



California Independent  
System Operator Corporation

December 15, 2011

The Honorable Kimberly D. Bose  
Secretary  
Federal Energy Regulatory Commission  
888 First Street, NE  
Washington, DC 20426

**Re: California Independent System Operator Corporation  
Docket Nos. ER08-1178-\_\_\_\_ and EL08-88-\_\_\_\_  
October 2011 Exceptional Dispatch Report (Chart 1 data)**

Dear Secretary Bose:

Pursuant to the Commission's September 2, 2009 and May 4, 2010 orders in the above referenced dockets, the California Independent System Operator Corporation submits the attached report. The attached report provides details concerning Exceptional Dispatches the Commission directed to be included in "Chart 1" as set forth in Appendix A of the September 2 order, as modified by the ISO's September 14 motion for clarification, which the Commission granted in its May 4 order. The attached report provides Chart 1 data for the month of October 2011.

Respectfully submitted,

**By: /s/ Sidney M. Davies**

Nancy Saracino  
General Counsel  
Sidney M. Davies  
Assistant General Counsel  
California Independent System  
Operator Corporation  
250 Outcropping Way  
Folsom, CA 95630  
Tel: (916) 608-7144  
Fax: (916)608-7222  
[sdavies@caiso.com](mailto:sdavies@caiso.com)



# Exceptional Dispatch Report

## Table 1: October 2011

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## Introduction

This report is filed pursuant to FERC’s September 2, 2009 and May 4, 2010 orders in ER08-1178. These orders require two monthly Exceptional Dispatch reports—one issued on the 15<sup>th</sup> of each month and one issued on the 30<sup>th</sup> of each month. This report provides data on the frequency and reasons for Exceptional Dispatches issued in October 2011.

## The Nature of Exceptional Dispatch

The ISO can issue exceptional dispatch instructions for a resource as a pre-day-ahead unit commitment, a post-day-ahead unit commitment, or a real-time exceptional dispatch<sup>1</sup>. A pre-day-ahead commitment is an exceptional dispatch instruction that commits a resource at or above its physical minimum operating level in the day-ahead market. A post-day-ahead market commitment is an exceptional dispatch instruction that commits a resource at or above its physical minimum operating level in the real-time market. A real-time exceptional dispatch instruction is a dispatch of a resource at or above its physical minimum operating point. For the purposes of this report, a real-time exceptional dispatch above the resource day-ahead award is considered an incremental exceptional dispatch instruction and an exceptional dispatch below the day-ahead award is considered a decremental dispatch instruction.

The ISO issues exceptional dispatch instructions primarily for constraints which are not enforced or not completely enforced in the market software. Whenever the ISO issues an exceptional dispatch instruction, such instructions are logged into the scheduling and logging system (“SLIC”), including the associated reason. These reasons are associated with the constraints that are not currently incorporated into the market application. In addition to model constraints, the ISO also issues exceptional dispatch instructions for software failures.

Many of the exceptional dispatches listed below in Table 1, were to satisfy either a local area or system reliability requirements, and are classified into local generation requirements, transmission management requirements, non-modeled transmission outages or other requirements, such as ramp requirements and inertia emergency assistance. All reason codes starting with “G” refer to an ISO operating procedure for generation requirements and reason codes starting with “T” refer to an ISO operating procedure for transmission facilities. Most of the generation procedures are internal to the ISO and not available on the ISO website. All of the transmission procedures are available on the CAISO website<sup>2</sup>.

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<sup>1</sup> The ISO can issue exceptional dispatch instruction subject to authority of the ISO Tariff Section 34.9 and in accordance with ISO Operating Procedure 2330 (formerly M-402).

<sup>2</sup> A list of all of the ISO’s publicly available Operating Procedures are available at the following link: <http://www.caiso.com/thegrid/operations/opsdoc/index.html>

In October 2011, the ISO issued exceptional dispatches for the following local area generation requirement: (1) G-206, San Diego area generation requirements; (2) G-217, South of Lugo generation requirements; and (3) G-219, SCE area generation requirements. Exceptional dispatch instructions were also issued for the following transmission management requirements: (1) T-100, COI master operating procedure; (2) T-129, transmission facilities in Fresno area; (3) T-138, transmission facilities in Humboldt area; (4) T-165 transmission facilities in Palermo Rio-Oso area; (5) T-167, transmission facilities in Tesla/Bellota Area; (6) T-169, Julian Hinds-Mirage 230 kV line overload mitigation & Eagle Mountain bank emergency mitigation; and (7) other transmission outages in PG&E, SCE and SDG&E area.

The following additional reasons for exceptional dispatch instructions in October 2011 were not related to specific generation or transmission operating procedures: (1) Software Limitation, when an exceptional dispatch instruction was used to bridge schedules across days for resources with a minimum down time of 24 hours, as the ISO software does not handle multi day commitment. For instance, a resource has a day-ahead schedule from 0600 till 2300, and then is shut down in 2400. If this resource had a minimum down time of 24 hours and it is required the following day, then the ISO issues an exceptional dispatch to commit this resource in 2400 so that it can be dispatched economically in the following day. Software limitation reason was also used for exceptional dispatches to manually issue shut down instructions to a resource because of a temporary Automatic Dispatch System (“ADS”) failure, or similar issues; (2) Market Disruption, when the exceptional dispatch instructions were issued due to HASP failures; and (3) Ramp Rate, when exceptional dispatch instructions were issued to dispatch a resource above its physical minimum to a level where the resource has significantly higher ramp rate capability. For example, a resource could have a ramp rate of 2 MW/min at its physical minimum of 100 MW, but a significantly higher ramp rate of 10 MW/min at 250 MW. The operators could issue an exceptional dispatch for this resource to be dispatched to 250 MW, so that the resource could respond to the anticipated steep load ramp or to a potential contingency. There were a few other reasons used to explain exceptional dispatch instructions in October, which are self explanatory.

As mentioned earlier, the data shown in Table 1 is based on a template specified in the September 2009 order<sup>3</sup>. Each entry in Attachment A is a summary of exceptional dispatches classified by (1) the reason for the exceptional dispatch; (2) the location of the resource by Participating Transmission Owner (“PTO”) service area; (3) the Local Reliability Area (“LRA”) where applicable; (4) the

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<sup>3</sup> The data in Table 1 is principally SLIC information supplemented with data from the Market Quality System (MQS). It is the most accurate currently available and it is worth noting that this data has been through the T+38B initial statement process wherein many unresolved issues are fixed. The CAISO believes that this data will correlate well with the settlements data that will be available when the CAISO files the Table 2 report for the reporting period.

market in which the exceptional dispatch occurred (day-ahead vs. real-time); and (5) the date of the exceptional dispatch. For each classification the following information is provided: (1) Megawatts (MW); (2) Commitment (3) Inc or Dec (4) Hours; (5) Begin Time; and (6) End Time.

The MW column shows the range of exceptional dispatch instructions in MW for the classification. The Commitment column specifies if there was a unit commitment for the classification. The INC/DEC/NA column specifies if there was an incremental dispatch, a decremental dispatch, or only a unit commitment. If the exceptional dispatch was only a unit commitment, the column shows NA for the classification. The Begin Time column shows the start of exceptional dispatch for the classification and the End Time column shows the end of exceptional dispatch for the classification. The column Hours is the difference between end time and begin time rounded up to the next hour. The data shown is further explained by way of example in Attachment A.

Table 1 indicates that there were a total of 277 exceptional dispatches in October 2011, decreasing by 117 as compared to the November 15, 2011 report for September 2011. There was one exceptional dispatch in the day-ahead market. Exceptional dispatches issued for the following reasons accounted for approximately 68 percent of the total exceptional dispatches during the reporting period: Transmission Outage PG&E, Software Limitation, T-167, and System Energy.

**Table 1: Exceptional Dispatches in October 2011**

**California Independent System Operator Corporation  
Exceptional Dispatch Report  
December 15, 2011**

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

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
1	DA	Transmission Outage PG&E	PG&E	Bay Area	26-Oct-11	135	Yes	N/A	24	0:00	23:00
2	RT	Bridging Schedules	SCE	LA Basin	13-Oct-11	20- 40	Yes	INC	3	21:00	23:59
3	RT	Bridging Schedules	SDG&E	San Diego	12-Oct-11	20	Yes	INC	2	22:00	23:59
4	RT	Bridging Schedules	SDG&E	San Diego	25-Oct-11	155	Yes	INC	1	23:00	23:59
5	RT	Dispatch Modification	PG&E	Sierra	11-Oct-11	0	Yes	INC	2	12:45	13:44
6	RT	Dispatch Modification	PG&E	Sierra	31-Oct-11	0	Yes	INC	4	12:40	15:59
7	RT	Dispatch Modification	SCE	LA Basin	11-Oct-11	91	No	DEC	15	9:00	23:59
8	RT	Dispatch Modification	SCE	LA Basin	13-Oct-11	70- 471	No	DEC	11	13:00	23:59
9	RT	Dispatch Modification	SCE	LA Basin	13-Oct-11	45	Yes	INC	23	1:00	23:59
10	RT	Dispatch Modification	SCE	LA Basin	14-Oct-11	800	No	INC	2	11:16	12:09
11	RT	Dispatch Modification	SCE	N/A	14-Oct-11	78	No	INC	1	11:10	11:56
12	RT	Failed Telemetry	PG&E	N/A	10-Oct-11	0	Yes	INC	3	7:47	9:59
13	RT	Fast Start Unit Management	SCE	LA Basin	21-Oct-11	0	Yes	INC	1	18:35	18:59
14	RT	G-206	N/A	N/A	16-Oct-11	0	Yes	INC	2	9:50	10:49
15	RT	G-206	SDG&E	San Diego	16-Oct-11	200	No	INC	4	6:50	9:59
16	RT	G-217	SCE	LA Basin	11-Oct-11	20	Yes	INC	15	9:00	23:59
17	RT	G-219	SCE	LA Basin	5-Oct-11	20	Yes	INC	17	7:00	23:59
18	RT	Load Forecast Uncertainty	SCE	LA Basin	12-Oct-11	25	Yes	INC	1	11:00	11:59
19	RT	Market Disruption	N/A	N/A	7-Oct-11	707	Yes	INC	1	10:00	10:59
20	RT	Market Disruption	N/A	N/A	9-Oct-11	450-1377	Yes	INC	9	12:00	20:59

Department of Market Analysis and Development– California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
21	RT	Market Disruption	N/A	N/A	12-Oct-11	300	Yes	INC	1	17:00	17:59
22	RT	Market Disruption	N/A	N/A	13-Oct-11	12	No	DEC	1	18:00	18:59
23	RT	Market Disruption	N/A	N/A	13-Oct-11	733	Yes	INC	1	18:00	18:59
24	RT	Market Disruption	N/A	N/A	19-Oct-11	855	Yes	INC	1	17:00	17:59
25	RT	Market Disruption	N/A	N/A	23-Oct-11	1642	Yes	INC	1	16:00	16:59
26	RT	Market Disruption	PG&E	Bay Area	13-Oct-11	135	No	DEC	1	18:07	18:19
27	RT	Market Disruption	PG&E	Fresno	13-Oct-11	320	No	INC	1	18:07	18:19
28	RT	Market Disruption	SCE	LA Basin	13-Oct-11	135	Yes	DEC	1	18:08	18:19
29	RT	Market Disruption	SCE	LA Basin	13-Oct-11	200	No	INC	1	18:08	18:19
30	RT	Path 26	SCE	Big Creek-Ventura	21-Oct-11	129- 130	Yes	INC	2	15:09	16:08
31	RT	Path 26	SCE	LA Basin	12-Oct-11	290- 315	Yes	INC	6	15:15	20:59
32	RT	Path 26	SDG&E	San Diego	12-Oct-11	175- 300	Yes	INC	7	15:13	21:59
33	RT	Pump Management	PG&E	Fresno	7-Oct-11	294	Yes	INC	2	4:00	5:29
34	RT	Ramp Rate	N/A	N/A	12-Oct-11	44- 46	Yes	DEC	10	12:05	21:59
35	RT	Ramp Rate	N/A	N/A	12-Oct-11	69- 133	Yes	INC	10	12:05	21:59
36	RT	Ramp Rate	PG&E	Bay Area	26-Oct-11	124	No	DEC	2	17:00	18:59
37	RT	Ramp Rate	PG&E	Bay Area	26-Oct-11	2- 51	No	INC	2	17:00	18:59
38	RT	Ramp Rate	PG&E	N/A	21-Oct-11	99	No	INC	2	14:51	15:01
39	RT	Ramp Rate	SCE	Big Creek-Ventura	23-Oct-11	200- 350	Yes	INC	1	15:00	15:59
40	RT	Ramp Rate	SCE	LA Basin	12-Oct-11	72	Yes	INC	13	11:55	23:59
41	RT	Ramp Rate	SCE	LA Basin	13-Oct-11	72	Yes	INC	14	10:40	23:59
42	RT	Ramp Rate	SCE	LA Basin	18-Oct-11	45- 90	No	INC	2	5:05	6:59
43	RT	Ramp Rate	SDG&E	San Diego	25-Oct-11	68	No	INC	2	18:15	19:59
44	RT	Ramp Rate	SDG&E	San Diego	31-Oct-11	63	No	INC	11	9:40	19:59
45	RT	Risk Predictor	PG&E	N/A	29-Oct-11	140	Yes	INC	12	10:00	21:59
46	RT	Risk Predictor	SCE	LA Basin	13-Oct-11	20- 60	Yes	INC	23	1:00	23:59
47	RT	Risk Predictor	SCE	LA Basin	14-Oct-11	60- 80	Yes	INC	3	19:00	21:59

Department of Market Analysis and Development– California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
48	RT	Risk Predictor	SCE	LA Basin	28-Oct-11	10- 170	Yes	INC	17	7:00	23:59
49	RT	Risk Predictor	SCE	LA Basin	29-Oct-11	160	No	INC	24	0:00	23:59
50	RT	Risk Predictor	SDG&E	San Diego	13-Oct-11	20	Yes	INC	23	1:00	23:59
51	RT	SDG&E Gas Outage	SDG&E	San Diego	1-Oct-11	281	No	INC	17	6:40	22:14
52	RT	SDG&E Gas Outage	SDG&E	San Diego	9-Oct-11	155	Yes	DEC	6	0:00	5:59
53	RT	Software Limitation	N/A	N/A	7-Oct-11	320	No	INC	5	1:45	5:59
54	RT	Software Limitation	N/A	N/A	10-Oct-11	0	Yes	INC	1	17:25	17:54
55	RT	Software Limitation	N/A	N/A	24-Oct-11	160	Yes	INC	1	15:25	15:59
56	RT	Software Limitation	PG&E	Bay Area	13-Oct-11	180	No	INC	4	14:37	17:59
57	RT	Software Limitation	PG&E	Bay Area	31-Oct-11	40	Yes	INC	2	18:06	19:01
58	RT	Software Limitation	PG&E	Fresno	5-Oct-11	294	No	DEC	1	0:45	0:59
59	RT	Software Limitation	PG&E	Fresno	7-Oct-11	320	No	INC	5	1:00	5:59
60	RT	Software Limitation	PG&E	Fresno	14-Oct-11	59	No	INC	2	15:20	16:59
61	RT	Software Limitation	PG&E	Fresno	18-Oct-11	46- 96	Yes	DEC	6	16:30	21:04
62	RT	Software Limitation	PG&E	Fresno	18-Oct-11	0	Yes	INC	3	19:05	21:04
63	RT	Software Limitation	PG&E	Fresno	21-Oct-11	300	Yes	INC	1	8:43	8:51
64	RT	Software Limitation	PG&E	Fresno	22-Oct-11	47	Yes	INC	4	19:10	22:59
65	RT	Software Limitation	PG&E	Fresno	27-Oct-11	48	Yes	INC	1	5:45	5:59
66	RT	Software Limitation	PG&E	Fresno	28-Oct-11	0	Yes	INC	1	21:20	21:49
67	RT	Software Limitation	PG&E	Fresno	30-Oct-11	0	No	INC	1	6:00	6:24
68	RT	Software Limitation	PG&E	N/A	8-Oct-11	0	Yes	INC	4	20:25	23:29
69	RT	Software Limitation	PG&E	N/A	10-Oct-11	18	Yes	DEC	2	13:56	14:21
70	RT	Software Limitation	PG&E	N/A	10-Oct-11	0	Yes	INC	1	15:07	15:21
71	RT	Software Limitation	PG&E	N/A	18-Oct-11	28- 60	No	DEC	7	6:12	12:59
72	RT	Software Limitation	PG&E	N/A	24-Oct-11	3	No	INC	3	15:00	17:59
73	RT	Software Limitation	PG&E	N/A	31-Oct-11	66	Yes	INC	2	18:06	19:05
74	RT	Software Limitation	SCE	Big Creek-Ventura	21-Oct-11	0	Yes	INC	1	16:08	16:54
75	RT	Software Limitation	SCE	LA Basin	3-Oct-11	40	Yes	INC	3	13:45	15:09

Department of Market Analysis and Development– California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
76	RT	Software Limitation	SCE	LA Basin	10-Oct-11	0	Yes	INC	5	17:25	21:49
77	RT	Software Limitation	SCE	LA Basin	11-Oct-11	0	Yes	INC	1	1:20	1:49
78	RT	Software Limitation	SCE	LA Basin	12-Oct-11	140- 976	No	DEC	11	13:00	23:59
79	RT	Software Limitation	SCE	LA Basin	12-Oct-11	60	Yes	INC	15	9:00	23:59
80	RT	Software Limitation	SCE	LA Basin	13-Oct-11	0	Yes	INC	6	18:00	23:59
81	RT	Software Limitation	SCE	LA Basin	20-Oct-11	0	Yes	INC	2	21:50	22:49
82	RT	Software Limitation	SCE	LA Basin	21-Oct-11	0	Yes	INC	1	21:30	21:59
83	RT	Software Limitation	SCE	LA Basin	22-Oct-11	0	Yes	INC	1	22:10	22:59
84	RT	Software Limitation	SCE	LA Basin	27-Oct-11	0	Yes	INC	16	8:45	23:59
85	RT	Software Limitation	SCE	LA Basin	30-Oct-11	0	Yes	INC	2	22:15	23:14
86	RT	Software Limitation	SCE	N/A	13-Oct-11	185	No	DEC	1	18:06	18:19
87	RT	Software Limitation	SDG&E	San Diego	5-Oct-11	0	Yes	INC	2	11:00	12:59
88	RT	Software Limitation	SDG&E	San Diego	10-Oct-11	0	Yes	INC	1	17:20	17:59
89	RT	Software Limitation	SDG&E	San Diego	13-Oct-11	0	Yes	INC	2	19:35	20:14
90	RT	Software Limitation	SDG&E	San Diego	14-Oct-11	400- 830	Yes	INC	3	9:50	11:07
91	RT	Software Limitation	SDG&E	San Diego	16-Oct-11	155	No	DEC	2	4:00	5:59
92	RT	System Energy	N/A	N/A	5-Oct-11	310	Yes	DEC	1	22:00	22:59
93	RT	System Energy	N/A	N/A	5-Oct-11	125	Yes	INC	1	22:00	22:59
94	RT	System Energy	N/A	N/A	6-Oct-11	90- 400	Yes	INC	5	1:00	5:59
95	RT	System Energy	N/A	N/A	10-Oct-11	650	Yes	INC	1	18:00	18:59
96	RT	System Energy	N/A	N/A	11-Oct-11	150	Yes	INC	1	18:00	18:59
97	RT	System Energy	N/A	N/A	17-Oct-11	337	Yes	INC	1	6:00	6:59
98	RT	System Energy	N/A	N/A	21-Oct-11	50	Yes	INC	1	18:00	18:59
99	RT	System Energy	N/A	N/A	23-Oct-11	952	Yes	INC	1	18:00	18:59
100	RT	System Energy	N/A	N/A	24-Oct-11	214- 957	Yes	INC	2	17:00	18:59
101	RT	System Energy	N/A	N/A	29-Oct-11	625	Yes	INC	1	18:00	18:59
102	RT	System Energy	N/A	N/A	31-Oct-11	135- 325	Yes	INC	8	11:00	18:59
103	RT	System Energy	PG&E	N/A	16-Oct-11	380	No	INC	2	18:33	19:02
104	RT	T-100	N/A	N/A	11-Oct-11	40	Yes	INC	3	17:40	19:59

Department of Market Analysis and Development– California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
105	RT	T-100	PG&E	Bay Area	11-Oct-11	40	No	INC	3	17:15	19:59
106	RT	T-100	PG&E	N/A	31-Oct-11	56- 80	No	DEC	3	14:50	16:59
107	RT	T-100	PG&E	N/A	31-Oct-11	24	Yes	INC	3	14:50	16:59
108	RT	T-129	PG&E	Fresno	6-Oct-11	3	Yes	DEC	1	23:55	23:59
109	RT	T-129	PG&E	Fresno	7-Oct-11	62	Yes	INC	1	0:00	0:14
110	RT	T-129	PG&E	Fresno	11-Oct-11	5	Yes	DEC	7	15:50	21:04
111	RT	T-129	PG&E	Fresno	11-Oct-11	5	Yes	INC	9	15:50	23:59
112	RT	T-129	PG&E	Fresno	12-Oct-11	3- 5	No	DEC	24	0:00	23:59
113	RT	T-129	PG&E	Fresno	12-Oct-11	20- 60	No	INC	24	0:05	23:59
114	RT	T-129	PG&E	Fresno	13-Oct-11	8	No	INC	23	1:00	23:59
115	RT	T-138	PG&E	Humboldt	9-Oct-11	48	No	INC	6	18:40	23:58
116	RT	T-165	PG&E	Sierra	7-Oct-11	20	Yes	INC	7	13:40	19:49
117	RT	T-167	PG&E	Stockton	1-Oct-11	3- 11	No	DEC	19	5:30	23:59
118	RT	T-167	PG&E	Stockton	1-Oct-11	15- 63	No	INC	19	5:30	23:59
119	RT	T-167	PG&E	Stockton	2-Oct-11	2	No	DEC	24	0:00	23:59
120	RT	T-167	PG&E	Stockton	2-Oct-11	57	No	INC	24	0:00	23:59
121	RT	T-167	PG&E	Stockton	3-Oct-11	5- 10	No	DEC	24	0:00	23:59
122	RT	T-167	PG&E	Stockton	3-Oct-11	57	No	INC	24	0:00	23:59
123	RT	T-167	PG&E	Stockton	4-Oct-11	10	No	DEC	24	0:00	23:59
124	RT	T-167	PG&E	Stockton	4-Oct-11	47- 57	No	INC	24	0:00	23:59
125	RT	T-167	PG&E	Stockton	5-Oct-11	9	No	DEC	20	4:40	23:59
126	RT	T-167	PG&E	Stockton	5-Oct-11	57	No	INC	20	4:40	23:59
127	RT	T-167	PG&E	Stockton	6-Oct-11	9	No	DEC	24	0:00	23:59
128	RT	T-167	PG&E	Stockton	6-Oct-11	10- 57	No	INC	24	0:00	23:59
129	RT	T-167	PG&E	Stockton	7-Oct-11	4	No	DEC	19	5:40	23:59
130	RT	T-167	PG&E	Stockton	7-Oct-11	39- 63	No	INC	19	5:40	23:59
131	RT	T-167	PG&E	Stockton	8-Oct-11	4	No	DEC	24	0:00	23:59
132	RT	T-167	PG&E	Stockton	8-Oct-11	2- 63	No	INC	24	0:00	23:59
133	RT	T-167	PG&E	Stockton	9-Oct-11	3- 4	No	DEC	24	0:00	23:58

Department of Market Analysis and Development– California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
134	RT	T-167	PG&E	Stockton	9-Oct-11	1- 63	No	INC	24	0:00	23:58
135	RT	T-167	PG&E	Stockton	10-Oct-11	4	No	DEC	24	0:00	23:59
136	RT	T-167	PG&E	Stockton	10-Oct-11	32- 63	No	INC	24	0:00	23:59
137	RT	T-167	PG&E	Stockton	11-Oct-11	44- 63	No	INC	23	1:00	23:59
138	RT	T-167	PG&E	Stockton	12-Oct-11	4	No	DEC	23	1:00	23:59
139	RT	T-167	PG&E	Stockton	12-Oct-11	62- 63	No	INC	23	1:00	23:59
140	RT	T-167	PG&E	Stockton	13-Oct-11	0- 4	No	DEC	23	1:00	23:59
141	RT	T-167	PG&E	Stockton	13-Oct-11	2- 63	No	INC	23	1:00	23:59
142	RT	T-167	PG&E	Stockton	14-Oct-11	4	No	DEC	3	19:00	21:59
143	RT	T-167	PG&E	Stockton	14-Oct-11	0	No	INC	3	19:00	21:59
144	RT	T-169	SCE	N/A	13-Oct-11	1- 59	No	DEC	11	11:17	21:59
145	RT	T-169	SCE	N/A	13-Oct-11	360	No	INC	9	15:58	23:59
146	RT	T-169	SCE	N/A	14-Oct-11	38- 180	No	INC	2	0:00	1:59
147	RT	T-169	SCE	N/A	21-Oct-11	1- 2	No	DEC	2	21:34	22:16
148	RT	Transmission Outage Other	PG&E	Fresno	4-Oct-11	0	No	INC	1	23:45	23:58
149	RT	Transmission Outage Other	PG&E	Humboldt	15-Oct-11	29	No	INC	1	17:03	17:59
150	RT	Transmission Outage PG&E	N/A	N/A	1-Oct-11	1- 4	Yes	DEC	4	20:00	23:59
151	RT	Transmission Outage PG&E	N/A	N/A	1-Oct-11	15- 58	Yes	INC	24	0:00	23:59
152	RT	Transmission Outage PG&E	N/A	N/A	2-Oct-11	1- 4	Yes	DEC	15	9:20	23:59
153	RT	Transmission Outage PG&E	N/A	N/A	2-Oct-11	15- 64	Yes	INC	24	0:00	23:59
154	RT	Transmission Outage PG&E	N/A	N/A	3-Oct-11	4	Yes	DEC	2	11:55	12:59
155	RT	Transmission Outage PG&E	N/A	N/A	3-Oct-11	29- 73	Yes	INC	15	0:00	14:49
156	RT	Transmission Outage PG&E	N/A	N/A	4-Oct-11	1- 4	Yes	DEC	5	18:25	22:29
157	RT	Transmission Outage PG&E	N/A	N/A	4-Oct-11	15- 64	Yes	INC	18	6:25	23:59
158	RT	Transmission Outage PG&E	N/A	N/A	5-Oct-11	15- 44	Yes	INC	13	0:00	12:59
159	RT	Transmission Outage PG&E	N/A	N/A	6-Oct-11	15	Yes	INC	10	13:00	22:59
160	RT	Transmission Outage PG&E	N/A	N/A	9-Oct-11	1	Yes	DEC	3	21:45	23:58
161	RT	Transmission Outage PG&E	N/A	N/A	9-Oct-11	32	Yes	INC	3	21:45	23:58
162	RT	Transmission Outage PG&E	N/A	N/A	10-Oct-11	1	Yes	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
163	RT	Transmission Outage PG&E	N/A	N/A	10-Oct-11	3- 64	Yes	INC	24	0:00	23:59
164	RT	Transmission Outage PG&E	N/A	N/A	12-Oct-11	1- 7	Yes	DEC	16	6:30	21:59
165	RT	Transmission Outage PG&E	N/A	N/A	12-Oct-11	29- 61	Yes	INC	17	6:30	22:59
166	RT	Transmission Outage PG&E	N/A	N/A	16-Oct-11	32- 63	Yes	INC	7	16:10	22:19
167	RT	Transmission Outage PG&E	N/A	N/A	17-Oct-11	15	Yes	INC	5	18:40	22:44
168	RT	Transmission Outage PG&E	N/A	N/A	18-Oct-11	48	Yes	INC	12	7:30	18:59
169	RT	Transmission Outage PG&E	N/A	N/A	19-Oct-11	15- 48	Yes	INC	24	0:00	23:59
170	RT	Transmission Outage PG&E	N/A	N/A	20-Oct-11	32- 48	Yes	INC	4	0:00	3:59
171	RT	Transmission Outage PG&E	N/A	N/A	21-Oct-11	16- 29	Yes	INC	14	9:00	22:24
172	RT	Transmission Outage PG&E	N/A	N/A	22-Oct-11	29	Yes	INC	1	9:15	9:59
173	RT	Transmission Outage PG&E	N/A	N/A	23-Oct-11	16- 80	Yes	INC	6	18:00	23:59
174	RT	Transmission Outage PG&E	N/A	N/A	24-Oct-11	32- 93	Yes	INC	14	0:00	13:59
175	RT	Transmission Outage PG&E	N/A	N/A	25-Oct-11	13	Yes	INC	1	12:20	12:59
176	RT	Transmission Outage PG&E	N/A	N/A	26-Oct-11	16- 45	Yes	INC	5	6:30	10:59
177	RT	Transmission Outage PG&E	PG&E	Bay Area	23-Oct-11	24- 46	Yes	INC	4	19:00	22:59
178	RT	Transmission Outage PG&E	PG&E	Bay Area	24-Oct-11	44- 93	Yes	INC	16	1:00	16:08
179	RT	Transmission Outage PG&E	PG&E	Bay Area	25-Oct-11	45- 90	Yes	INC	8	16:00	23:59
180	RT	Transmission Outage PG&E	PG&E	Bay Area	26-Oct-11	7- 601	No	DEC	24	0:00	23:59
181	RT	Transmission Outage PG&E	PG&E	Bay Area	26-Oct-11	0	No	INC	24	0:00	23:59
182	RT	Transmission Outage PG&E	PG&E	Bay Area	27-Oct-11	90- 135	Yes	INC	24	0:00	23:59
183	RT	Transmission Outage PG&E	PG&E	Bay Area	28-Oct-11	45	Yes	INC	17	0:00	16:59
184	RT	Transmission Outage PG&E	PG&E	Fresno	5-Oct-11	294	No	DEC	1	0:00	0:59
185	RT	Transmission Outage PG&E	PG&E	Humboldt	1-Oct-11	15- 29	No	INC	6	17:50	22:41
186	RT	Transmission Outage PG&E	PG&E	Humboldt	2-Oct-11	15- 32	No	INC	13	9:00	21:59
187	RT	Transmission Outage PG&E	PG&E	Humboldt	3-Oct-11	29- 61	No	INC	19	5:09	23:59
188	RT	Transmission Outage PG&E	PG&E	Humboldt	4-Oct-11	16- 48	No	INC	20	0:00	19:02
189	RT	Transmission Outage PG&E	PG&E	Humboldt	5-Oct-11	32- 76	No	INC	18	6:55	23:59
190	RT	Transmission Outage PG&E	PG&E	Humboldt	6-Oct-11	29- 61	Yes	INC	24	0:00	23:59
191	RT	Transmission Outage PG&E	PG&E	Humboldt	7-Oct-11	15- 71	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
192	RT	Transmission Outage PG&E	PG&E	Humboldt	8-Oct-11	29- 74	No	INC	24	0:00	23:59
193	RT	Transmission Outage PG&E	PG&E	Humboldt	9-Oct-11	15- 61	No	INC	24	0:00	23:26
194	RT	Transmission Outage PG&E	PG&E	Humboldt	10-Oct-11	29- 61	No	INC	18	6:09	23:29
195	RT	Transmission Outage PG&E	PG&E	Humboldt	11-Oct-11	32- 76	No	INC	23	1:00	23:59
196	RT	Transmission Outage PG&E	PG&E	Humboldt	12-Oct-11	29- 32	No	INC	23	1:00	23:58
197	RT	Transmission Outage PG&E	PG&E	Humboldt	15-Oct-11	44	No	INC	2	18:19	19:06
198	RT	Transmission Outage PG&E	PG&E	Humboldt	16-Oct-11	32- 63	No	INC	8	15:57	22:07
199	RT	Transmission Outage PG&E	PG&E	Humboldt	17-Oct-11	15- 48	No	INC	16	7:44	22:44
200	RT	Transmission Outage PG&E	PG&E	Humboldt	19-Oct-11	15- 74	No	INC	17	7:10	23:58
201	RT	Transmission Outage PG&E	PG&E	Humboldt	20-Oct-11	14- 73	No	INC	17	7:47	23:59
202	RT	Transmission Outage PG&E	PG&E	Humboldt	21-Oct-11	16- 30	No	INC	20	0:00	19:45
203	RT	Transmission Outage PG&E	PG&E	Humboldt	22-Oct-11	29- 48	No	INC	15	8:58	22:59
204	RT	Transmission Outage PG&E	PG&E	Humboldt	23-Oct-11	32- 48	No	INC	19	0:00	18:59
205	RT	Transmission Outage PG&E	PG&E	Humboldt	24-Oct-11	16- 96	No	INC	19	5:19	23:29
206	RT	Transmission Outage PG&E	PG&E	Humboldt	25-Oct-11	16- 97	Yes	INC	22	2:00	23:59
207	RT	Transmission Outage PG&E	PG&E	Humboldt	26-Oct-11	64- 93	No	INC	24	0:00	23:59
208	RT	Transmission Outage PG&E	PG&E	Humboldt	27-Oct-11	64- 96	No	INC	24	0:00	23:59
209	RT	Transmission Outage PG&E	PG&E	Humboldt	28-Oct-11	48- 80	No	INC	24	0:00	23:59
210	RT	Transmission Outage PG&E	PG&E	Humboldt	29-Oct-11	64- 96	No	INC	24	0:00	23:59
211	RT	Transmission Outage PG&E	PG&E	Humboldt	30-Oct-11	48- 64	No	INC	24	0:00	23:58
212	RT	Transmission Outage PG&E	PG&E	Humboldt	31-Oct-11	16- 64	No	INC	24	0:35	23:59
213	RT	Transmission Outage PG&E	PG&E	N/A	4-Oct-11	18	No	DEC	2	18:06	19:59
214	RT	Transmission Outage PG&E	PG&E	N/A	10-Oct-11	6- 28	Yes	DEC	13	11:45	23:59
215	RT	Transmission Outage PG&E	PG&E	N/A	10-Oct-11	0	Yes	INC	16	8:23	23:59
216	RT	Transmission Outage PG&E	PG&E	N/A	11-Oct-11	6- 33	No	DEC	24	0:45	23:59
217	RT	Transmission Outage PG&E	PG&E	N/A	11-Oct-11	0	No	INC	24	0:00	23:59
218	RT	Transmission Outage PG&E	PG&E	N/A	13-Oct-11	2- 10	Yes	DEC	10	8:35	17:04
219	RT	Transmission Outage PG&E	PG&E	N/A	13-Oct-11	12	Yes	INC	11	8:35	18:59
220	RT	Transmission Outage PG&E	PG&E	N/A	14-Oct-11	35- 68	No	DEC	14	8:32	21:40

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
221	RT	Transmission Outage PG&E	PG&E	N/A	14-Oct-11	4	Yes	INC	14	8:38	21:40
222	RT	Transmission Outage PG&E	PG&E	N/A	16-Oct-11	10	Yes	DEC	7	14:20	20:59
223	RT	Transmission Outage PG&E	PG&E	N/A	18-Oct-11	10	Yes	INC	1	5:49	5:59
224	RT	Transmission Outage PG&E	PG&E	N/A	21-Oct-11	1- 9	Yes	DEC	10	9:45	18:59
225	RT	Transmission Outage PG&E	PG&E	N/A	22-Oct-11	2- 26	No	DEC	23	0:00	22:59
226	RT	Transmission Outage PG&E	PG&E	N/A	22-Oct-11	1	No	INC	2	0:45	1:04
227	RT	Transmission Outage PG&E	PG&E	N/A	23-Oct-11	8- 20	No	DEC	20	3:19	22:59
228	RT	Transmission Outage PG&E	PG&E	N/A	23-Oct-11	17	No	INC	12	10:51	21:29
229	RT	Transmission Outage PG&E	PG&E	N/A	24-Oct-11	5- 36	No	DEC	15	9:13	23:59
230	RT	Transmission Outage PG&E	PG&E	N/A	24-Oct-11	11	No	INC	1	23:00	23:59
231	RT	Transmission Outage PG&E	PG&E	N/A	25-Oct-11	5- 21	No	DEC	24	0:00	23:59
232	RT	Transmission Outage PG&E	PG&E	N/A	25-Oct-11	6- 27	No	INC	24	0:30	23:59
233	RT	Transmission Outage PG&E	PG&E	N/A	26-Oct-11	4	No	DEC	5	16:30	20:59
234	RT	Transmission Outage PG&E	PG&E	N/A	26-Oct-11	8- 17	No	INC	9	12:00	20:59
235	RT	Transmission Outage PG&E	PG&E	N/A	27-Oct-11	4- 5	Yes	DEC	2	22:56	23:59
236	RT	Transmission Outage PG&E	PG&E	N/A	27-Oct-11	9- 35	Yes	INC	11	11:32	21:59
237	RT	Transmission Outage PG&E	PG&E	N/A	28-Oct-11	2- 20	No	DEC	11	13:05	23:59
238	RT	Transmission Outage PG&E	PG&E	N/A	28-Oct-11	13- 27	No	INC	14	0:00	13:04
239	RT	Transmission Outage PG&E	PG&E	N/A	29-Oct-11	2- 22	No	DEC	24	0:00	23:59
240	RT	Transmission Outage PG&E	PG&E	N/A	29-Oct-11	3- 12	No	INC	14	0:00	13:59
241	RT	Transmission Outage PG&E	PG&E	N/A	30-Oct-11	1- 25	Yes	DEC	12	12:45	23:59
242	RT	Transmission Outage PG&E	PG&E	N/A	30-Oct-11	0- 26	Yes	INC	15	3:00	17:59
243	RT	Transmission Outage PG&E	PG&E	N/A	31-Oct-11	10- 21	No	DEC	15	0:00	14:59
244	RT	Transmission Outage PG&E	PG&E	N/A	31-Oct-11	19	No	INC	10	0:00	9:59
245	RT	Transmission Outage PG&E	PG&E	Sierra	10-Oct-11	2- 57	Yes	DEC	8	12:40	19:44
246	RT	Transmission Outage PG&E	PG&E	Sierra	10-Oct-11	14	Yes	INC	8	12:40	19:44
247	RT	Transmission Outage PG&E	PG&E	Sierra	13-Oct-11	6- 14	Yes	DEC	13	9:15	21:59
248	RT	Transmission Outage PG&E	PG&E	Sierra	13-Oct-11	1- 13	Yes	INC	13	9:15	21:59
249	RT	Transmission Outage PG&E	PG&E	Sierra	14-Oct-11	5	Yes	DEC	5	9:10	13:47

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
250	RT	Transmission Outage PG&E	PG&E	Sierra	14-Oct-11	22- 49	Yes	INC	5	9:10	13:47
251	RT	Transmission Outage PG&E	PG&E	Sierra	24-Oct-11	40- 52	No	DEC	3	19:18	21:09
252	RT	Transmission Outage PG&E	PG&E	Sierra	24-Oct-11	29	No	INC	2	20:13	21:09
253	RT	Transmission Outage PG&E	PG&E	Sierra	25-Oct-11	45- 53	No	DEC	2	19:00	20:59
254	RT	Transmission Outage PG&E	PG&E	Sierra	27-Oct-11	46- 145	Yes	INC	14	3:50	16:59
255	RT	Transmission Outage PG&E	PG&E	Sierra	28-Oct-11	20- 27	Yes	INC	2	8:15	9:59
256	RT	Transmission Outage PG&E	PG&E	Sierra	29-Oct-11	20- 35	Yes	INC	24	0:00	23:59
257	RT	Transmission Outage PG&E	PG&E	Sierra	30-Oct-11	35- 125	Yes	INC	24	0:00	23:59
258	RT	Transmission Outage PG&E	PG&E	Sierra	31-Oct-11	30- 45	Yes	INC	18	0:00	17:59
259	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	11-Oct-11	126- 296	No	INC	2	22:00	23:59
260	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	12-Oct-11	100	Yes	DEC	2	8:20	9:34
261	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	12-Oct-11	436	Yes	INC	9	1:00	9:59
262	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	19-Oct-11	20- 160	Yes	INC	7	1:00	7:59
263	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	20-Oct-11	20- 220	No	INC	19	5:45	23:59
264	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	21-Oct-11	110- 460	Yes	INC	2	6:00	7:59
265	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	22-Oct-11	170	Yes	INC	1	23:46	23:59
266	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	23-Oct-11	200- 465	Yes	INC	11	0:00	10:14
267	RT	Transmission Outage SCE	SCE	LA Basin	26-Oct-11	10	Yes	INC	24	0:00	23:59
268	RT	Transmission Outage SCE	SCE	N/A	20-Oct-11	17	Yes	INC	2	22:10	23:59
269	RT	Transmission Outage SCE	SDG&E	San Diego	26-Oct-11	155	Yes	INC	24	0:00	23:59
270	RT	Transmission Outage SDG&E	N/A	N/A	16-Oct-11	485	Yes	INC	3	10:30	12:24
271	RT	Transmission Outage SDG&E	SDG&E	N/A	16-Oct-11	460	No	INC	2	11:42	12:14
272	RT	Transmission Outage SDG&E	SDG&E	San Diego	5-Oct-11	15	Yes	INC	3	13:25	15:59

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
273	RT	Transmission Outage SDG&E	SDG&E	San Diego	7-Oct-11	18	Yes	INC	2	12:01	13:14
274	RT	Unit Testing	N/A	N/A	5-Oct-11	22	No	DEC	1	10:23	10:37
275	RT	Unit Testing	N/A	N/A	5-Oct-11	20	Yes	INC	6	9:35	14:59
276	RT	Unit Testing	N/A	N/A	13-Oct-11	2	No	INC	1	13:15	13:22
277	RT	Unit Testing	SDG&E	San Diego	18-Oct-11	82- 277	No	DEC	2	13:33	14:18

## Appendix A: Explanation by Example

All examples listed below are based on fictitious data.

### Example 1: Exceptional Dispatch Instructions Prior to DAM

In this fictitious example the ISO issued an exceptional dispatch instruction for resource A to be committed at its physical minimum (Pmin) of 50 MW from hours ending 5 through 10 for a generation procedure G-219. Similarly, the ISO issued additional instructions to resources B and C for the same reason as shown in Table 2. Generally exceptional dispatches prior to the day-ahead market are commitments to minimum load. In this case the dispatch levels are all at minimum load.

**Table 2: Instructions Prior to Day-Ahead Market**

Date	Market	Resource	Location	Local Reliability Area (LRA)	Begin Time	End Time	Dispatch Level (MW)	Reason
01-Jul-09	DA	A	SCE	LA BASIN	05:00	10:00	50	G-219
01-Jul-09	DA	B	SCE	LA BASIN	08:00	20:00	30	G-219
01-Jul-09	DA	C	SCE	LA BASIN	09:00	23:00	20	G-219.

This data is summarized as shown in Table 3, which is the prescribed format specified in the FERC order on September 02, 2009. This summary classifies the data by reason, resource location, local reliability area, and trade date. The MW column in Table 3 is the range of MW; in this case the minimum instruction MW is 20 MW for resource C which occurs from hours ending 21 through 23. The maximum instruction occurs in hour ending 10. In this hour resource A is committed at 50 MW, resource B is committed at 30 MW and resource C is committed at 20 MW. This adds up to 100 MW. Thus the MW column shows the minimum and maximum of the overlaps of all the exceptional dispatch instructions. The Commitment column shows whether a resource was committed between the begin time and end time. Commitments are broken out separately from energy dispatches. In the day-ahead, however the exceptional dispatches are nearly always just commitments, as in this example. The Begin Time column shows hour ending 5 as this was the hour ending for first dispatch of the day, and the End Time column shows hour ending 23, as this was the hour with last dispatch. It is also possible that there might be some hours between the begin time and the end time where there might not be exceptional dispatch instructions for the given reason, meaning that the range between the begin time and end time can include null hours with no dispatch.

**Table 3: FERC Summary of Instructions Prior to DAM**

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time
1	DA	G-219	SCE	LA Basin	1-Jul-09	20-100	Yes	N/A	19	05:00	23:00

**Example 2: Incremental Exceptional Dispatch Instructions in RTM**

In this fictitious example the ISO issued an exceptional dispatch instruction to resource A to be committed at its Pmin of 30 MW from hours ending 7 through 11 after completion of the day-ahead market for the transmission procedure T-138. This resource did not have a day-ahead award in those hours. The ISO issued another exceptional dispatch instruction to resource B, to be dispatched at 40 MW from hours ending 8 through 9 in real-time for the transmission procedure T-138. This resource had a day-ahead schedule of 20 MW from the day-ahead market, which implies that this exceptional dispatch instruction was an incremental instruction and the exceptional dispatch MW was 20 MW. Similarly, the details of exceptional dispatch (ED) instructions for resource C are shown in Table 4.

**Table 4: Incremental Exceptional Dispatch Instructions in RTM**

Date	Market	Resource	Location	Local Reliability Area (LRA)	Begin Time	End Time	Dispatch Level (MW)	Day-Ahead Award (MW)	Commitment	INC/DEC	ED (MW)	Reason
01-Jul-09	RT	A	PG&E	Humboldt	06:00	11:00	30	0	Yes	INC	30	t-138
01-Jul-09	RT	B	PG&E	Humboldt	07:00	09:00	40	20	No	INC	20	t-138
01-Jul-09	RT	C	PG&E	Humboldt	12:00	15:00	50	50	No	INC	0	t-138
01-Jul-09	RT	C	PG&E	Humboldt	16:00	20:00	50	40	No	INC	10	t-138

This data is summarized as shown in Table 5 and is classified by reason, resource location, local reliability area, and trade date. The MW column in Table 5 is the range of MW; in this case the minimum instruction MW is 0 MW for resource C which occurs from hours ending 13 through 15. The maximum instruction occurs in hours ending 8 & 9, as during these two hours both resources A and B have an ED MW of 30MW and 20MW, respectively. This adds up to 50 MW. Thus the MW column shows the minimum and maximum of the overlaps of all the exceptional dispatch instructions. The Commitment column shows whether a resource was committed between the begin time and end time. This column shows a commitment if there was a single commitment in the entire interval of exceptional dispatch. The Begin Time column shows the time of the first dispatch of the day. This is a time not a range. Similarly the End Time column shows a time and not a range. Exceptional dispatches occurred between these two times. Since there was a commitment between the begin time and end time then the Commitment column displays yes for the summary. Similarly, the INC/DEC column shows an INC as there was an incremental dispatch between the begin time and end time. As mentioned in the previous example it is possible that there might be some hours between the begin time and end time where there were no exceptional dispatch instructions for the given reason.

**Table 5: FERC Summary of ED Instructions in RTM**

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time
1	RT	T-138	PG&E	Humboldt	1-Jul-09	0-50	Yes	INC	15	06:00	20:00

**Example 3: Decremental Exceptional Dispatch Instructions in RTM**

This example highlights decremental exceptional dispatch instructions in the real-time market. In this fictitious example the ISO issued an exceptional dispatch instruction to resource A to be committed at its Pmin of 20 MW from hours ending 15 through 20 after completion of the day-ahead market for the transmission procedure T-129. The ISO issued additional exceptional dispatch instructions for resources B and C; details of those instructions are shown in Table 6.

**Table 6: Decremental Exceptional Dispatch Instructions in RTM**

Date	Market Type	Resource	Location	Local Reliability Area (LRA)	Begin Time	End Time	Dispatch Level (MW)	Day-Ahead Award (MW)	Commitment	INC/DEC	ED (MW)	Reason
01-Jul-09	RT	A	PG&E	Fresno	15:00	20:00	20	0	Yes	INC	20	t-129
01-Jul-09	RT	B	PG&E	Fresno	07:00	09:00	40	60	No	DEC	20	t-129
01-Jul-09	RT	C	PG&E	Fresno	10:00	14:00	40	50	No	DEC	10	t-129

This data is summarized according to FERC convention as shown in Table 7. This summary classifies the data by reason, resource location, local reliability area, and trade date. Please note that inc and dec are broken out separately. The inc entry is self-explanatory and similar to the previous example. Regarding the dec entry the MW column is the range of MW; in this case the minimum dec instruction is 10 MW (actually -10MW as it is a dec) for resource C which occurs from hours ending 10 through 14. The maximum instruction occurs from hours ending 7 through 9, when resource B was issued a dec instruction of 20 MW. Thus the MW column shows the minimum and maximum of the overlaps of all the exceptional dispatch instructions. The Commitment column shows whether a resource was committed between the begin time and end time.

**Table 7: FERC Summary of Decremental ED Instructions in RTM**

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time
1	RT	T-129	PG&E	Fresno	1-Jul-09	20	Yes	INC	6	15:00	20:00
1	RT	T-129	PG&E	Fresno	1-Jul-09	10-20	Yes	DEC	8	07:00	14:00

## CERTIFICATE OF SERVICE

I hereby certify that I have served the foregoing document upon the parties listed on the official service list in the captioned proceedings, in accordance with the requirements of Rule 2010 of the Commission's Rules of Practice and Procedure (18 C.F.R. § 385. 2010).

Dated at Folsom, California this 15<sup>th</sup> day of December, 2011.

*Anna Pascuzzo*  
Anna Pascuzzo