno	9/3/2009	0	YES	INC	2	19:30	20:29
171	RT	Software Limitation	PGAE	Fresno	9/4/2009	0	YES	INC	2	13:40	14:09
172	RT	Software Limitation	PGAE	Fresno	9/8/2009	0	YES	INC	3	2:40	4:39
173	RT	Software Limitation	PGAE	Fresno	9/10/2009	0	YES	INC	3	1:20	3:19
174	RT	Software Limitation	PGAE	Fresno	9/12/2009	0	YES	INC	3	2:20	4:19
175	RT	Software Limitation	PGAE	Fresno	9/14/2009	170	No	DEC	6	0:45	5:44
176	RT	Software Limitation	PGAE	Fresno	9/14/2009	0	No	INC	6	0:45	5:44
177	RT	Software Limitation	PGAE	Fresno	9/20/2009	0	No	INC	2	21:45	22:09
178	RT	Software Limitation	PGAE	Fresno	9/22/2009	0	YES	INC	2	16:20	17:19
179	RT	Software Limitation	PGAE	Fresno	9/24/2009	83	No	DEC	18	6:05	23:59
180	RT	Software Limitation	PGAE	Fresno	9/24/2009	0	No	INC	18	6:05	23:59
181	RT	Software Limitation	PGAE	Fresno	9/27/2009	0	No	INC	2	0:55	1:09
182	RT	Software Limitation	PGAE	Humboldt	9/22/2009	15	No	DEC	2	10:35	11:04
183	RT	Software Limitation	PGAE	Humboldt	9/30/2009	0	YES	INC	1	13:30	13:59
184	RT	Software Limitation	PGAE	Sierra	9/19/2009	0	YES	INC	1	1:30	1:59
185	RT	Software Limitation	SCE	Big Creek-Ventura	9/22/2009	0	YES	INC	4	20:00	23:59
186	RT	Software Limitation	SCE	N/A	9/14/2009	0	YES	INC	7	0:40	6:39
187	RT	Software Limitation	SCE	N/A	9/29/2009	511	No	INC	1	23:00	23:59
188	RT	Software Limitation	SCE	LA Basin	9/1/2009	0	YES	INC	1	1:02	1:49
189	RT	Software Limitation	SCE	LA Basin	9/9/2009	0	YES	INC	2	21:40	22:44
190	RT	Software Limitation	SCE	LA Basin	9/10/2009	134 - 249	No	DEC	13	7:45	19:59
191	RT	Software Limitation	SCE	LA Basin	9/10/2009	46	YES	INC	17	7:45	23:59
192	RT	Software Limitation	SCE	LA Basin	9/12/2009	20	No	DEC	14	0:00	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
193	RT	Software Limitation	SCE	LA Basin	9/12/2009	0	No	INC	14	0:00	13:59
194	RT	Software Limitation	SCE	LA Basin	9/14/2009	0	No	INC	2	22:00	23:58
195	RT	Software Limitation	SCE	LA Basin	9/16/2009	94 - 249	No	DEC	15	6:35	20:59
196	RT	Software Limitation	SCE	LA Basin	9/16/2009	46	No	INC	15	6:35	20:59
197	RT	Software Limitation	SCE	LA Basin	9/17/2009	0	YES	INC	1	23:50	23:59
198	RT	Software Limitation	SCE	LA Basin	9/18/2009	0	YES	INC	1	0:00	0:19
199	RT	Software Limitation	SCE	LA Basin	9/19/2009	363	YES	DEC	1	14:35	14:39
200	RT	Software Limitation	SCE	LA Basin	9/24/2009	25	YES	INC	2	2:17	3:19
201	RT	Software Limitation	SCE	LA Basin	9/27/2009	0	YES	INC	1	2:00	2:59
202	RT	Software Limitation	SCE	LA Basin	9/28/2009	39 - 233	No	DEC	14	6:45	19:59
203	RT	Software Limitation	SCE	LA Basin	9/28/2009	46	No	INC	14	6:45	19:59
204	RT	Software Limitation	SCE	LA Basin	9/30/2009	0	YES	INC	5	0:45	4:44
205	RT	Software Limitation	SDGE	San Diego	9/1/2009	0	YES	INC	2	17:20	18:19
206	RT	Software Limitation	SDGE	San Diego	9/8/2009	20	YES	DEC	1	12:00	12:24
207	RT	Software Limitation	SDGE	San Diego	9/10/2009	0	YES	INC	2	1:20	2:44
208	RT	Software Limitation	SDGE	San Diego	9/17/2009	0	YES	INC	14	0:25	13:54
209	RT	Software Limitation	SDGE	San Diego	9/18/2009	0	YES	INC	19	2:10	20:04
210	RT	Software Limitation	SDGE	San Diego	9/20/2009	77	YES	INC	2	17:25	18:24
211	RT	Software Limitation	SDGE	San Diego	9/21/2009	30 - 72	No	DEC	3	0:00	2:04
212	RT	Software Limitation	SDGE	San Diego	9/22/2009	0	YES	INC	2	22:35	23:59
213	RT	Software Limitation	SDGE	San Diego	9/27/2009	70 - 90	YES	DEC	4	15:25	18:59
214	RT	Spin energy	PGAE	N/A	9/13/2009	100	No	INC	1	12:48	12:54
215	RT	Spin energy	PGAE	Fresno	9/10/2009	83	YES	INC	2	12:27	13:34
216	RT	Spin energy	PGAE	Sierra	9/13/2009	155	No	INC	1	12:48	12:54
217	RT	System Energy		NO LRA	9/2/2009	900	YES	INC	1	12:00	12:59
218	RT	System Energy		NO LRA	9/5/2009	500	YES	INC	1	6:00	6:59
219	RT	System Energy		NO LRA	9/10/2009	0	YES	INC	1	17:00	17:59

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
220	RT	System Energy		NO LRA	9/11/2009	164	No	DEC	1	13:00	13:59
221	RT	System Energy		NO LRA	9/11/2009	500	YES	INC	1	17:00	17:59
222	RT	System Energy		NO LRA	9/14/2009	400	YES	INC	1	6:00	6:59
223	RT	System Energy		NO LRA	9/17/2009	425	YES	INC	1	21:00	21:59
224	RT	System Energy		NO LRA	9/24/2009	30	No	DEC	1	17:00	17:59
225	RT	System Energy	PGAE	Bay Area	9/11/2009	104 - 156	YES	INC	2	16:11	17:19
226	RT	System Energy	PGAE	Fresno	9/18/2009	83 - 400	YES	INC	3	15:55	17:04
227	RT	System Energy	SCE	LA Basin	9/16/2009	70	YES	INC	23	1:00	23:59
228	RT	T-103	SCE	Big Creek-Ventura	9/12/2009	100	YES	INC	24	0:00	23:59
229	RT	T-103	SCE	LA Basin	9/12/2009	91	YES	INC	24	0:00	23:59
230	RT	T-103	SCE	LA Basin	9/28/2009	20	YES	INC	1	23:00	23:59
231	RT	T-103	SCE	LA Basin	9/29/2009	17	YES	DEC	2	0:55	1:39
232	RT	T-103	SCE	LA Basin	9/29/2009	20 - 150	YES	INC	24	0:00	23:59
233	RT	T-103	SCE	LA Basin	9/30/2009	40	YES	INC	24	0:00	23:59
234	RT	T-129	PGAE	Fresno	9/29/2009	0	No	INC	2	20:50	21:59
235	RT	T-129	PGAE	Bay Area	9/3/2009	10	No	DEC	2	21:35	22:59
236	RT	T-129	PGAE	Bay Area	9/3/2009	0	No	INC	2	21:35	22:59
237	RT	T-129	PGAE	Bay Area	9/7/2009	160	No	DEC	2	22:25	23:54
238	RT	T-129	PGAE	Bay Area	9/7/2009	134	No	INC	2	22:25	23:54
239	RT	T-129	PGAE	Bay Area	9/8/2009	39	No	DEC	6	17:30	22:19
240	RT	T-129	PGAE	Bay Area	9/8/2009	20	No	INC	6	17:30	22:19
241	RT	T-129	PGAE	Fresno	9/1/2009	1 - 11	YES	DEC	7	16:00	22:59
242	RT	T-129	PGAE	Fresno	9/1/2009	312	YES	INC	24	0:00	23:59
243	RT	T-129	PGAE	Fresno	9/2/2009	1 - 198	YES	DEC	16	8:10	23:44
244	RT	T-129	PGAE	Fresno	9/2/2009	373	YES	INC	24	0:00	23:59
245	RT	T-129	PGAE	Fresno	9/3/2009	0 - 90	No	DEC	6	18:40	23:39

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
246	RT	T-129	PGAE	Fresno	9/3/2009	404	YES	INC	24	0:05	23:58
247	RT	T-129	PGAE	Fresno	9/4/2009	187	YES	DEC	3	21:00	23:59
248	RT	T-129	PGAE	Fresno	9/4/2009	63	YES	INC	24	0:00	23:59
249	RT	T-129	PGAE	Fresno	9/5/2009	10 - 261	YES	DEC	8	15:45	22:59
250	RT	T-129	PGAE	Fresno	9/5/2009	43	YES	INC	23	0:00	22:59
251	RT	T-129	PGAE	Fresno	9/6/2009	0	YES	INC	10	0:00	9:59
252	RT	T-129	PGAE	Fresno	9/7/2009	83	No	DEC	17	6:35	22:59
253	RT	T-129	PGAE	Fresno	9/7/2009	0	No	INC	24	0:00	23:54
254	RT	T-129	PGAE	Fresno	9/8/2009	0	YES	INC	10	0:00	9:59
255	RT	T-129	PGAE	Fresno	9/9/2009	308	YES	DEC	1	2:05	2:59
256	RT	T-129	PGAE	Fresno	9/9/2009	0	YES	INC	9	1:15	9:59
257	RT	T-129	PGAE	Fresno	9/10/2009	308	YES	INC	24	0:30	23:59
258	RT	T-129	PGAE	Fresno	9/11/2009	28 - 75	No	DEC	3	17:50	19:59
259	RT	T-129	PGAE	Fresno	9/11/2009	97	No	INC	1	19:29	19:59
260	RT	T-129	PGAE	Fresno	9/12/2009	19	No	INC	11	0:00	10:59
261	RT	T-129	PGAE	Fresno	9/14/2009	94	YES	INC	22	1:55	22:49
262	RT	T-129	PGAE	Fresno	9/15/2009	31	No	DEC	2	21:45	22:51
263	RT	T-129	PGAE	Fresno	9/15/2009	29	No	INC	2	21:55	22:51
264	RT	T-129	PGAE	Fresno	9/16/2009	0	No	INC	5	3:35	7:59
265	RT	T-129	PGAE	Fresno	9/17/2009	80	No	DEC	3	19:45	21:59
266	RT	T-129	PGAE	Fresno	9/17/2009	37	No	INC	22	0:55	21:59
267	RT	T-129	PGAE	Fresno	9/18/2009	418	YES	INC	23	1:25	23:59
268	RT	T-129	PGAE	Fresno	9/19/2009	5 - 137	No	DEC	2	22:00	23:59
269	RT	T-129	PGAE	Fresno	9/19/2009	373	No	INC	24	0:00	23:59
270	RT	T-129	PGAE	Fresno	9/20/2009	721	YES	INC	18	0:00	17:59
271	RT	T-129	PGAE	Fresno	9/21/2009	0	YES	INC	24	0:15	23:59
272	RT	T-129	PGAE	Fresno	9/22/2009	0	No	INC	8	0:00	7:59
273	RT	T-129	PGAE	Fresno	9/23/2009	0	No	INC	4	6:35	9:59

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
274	RT	T-129	PGAE	Fresno	9/24/2009	0	No	INC	8	0:00	7:59
275	RT	T-129	PGAE	Fresno	9/26/2009	0	YES	INC	4	7:55	10:59
276	RT	T-129	PGAE	Fresno	9/27/2009	29	YES	INC	3	8:00	10:59
277	RT	T-132	SDGE	N/A	9/14/2009	35 - 175	No	DEC	14	8:30	21:59
278	RT	T-132	SDGE	N/A	9/20/2009	198 - 378	No	DEC	7	0:55	6:14
279	RT	T-132	SDGE	N/A	9/24/2009	85	No	DEC	1	7:35	7:49
280	RT	T-132	SDGE	San Diego	9/19/2009	186	No	DEC	2	7:25	8:59
281	RT	T-132	SDGE	San Diego	9/19/2009	230 - 280	No	INC	2	21:10	22:59
282	RT	T-135		NO LRA	9/18/2009	300	No	INC	2	15:25	16:59
283	RT	T-135	SCE	N/A	9/17/2009	0	No	INC	7	17:30	23:59
284	RT	T-135	SCE	N/A	9/18/2009	400	YES	INC	21	0:00	20:59
285	RT	T-135	SCE	N/A	9/19/2009	80	YES	INC	14	8:00	21:59
286	RT	T-135	SCE	N/A	9/21/2009	2 - 164	YES	DEC	10	10:10	19:59
287	RT	T-135	SCE	N/A	9/21/2009	19 - 120	YES	INC	10	10:10	19:59
288	RT	T-135	SCE	N/A	9/23/2009	44 - 65	YES	DEC	6	14:10	19:59
289	RT	T-135	SCE	N/A	9/23/2009	116 - 120	YES	INC	6	14:10	19:59
290	RT	T-138	PGAE	Humboldt	9/1/2009	15	YES	INC	18	6:05	23:49
291	RT	T-138	PGAE	Humboldt	9/2/2009	10	YES	DEC	5	12:00	16:24
292	RT	T-138	PGAE	Humboldt	9/2/2009	15	YES	INC	19	5:35	23:04
293	RT	T-138	PGAE	Humboldt	9/3/2009	10	YES	INC	18	5:50	22:59
294	RT	T-138	PGAE	Humboldt	9/4/2009	5 - 10	YES	DEC	3	20:13	22:54
295	RT	T-138	PGAE	Humboldt	9/4/2009	5 - 15	YES	INC	19	5:37	23:59
296	RT	T-138	PGAE	Humboldt	9/5/2009	30	YES	INC	24	0:00	23:29
297	RT	T-138	PGAE	Humboldt	9/6/2009	5 - 10	YES	INC	5	19:37	23:44
298	RT	T-138	PGAE	Humboldt	9/7/2009	5 - 15	YES	INC	4	19:11	22:42

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
299	RT	T-138	PGAE	Humboldt	9/8/2009	5	YES	DEC	4	6:42	9:24
300	RT	T-138	PGAE	Humboldt	9/8/2009	25	YES	INC	19	5:25	23:59
301	RT	T-138	PGAE	Humboldt	9/9/2009	15	YES	INC	19	5:40	23:29
302	RT	T-138	PGAE	Humboldt	9/10/2009	10	YES	DEC	2	5:45	6:05
303	RT	T-138	PGAE	Humboldt	9/10/2009	15	YES	INC	19	5:45	23:29
304	RT	T-138	PGAE	Humboldt	9/12/2009	10	YES	INC	4	19:30	22:39
305	RT	T-138	PGAE	Humboldt	9/13/2009	10	YES	INC	5	18:30	22:54
306	RT	T-138	PGAE	Humboldt	9/14/2009	5 - 15	No	DEC	8	6:48	13:29
307	RT	T-138	PGAE	Humboldt	9/14/2009	45	YES	INC	19	5:40	23:59
308	RT	T-138	PGAE	Humboldt	9/15/2009	36 - 46	No	DEC	1	21:00	21:59
309	RT	T-138	PGAE	Humboldt	9/15/2009	30 - 50	No	INC	24	0:00	23:59
310	RT	T-138	PGAE	Humboldt	9/16/2009	15	YES	INC	18	5:40	22:49
311	RT	T-138	PGAE	Humboldt	9/17/2009	5 - 15	YES	INC	18	5:54	22:00
312	RT	T-138	PGAE	Humboldt	9/18/2009	10 - 15	YES	DEC	3	20:09	22:29
313	RT	T-138	PGAE	Humboldt	9/18/2009	15	YES	INC	18	6:00	23:59
314	RT	T-138	PGAE	Humboldt	9/19/2009	15	YES	INC	16	8:35	23:29
315	RT	T-138	PGAE	Humboldt	9/20/2009	10 - 15	No	DEC	3	20:02	22:04
316	RT	T-138	PGAE	Humboldt	9/20/2009	15	YES	INC	5	19:03	23:29
317	RT	T-138	PGAE	Humboldt	9/21/2009	5 - 15	No	DEC	17	7:00	23:14
318	RT	T-138	PGAE	Humboldt	9/21/2009	15	YES	INC	19	5:21	23:14
319	RT	T-138	PGAE	Humboldt	9/22/2009	5 - 10	No	DEC	6	5:41	10:34
320	RT	T-138	PGAE	Humboldt	9/22/2009	15	YES	INC	18	5:34	22:09
321	RT	T-138	PGAE	Humboldt	9/23/2009	15	YES	INC	18	5:47	22:19
322	RT	T-138	PGAE	Humboldt	9/24/2009	10	YES	DEC	3	10:17	12:13
323	RT	T-138	PGAE	Humboldt	9/24/2009	15	YES	INC	19	5:43	23:04
324	RT	T-138	PGAE	Humboldt	9/25/2009	5 - 10	YES	DEC	17	6:52	22:59
325	RT	T-138	PGAE	Humboldt	9/25/2009	10	YES	INC	18	6:06	23:39
326	RT	T-138	PGAE	Humboldt	9/26/2009	5 - 10	YES	DEC	7	17:20	23:59
327	RT	T-138	PGAE	Humboldt	9/26/2009	10	YES	INC	23	1:25	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
328	RT	T-138	PGAE	Humboldt	9/27/2009	5 - 10	YES	DEC	15	9:00	23:59
329	RT	T-138	PGAE	Humboldt	9/27/2009	5	YES	INC	24	0:05	23:59
330	RT	T-138	PGAE	Humboldt	9/28/2009	5 - 10	YES	DEC	11	12:35	22:14
331	RT	T-138	PGAE	Humboldt	9/28/2009	10	YES	INC	13	0:00	12:34
332	RT	T-138	PGAE	Humboldt	9/29/2009	5 - 10	YES	DEC	8	5:45	12:34
333	RT	T-138	PGAE	Humboldt	9/29/2009	5	YES	INC	19	5:45	23:24
334	RT	T-138	PGAE	Humboldt	9/30/2009	10	YES	DEC	4	19:18	22:05
335	RT	T-138	PGAE	Humboldt	9/30/2009	5 - 15	YES	INC	9	5:50	13:04
336	RT	T-144	SCE	N/A	9/14/2009	40 - 80	YES	INC	16	8:00	23:59
337	RT	T-170	SCE	LA Basin	9/4/2009	82	YES	INC	7	13:49	19:09
338	RT	T-170	SCE	LA Basin	9/5/2009	40 - 80	YES	INC	4	14:08	17:07
339	RT	T-170	SDGE	San Diego	9/5/2009	38	YES	INC	1	15:00	15:24
340	RT	T-171	SCE	LA Basin	9/5/2009	0	YES	INC	2	17:20	18:44
341	RT	Thermal Margin	PGAE	Bay Area	9/1/2009	45 - 135	YES	INC	24	0:00	23:59
342	RT	Thermal Margin	PGAE	Bay Area	9/2/2009	45 - 135	No	INC	24	0:00	23:54
343	RT	Thermal Margin	PGAE	Bay Area	9/3/2009	135	No	INC	3	21:00	23:59
344	RT	Thermal Margin	PGAE	Bay Area	9/4/2009	135	No	INC	24	0:00	23:59
345	RT	Thermal Margin	PGAE	Bay Area	9/9/2009	90	YES	INC	1	16:45	16:49
346	RT	Thermal Margin	PGAE	Bay Area	9/10/2009	45 - 90	YES	INC	14	10:00	23:59
347	RT	Thermal Margin	SCE	Big Creek-Ventura	9/1/2009	40 - 140	YES	INC	24	0:00	23:59
348	RT	Thermal Margin	SCE	Big Creek-Ventura	9/2/2009	40 - 140	YES	INC	24	0:00	23:54
349	RT	Thermal Margin	SCE	Big Creek-Ventura	9/3/2009	40 - 170	YES	INC	24	0:00	23:54
350	RT	Thermal Margin	SCE	Big Creek-Ventura	9/10/2009	100	YES	INC	3	21:00	23:59
351	RT	Thermal Margin	SCE	Big Creek-	9/22/2009	100	YES	INC	24	0:00	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
				Ventura							
352	RT	Thermal Margin	SCE	LA Basin	9/8/2009	25	No	INC	9	15:50	23:59
353	RT	Thermal Margin	SCE	LA Basin	9/9/2009	13	YES	DEC	24	0:00	23:59
354	RT	Thermal Margin	SCE	LA Basin	9/9/2009	25	YES	INC	24	0:00	23:59
355	RT	Thermal Margin	SCE	LA Basin	9/17/2009	70	YES	INC	24	0:00	23:59
356	RT	Thermal Margin	SCE	LA Basin	9/19/2009	70	YES	INC	2	22:00	23:59
357	RT	Thermal Margin	SCE	LA Basin	9/20/2009	70 - 200	YES	INC	24	0:00	23:59
358	RT	Thermal Margin	SCE	LA Basin	9/21/2009	182	YES	INC	24	0:00	23:59
359	RT	Thermal Margin	SCE	LA Basin	9/22/2009	10 - 30	YES	INC	24	0:00	23:59
360	RT	Transmission Outage Other	PG&E	Bay Area	9/13/2009	90	YES	INC	24	0:00	23:59
361	RT	Transmission Outage Other-NG_H	SCE	Big Creek-Ventura	9/13/2009	100	YES	INC	24	0:00	23:59
362	RT	Transmission Outage Other-NG_H	SCE	LA Basin	9/13/2009	30 - 261	YES	INC	24	0:00	23:59
363	RT	Transmission Outage Other-NG_H	SCE	LA Basin	9/14/2009	20 - 40	YES	INC	24	0:00	23:59
364	RT	Transmission Outage Other-NG_H	SCE	LA Basin	9/16/2009	96 - 366	YES	DEC	18	6:00	23:59
365	RT	Transmission Outage Other-NG_H	SCE	LA Basin	9/16/2009	10	YES	INC	24	0:00	23:59
366	RT	Transmission Outage Other-NG_H	SCE	LA Basin	9/18/2009	295	No	DEC	1	17:05	17:09
367	RT	Transmission Outage Other-NG_H	SCE	LA Basin	9/19/2009	25 - 45	YES	INC	24	0:00	23:59
368	RT	Transmission Outage Other-NG_H	SCE	LA Basin	9/21/2009	101	YES	INC	24	0:00	23:59
369	RT	Transmission Outage Other-NG_H	SCE	LA Basin	9/22/2009	25	YES	INC	14	10:00	23:59
370	RT	Transmission Outage Other-NG_H	SDGE	San Diego	9/13/2009	20	YES	INC	24	0:00	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
371	RT	Transmission Outage PGAE		NO LRA	9/1/2009	59	YES	INC	7	0:00	6:59
372	RT	Transmission Outage PGAE		NO LRA	9/29/2009	59	YES	INC	14	8:25	21:59
373	RT	Transmission Outage PGAE		NO LRA	9/30/2009	59	No	INC	23	1:15	23:59
374	RT	Transmission Outage PGAE	PGAE	Bay Area	9/1/2009	4 - 329	YES	DEC	24	0:00	23:54
375	RT	Transmission Outage PGAE	PGAE	Bay Area	9/1/2009	86 - 446	YES	INC	24	0:00	23:54
376	RT	Transmission Outage PGAE	PGAE	Bay Area	9/2/2009	3 - 129	No	DEC	18	6:10	23:59
377	RT	Transmission Outage PGAE	PGAE	Bay Area	9/2/2009	10 - 150	No	INC	19	5:30	23:09
378	RT	Transmission Outage PGAE	PGAE	Bay Area	9/3/2009	10 - 100	No	DEC	24	0:00	23:59
379	RT	Transmission Outage PGAE	PGAE	Bay Area	9/3/2009	20 - 75	YES	INC	22	0:00	21:34
380	RT	Transmission Outage PGAE	PGAE	Bay Area	9/4/2009	13 - 154	No	DEC	18	6:25	23:59
381	RT	Transmission Outage PGAE	PGAE	Bay Area	9/4/2009	100 - 140	No	INC	18	6:25	23:59
382	RT	Transmission Outage PGAE	PGAE	Bay Area	9/5/2009	24 - 204	No	DEC	24	0:00	23:59
383	RT	Transmission Outage PGAE	PGAE	Bay Area	9/5/2009	175 - 480	No	INC	24	0:00	23:59
384	RT	Transmission Outage PGAE	PGAE	Bay Area	9/6/2009	28 - 185	No	DEC	24	0:00	23:59
385	RT	Transmission Outage PGAE	PGAE	Bay Area	9/6/2009	220 - 476	YES	INC	24	0:00	23:59
386	RT	Transmission Outage PGAE	PGAE	Bay Area	9/7/2009	30 - 210	No	DEC	23	0:00	22:24
387	RT	Transmission Outage PGAE	PGAE	Bay Area	9/7/2009	267 - 458	No	INC	24	0:00	23:59
388	RT	Transmission Outage PGAE	PGAE	Bay Area	9/8/2009	5 - 381	No	DEC	16	8:25	23:59
389	RT	Transmission Outage PGAE	PGAE	Bay Area	9/8/2009	125 - 234	No	INC	24	0:00	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
390	RT	Transmission Outage PGAE	PGAE	Bay Area	9/9/2009	15 - 192	No	DEC	24	0:00	23:59
391	RT	Transmission Outage PGAE	PGAE	Bay Area	9/9/2009	139 - 298	No	INC	24	0:00	23:59
392	RT	Transmission Outage PGAE	PGAE	Bay Area	9/10/2009	5 - 100	No	DEC	24	0:00	23:59
393	RT	Transmission Outage PGAE	PGAE	Bay Area	9/10/2009	134 - 570	YES	INC	24	0:00	23:59
394	RT	Transmission Outage PGAE	PGAE	Bay Area	9/12/2009	17 - 106	No	DEC	24	0:00	23:59
395	RT	Transmission Outage PGAE	PGAE	Bay Area	9/12/2009	17 - 568	YES	INC	24	0:25	23:59
396	RT	Transmission Outage PGAE	PGAE	Bay Area	9/13/2009	35 - 195	No	DEC	24	0:00	23:59
397	RT	Transmission Outage PGAE	PGAE	Bay Area	9/13/2009	87 - 187	No	INC	24	0:00	23:59
398	RT	Transmission Outage PGAE	PGAE	Bay Area	9/14/2009	4 - 105	No	DEC	24	0:00	23:59
399	RT	Transmission Outage PGAE	PGAE	Bay Area	9/14/2009	246 - 788	YES	INC	24	0:00	23:59
400	RT	Transmission Outage PGAE	PGAE	Bay Area	9/15/2009	5 - 152	No	DEC	24	0:00	23:59
401	RT	Transmission Outage PGAE	PGAE	Bay Area	9/15/2009	192 - 1039	YES	INC	24	0:00	23:59
402	RT	Transmission Outage PGAE	PGAE	Bay Area	9/16/2009	2 - 204	No	DEC	24	0:00	23:59
403	RT	Transmission Outage PGAE	PGAE	Bay Area	9/16/2009	113 - 310	YES	INC	24	0:00	23:59
404	RT	Transmission Outage PGAE	PGAE	Bay Area	9/17/2009	19 - 125	No	DEC	23	1:10	23:59
405	RT	Transmission Outage PGAE	PGAE	Bay Area	9/17/2009	255 - 605	YES	INC	24	0:00	23:59
406	RT	Transmission Outage PGAE	PGAE	Bay Area	9/18/2009	25 - 90	No	DEC	19	5:15	23:59
407	RT	Transmission Outage PGAE	PGAE	Bay Area	9/18/2009	183 - 356	YES	INC	24	0:00	23:59
408	RT	Transmission Outage PGAE	PGAE	Bay Area	9/19/2009	25 -	No	DEC	24	0:00	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
						175					
409	RT	Transmission Outage PGAE	PGAE	Bay Area	9/19/2009	140 - 273	No	INC	24	0:00	23:59
410	RT	Transmission Outage PGAE	PGAE	Bay Area	9/20/2009	25 - 131	No	DEC	24	0:10	23:59
411	RT	Transmission Outage PGAE	PGAE	Bay Area	9/20/2009	176 - 445	No	INC	24	0:00	23:59
412	RT	Transmission Outage PGAE	PGAE	Bay Area	9/21/2009	89	No	DEC	9	0:00	8:59
413	RT	Transmission Outage PGAE	PGAE	Bay Area	9/21/2009	202 - 667	No	INC	24	0:00	23:59
414	RT	Transmission Outage PGAE	PGAE	Bay Area	9/22/2009	117 - 257	No	INC	24	0:15	23:59
415	RT	Transmission Outage PGAE	PGAE	Bay Area	9/23/2009	152 - 340	No	INC	24	0:00	23:59
416	RT	Transmission Outage PGAE	PGAE	Bay Area	9/24/2009	167 - 255	No	INC	24	0:00	23:59
417	RT	Transmission Outage PGAE	PGAE	Bay Area	9/25/2009	154 - 255	No	INC	24	0:00	23:59
418	RT	Transmission Outage PGAE	PGAE	Bay Area	9/26/2009	159 - 252	No	INC	24	0:00	23:59
419	RT	Transmission Outage PGAE	PGAE	Bay Area	9/27/2009	130 - 250	No	INC	24	0:00	23:59
420	RT	Transmission Outage PGAE	PGAE	Bay Area	9/28/2009	2	No	DEC	24	0:00	23:59
421	RT	Transmission Outage PGAE	PGAE	Bay Area	9/28/2009	86 - 244	No	INC	24	0:00	23:59
422	RT	Transmission Outage PGAE	PGAE	Bay Area	9/29/2009	3 - 20	No	DEC	19	5:20	23:59
423	RT	Transmission Outage PGAE	PGAE	Bay Area	9/29/2009	86 - 168	No	INC	19	5:15	23:59
424	RT	Transmission Outage PGAE	PGAE	Bay Area	9/30/2009	152 - 209	No	INC	23	1:15	23:59
425	RT	Transmission Outage PGAE	PGAE	N/A	9/2/2009	50 - 104	No	DEC	10	12:50	21:44

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
426	RT	Transmission Outage PGAE	PGAE	N/A	9/2/2009	82 - 170	No	INC	8	14:00	21:44
427	RT	Transmission Outage PGAE	PGAE	N/A	9/3/2009	4 - 54	No	DEC	5	16:05	20:59
428	RT	Transmission Outage PGAE	PGAE	N/A	9/3/2009	88	No	INC	3	16:05	18:49
429	RT	Transmission Outage PGAE	PGAE	N/A	9/5/2009	2	No	DEC	1	3:00	3:09
430	RT	Transmission Outage PGAE	PGAE	N/A	9/5/2009	257 - 394	YES	INC	2	2:15	3:59
431	RT	Transmission Outage PGAE	PGAE	N/A	9/12/2009	52	YES	INC	2	22:00	23:59
432	RT	Transmission Outage PGAE	PGAE	N/A	9/13/2009	52	YES	INC	24	0:00	23:59
433	RT	Transmission Outage PGAE	PGAE	N/A	9/20/2009	110	No	DEC	8	16:32	23:09
434	RT	Transmission Outage PGAE	PGAE	N/A	9/20/2009	150 - 1296	No	INC	8	16:32	23:09
435	RT	Transmission Outage PGAE	PGAE	N/A	9/30/2009	52	YES	INC	17	0:00	16:59
436	RT	Transmission Outage PGAE	PGAE	Fresno	9/2/2009	143	No	INC	1	10:10	10:32
437	RT	Transmission Outage PGAE	PGAE	Fresno	9/7/2009	30 - 57	No	DEC	4	19:45	22:39
438	RT	Transmission Outage PGAE	PGAE	Fresno	9/7/2009	49	No	INC	4	19:45	22:39
439	RT	Transmission Outage PGAE	PGAE	Fresno	9/10/2009	13 - 81	No	DEC	4	10:02	13:19
440	RT	Transmission Outage PGAE	PGAE	Fresno	9/10/2009	12 - 19	No	INC	5	9:46	13:29
441	RT	Transmission Outage PGAE	PGAE	Fresno	9/16/2009	14 - 135	No	DEC	11	11:10	21:24
442	RT	Transmission Outage PGAE	PGAE	Fresno	9/17/2009	29 - 44	No	DEC	7	13:02	19:59
443	RT	Transmission Outage PGAE	PGAE	Fresno	9/18/2009	21 - 120	No	DEC	9	10:22	18:44
444	RT	Transmission Outage PGAE	PGAE	Fresno	9/18/2009	18 - 24	No	INC	2	18:45	19:29
445	RT	Transmission Outage PGAE	PGAE	Fresno	9/30/2009	0	YES	INC	10	0:00	9:59
446	RT	Transmission Outage PGAE	PGAE	Sierra	9/22/2009	26	YES	DEC	4	12:10	15:19
447	RT	Transmission Outage PGAE	PGAE	Sierra	9/22/2009	20	YES	INC	4	12:00	15:19
448	RT	Transmission Outage PGAE	PGAE	Sierra	9/23/2009	16	No	DEC	4	14:05	17:44
449	RT	Transmission Outage PGAE	PGAE	Sierra	9/23/2009	25 - 30	No	INC	6	12:50	17:44
450	RT	Transmission Outage PGAE	PGAE	Sierra	9/24/2009	16	YES	DEC	4	13:00	16:29

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
451	RT	Transmission Outage PGAE	PGAE	Sierra	9/24/2009	30	YES	INC	4	13:00	16:29
452	RT	Transmission Outage PGAE	SCE	Big Creek-Ventura	9/5/2009	311	No	DEC	1	2:17	2:44
453	RT	Transmission Outage PGAE	SCE	Big Creek-Ventura	9/23/2009	20	YES	INC	10	0:00	9:14
454	RT	Transmission Outage PGAE	SCE	LA Basin	9/12/2009	20	YES	INC	2	22:00	23:59
455	RT	Transmission Outage PGAE	SCE	LA Basin	9/14/2009	50 - 90	No	INC	10	10:15	19:59
456	RT	Transmission Outage SCE	PGAE	Fresno	9/12/2009	97	YES	INC	1	0:00	0:59
457	RT	Transmission Outage SCE	PGAE	Fresno	9/15/2009	3 - 25	No	DEC	10	9:35	18:29
458	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	9/10/2009	221	YES	DEC	1	12:10	12:29
459	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	9/16/2009	100	No	INC	10	14:45	23:59
460	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	9/17/2009	100 - 321	No	DEC	23	0:00	22:59
461	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	9/17/2009	0	No	INC	23	0:00	22:59
462	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	9/21/2009	20	YES	INC	1	23:00	23:59
463	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	9/22/2009	20 - 40	YES	INC	13	0:00	12:59
464	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	9/23/2009	30 - 117	YES	DEC	8	16:20	23:59
465	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	9/23/2009	20 - 40	YES	INC	8	16:15	23:59
466	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	9/28/2009	30 - 390	YES	DEC	17	3:00	19:04
467	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	9/28/2009	75	YES	INC	22	0:00	21:59
468	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	9/29/2009	20 - 80	YES	INC	18	6:00	23:59
469	RT	Transmission Outage SCE	SCE	Big Creek-	9/30/2009	20	YES	INC	24	0:00	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
				Ventura							
470	RT	Transmission Outage SCE	SCE	N/A	9/13/2009	40	No	INC	2	20:50	21:59
471	RT	Transmission Outage SCE	SCE	N/A	9/30/2009	52 - 53	No	DEC	2	9:38	10:09
472	RT	Transmission Outage SCE	SCE	LA Basin	9/8/2009	20 - 60	YES	INC	11	7:00	17:29
473	RT	Transmission Outage SCE	SCE	LA Basin	9/9/2009	91	YES	INC	15	9:00	23:59
474	RT	Transmission Outage SCE	SCE	LA Basin	9/10/2009	30 - 40	YES	INC	1	8:35	8:59
475	RT	Transmission Outage SCE	SCE	LA Basin	9/12/2009	20	YES	INC	2	22:00	23:59
476	RT	Transmission Outage SCE	SCE	LA Basin	9/14/2009	29 - 51	No	INC	2	9:00	10:14
477	RT	Transmission Outage SCE	SCE	LA Basin	9/16/2009	58 - 88	No	DEC	10	12:00	21:59
478	RT	Transmission Outage SCE	SCE	LA Basin	9/16/2009	2 - 52	No	INC	10	12:00	21:59
479	RT	Transmission Outage SCE	SCE	LA Basin	9/27/2009	17	YES	DEC	24	0:00	23:59
480	RT	Transmission Outage SCE	SCE	LA Basin	9/27/2009	20	YES	INC	24	0:00	23:59
481	RT	Transmission Outage SCE	SDGE	San Diego	9/10/2009	80 - 130	No	DEC	1	12:05	12:34
482	RT	Transmission Outage SDGE	PGAE	Bay Area	9/12/2009	45 - 90	YES	INC	24	0:00	23:59
483	RT	Transmission Outage SDGE	SCE	N/A	9/12/2009	80	YES	INC	18	6:00	23:59
484	RT	Transmission Outage SDGE	SCE	LA Basin	9/12/2009	10 - 156	YES	INC	24	0:00	23:59
485	RT	Transmission Outage SDGE	SCE	LA Basin	9/13/2009	116 - 136	YES	INC	24	0:00	23:59
486	RT	Transmission Outage SDGE	SDGE	San Diego	9/12/2009	40 - 60	YES	INC	24	0:00	23:59
487	RT	Transmission Outage SDGE	SDGE	San Diego	9/13/2009	80	YES	INC	24	0:00	23:59
488	RT	Transmission Outage SDGE	SDGE	San Diego	9/24/2009	98 - 133	No	DEC	2	11:30	12:59
489	RT	Transmission Outage SDGE	SDGE	San Diego	9/24/2009	60	No	INC	3	21:00	23:59
490	RT	Unit Testing		NO LRA	9/3/2009	5	YES	INC	1	16:30	16:39
491	RT	Unit Testing		NO LRA	9/10/2009	1 - 5	YES	INC	3	14:00	16:09
492	RT	Unit Testing		NO LRA	9/17/2009	1 - 5	YES	INC	2	14:00	15:09
493	RT	Unit Testing		NO LRA	9/22/2009	194 - 587	YES	INC	9	15:00	23:54

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
494	RT	Unit Testing		NO LRA	9/24/2009	7	YES	INC	1	14:00	14:09
495	RT	Unit Testing		NO LRA	9/30/2009	1 - 443	YES	INC	11	5:00	15:44
496	RT	Unit Testing	SCE	LA Basin	9/17/2009	0	YES	INC	1	21:30	21:34

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