September 14, 2012

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-___
July 2012 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 July 2012.

Respectfully submitted,

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Exceptional Dispatch Report

Table 1: July 2012

ISO Market Analysis and Development September 14, 2012

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Introduction

This report is filed pursuant to FERC's September 2, 2009 and May 4, 2010 orders in ER08-1178. These orders require two monthly Exceptional Dispatch reports—one issued on the 15th of each month and one issued on the 30th of each month. This report provides data on the frequency and reasons for Exceptional Dispatches issued in July 2012.

The Nature of Exceptional Dispatch

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

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

Many of the exceptional dispatches listed below in Table 1, were to satisfy either a local area or system reliability requirements, and are classified into local generation requirements, transmission management requirements, non-modeled transmission outages or other requirements, such as ramp requirements and intertie emergency assistance. All reason codes starting with "G" refer to an ISO 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[2].

[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 2330 (formerly M-402).

[2] A list of all of the ISO's publicly available Operating Procedures are available at the following link: **http://www.caiso.com/thegrid/operations/opsdoc/index.html**

In July 2012, the ISO issued exceptional dispatches for the following local area generation requirement: (1) 7630, SCE area generation requirements. Exceptional dispatch instructions were also issued for the following transmission management requirements: (1) 6510, Southern California import transmission (SCIT) nomogram; (2) 6610, Lugo-Victorville 500 kV Line and Sylmar Transformer Banks Operation; (3) 7110, transmission facilities in Humboldt area; (4) 7230, transmission facilities in Palermo Rio-Oso area; (5) 7320, transmission facilities in Bay Area; (6) 7430, transmission facilities in Fresno area; (7) 7720, Julian Hinds-Mirage 230 kV line overload mitigation & Eagle Mountain bank emergency mtigation; (8) 8710, Hoodoo Wash-N.Gila 500 kV line flow mitigation; and (9) other transmission outages in PG&E, SCE and SDG&E area.

The following additional reasons for exceptional dispatch instructions in July 2012 were not related to specific generation or transmission operating procedures: (1) Software Limitation, when an exceptional dispatch instruction was used to bridge schedules across days for resources with a minimum down time of 24 hours, as the ISO software does not handle multi day commitment. For instance, a resource has a day-ahead schedule from 0600 till 2300, and then is shut down in 2400. If this resource had a minimum down time of 24 hours and it is required the following day, then the ISO issues an exceptional dispatch to commit this resource in 2400 so that it can be dispatched economically in the following day. Software limitation reason was also used for exceptional dispatches to manually issue shut down instructions to a resource because of a temporary Automatic Dispatch System ("ADS") failure, or similar issues; and (2) 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 inJuly, which are self explanatory.

As mentioned earlier, the data shown in Table 1 is based on a template specified in the September 2009 order[3]. 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

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

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 310 exceptional dispatches in July 2012, increasing by 61 as compared to the August 15, 2012 report for June 2012. Exceptional dispatches issued for the following reasons accounted for approximately 51 percent of the total exceptional dispatches during the reporting period: Transmission Outage PG&E, Software Limitation, SCE SOB 204 (SCE System Operating Bulletin No. 204), 6510, and 7430.

Table 1: Exceptional Dispatches in July 2012

California Independent System Operator Corporation
Exceptional Dispatch Report
September 14, 2012

Chart 1: Table of Exceptional Dispatches for Period 01/July/2012 – 31/July/2012

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
1	RT	6510	SCE	Big Creek-Ventura	20-Jul-12	45	No	DEC	2	20:20	21:59
2	RT	6510	SCE	Big Creek-Ventura	20-Jul-12	30	No	INC	3	18:40	20:19
3	RT	6510	SCE	LA Basin	9-Jul-12	360	Yes	INC	11	9:00	19:59
4	RT	6510	SCE	LA Basin	11-Jul-12	190	Yes	INC	12	7:50	18:59
5	RT	6510	SCE	LA Basin	16-Jul-12	45	No	INC	4	16:20	19:59
6	RT	6510	SCE	LA Basin	18-Jul-12	193- 385	No	INC	10	10:45	19:59
7	RT	6510	SCE	LA Basin	19-Jul-12	97- 468	Yes	DEC	15	7:20	21:59
8	RT	6510	SCE	LA Basin	19-Jul-12	243- 480	Yes	INC	15	7:20	21:59
9	RT	6510	SCE	LA Basin	20-Jul-12	88	No	DEC	11	11:50	21:59
10	RT	6510	SCE	LA Basin	20-Jul-12	25- 431	Yes	INC	19	5:00	23:59
11	RT	6510	SCE	LA Basin	21-Jul-12	120- 208	No	DEC	9	12:15	20:59
12	RT	6510	SCE	LA Basin	21-Jul-12	74- 340	No	INC	9	12:15	20:59
13	RT	6510	SCE	LA Basin	22-Jul-12	176	No	DEC	11	11:35	21:59
14	RT	6510	SCE	LA Basin	22-Jul-12	148- 340	No	INC	11	11:35	21:59
15	RT	6510	SCE	LA Basin	25-Jul-12	88- 146	No	DEC	14	8:40	21:59
16	RT	6510	SCE	LA Basin	25-Jul-12	170- 340	No	INC	14	8:40	21:59
17	RT	6510	SCE	LA Basin	30-Jul-12	340	No	INC	7	12:25	18:59
18	RT	6510	SCE	LA Basin	31-Jul-12	340	No	INC	10	9:10	18:59
19	RT	6510	SDG&E	San Diego	16-Jul-12	131	No	INC	5	16:45	20:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
20	RT	6510	SDG&E	San Diego	19-Jul-12	68	No	INC	15	7:20	21:59
21	RT	6510	SDG&E	San Diego	20-Jul-12	68	No	INC	10	12:00	21:59
22	RT	6510	SDG&E	San Diego	21-Jul-12	60	Yes	DEC	1	23:53	23:58
23	RT	6510	SDG&E	San Diego	21-Jul-12	69- 109	No	INC	4	20:05	23:59
24	RT	6510	SDG&E	San Diego	22-Jul-12	60	Yes	INC	24	0:00	23:59
25	RT	6510	SDG&E	San Diego	31-Jul-12	68	No	INC	8	14:45	21:59
26	RT	6610	SCE	Big Creek-Ventura	31-Jul-12	87	No	DEC	1	12:41	12:45
27	RT	6610	SCE	N/A	31-Jul-12	55	No	INC	1	12:36	12:46
28	RT	7110	PG&E	Humboldt	16-Jul-12	32	No	INC	3	14:26	16:59
29	RT	7110	PG&E	Humboldt	17-Jul-12	32	No	INC	2	14:26	15:59
30	RT	7110	PG&E	Humboldt	18-Jul-12	32	No	INC	9	8:15	16:59
31	RT	7110	PG&E	Humboldt	19-Jul-12	32- 64	No	INC	18	6:20	23:59
32	RT	7230	PG&E	Sierra	1-Jul-12	20	Yes	INC	4	13:45	16:59
33	RT	7230	PG&E	Sierra	2-Jul-12	26	No	DEC	5	17:17	21:57
34	RT	7230	PG&E	Sierra	4-Jul-12	20- 40	No	INC	1	14:20	14:59
35	RT	7230	PG&E	Sierra	6-Jul-12	47- 108	No	DEC	5	17:45	21:59
36	RT	7230	PG&E	Sierra	7-Jul-12	22- 43	No	DEC	4	18:45	21:59
37	RT	7230	PG&E	Sierra	10-Jul-12	41- 61	No	DEC	1	16:26	16:52
38	RT	7230	PG&E	Sierra	10-Jul-12	0	No	INC	1	16:26	16:51
39	RT	7230	PG&E	Sierra	11-Jul-12	70	No	DEC	3	13:39	15:09
40	RT	7230	PG&E	Sierra	12-Jul-12	23- 108	No	DEC	7	16:52	22:50
41	RT	7230	PG&E	Sierra	12-Jul-12	26- 62	No	INC	6	17:04	22:50
42	RT	7230	PG&E	Sierra	13-Jul-12	11- 49	Yes	DEC	10	12:10	21:59
43	RT	7230	PG&E	Sierra	13-Jul-12	2- 35	Yes	INC	10	12:10	21:59
44	RT	7230	PG&E	Sierra	15-Jul-12	20	Yes	INC	1	22:05	22:59
45	RT	7230	PG&E	Sierra	22-Jul-12	1- 24	Yes	DEC	9	15:10	23:59
46	RT	7230	PG&E	Sierra	22-Jul-12	20- 119	Yes	INC	11	13:30	23:59
47	RT	7230	PG&E	Sierra	25-Jul-12	16	Yes	DEC	2	20:10	21:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
48	RT	7230	PG&E	Sierra	25-Jul-12	20- 30	Yes	INC	2	20:10	21:59
49	RT	7230	PG&E	Sierra	31-Jul-12	8	Yes	DEC	2	16:52	17:59
50	RT	7230	PG&E	Sierra	31-Jul-12	11- 46	Yes	INC	4	15:51	18:59
51	RT	7320	PG&E	Bay Area	21-Jul-12	19	No	INC	2	11:00	12:14
52	RT	7320	PG&E	Bay Area	27-Jul-12	19	No	INC	3	20:36	22:18
53	RT	7430	PG&E	Fresno	1-Jul-12	0	No	INC	6	11:40	16:59
54	RT	7430	PG&E	Fresno	5-Jul-12	61- 65	No	INC	5	0:35	4:59
55	RT	7430	PG&E	Fresno	9-Jul-12	100	Yes	DEC	1	21:35	21:59
56	RT	7430	PG&E	Fresno	9-Jul-12	20- 240	Yes	INC	2	21:45	22:59
57	RT	7430	PG&E	Fresno	10-Jul-12	30	No	DEC	4	18:45	21:59
58	RT	7430	PG&E	Fresno	11-Jul-12	1- 396	No	DEC	8	14:16	21:59
59	RT	7430	PG&E	Fresno	11-Jul-12	20- 260	No	INC	3	15:35	17:14
60	RT	7430	PG&E	Fresno	12-Jul-12	5- 55	Yes	DEC	7	14:05	20:59
61	RT	7430	PG&E	Fresno	12-Jul-12	130- 409	Yes	INC	8	14:27	21:39
62	RT	7430	PG&E	Fresno	13-Jul-12	5- 200	Yes	DEC	6	16:20	21:59
63	RT	7430	PG&E	Fresno	13-Jul-12	175	Yes	INC	5	17:20	21:59
64	RT	7430	PG&E	Fresno	14-Jul-12	10- 190	Yes	DEC	6	16:50	21:59
65	RT	7430	PG&E	Fresno	14-Jul-12	150	Yes	INC	5	17:05	21:59
66	RT	7430	PG&E	Fresno	16-Jul-12	25	Yes	DEC	1	20:30	20:48
67	RT	7430	PG&E	Fresno	16-Jul-12	180	Yes	INC	6	17:35	22:59
68	RT	7430	PG&E	Fresno	17-Jul-12	3	No	DEC	15	6:35	20:59
69	RT	7430	PG&E	Fresno	18-Jul-12	2	No	DEC	20	1:10	20:59
70	RT	7430	PG&E	Fresno	18-Jul-12	48	No	INC	20	1:10	20:59
71	RT	7430	PG&E	Fresno	19-Jul-12	88	Yes	INC	2	22:14	23:54
72	RT	7430	PG&E	Fresno	20-Jul-12	83- 120	Yes	INC	4	20:40	23:59
73	RT	7430	PG&E	Fresno	21-Jul-12	7- 137	Yes	DEC	15	9:55	23:59
74	RT	7430	PG&E	Fresno	21-Jul-12	83- 170	Yes	INC	15	9:25	23:59
75	RT	7430	PG&E	Fresno	22-Jul-12	8- 47	Yes	DEC	4	11:49	14:59
76	RT	7430	PG&E	Fresno	22-Jul-12	10- 83	Yes	INC	13	11:49	23:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
77	RT	7430	PG&E	Fresno	23-Jul-12	140- 215	Yes	DEC	1	21:35	21:59
78	RT	7430	PG&E	Fresno	23-Jul-12	83- 175	Yes	INC	24	0:00	23:39
79	RT	7430	PG&E	Fresno	24-Jul-12	83- 175	Yes	INC	4	20:00	23:14
80	RT	7430	PG&E	Fresno	25-Jul-12	5- 35	Yes	DEC	17	7:35	23:59
81	RT	7430	PG&E	Fresno	25-Jul-12	100- 175	Yes	INC	3	20:45	22:59
82	RT	7430	PG&E	Fresno	26-Jul-12	30- 55	Yes	DEC	4	16:15	19:59
83	RT	7430	PG&E	Fresno	26-Jul-12	9- 200	Yes	INC	13	10:50	22:59
84	RT	7430	PG&E	Fresno	27-Jul-12	85- 175	Yes	INC	4	19:14	22:29
85	RT	7430	PG&E	Fresno	28-Jul-12	2	No	DEC	15	7:45	21:59
86	RT	7430	PG&E	Fresno	29-Jul-12	2- 12	No	DEC	17	7:25	23:59
87	RT	7430	PG&E	Fresno	30-Jul-12	4- 14	No	DEC	15	0:00	14:59
88	RT	7430	PG&E	Fresno	31-Jul-12	109- 128	Yes	INC	4	20:27	23:59
89	RT	7430	PG&E	Sierra	15-Jul-12	1- 27	Yes	DEC	7	16:25	22:59
90	RT	7430	PG&E	Sierra	15-Jul-12	45	Yes	INC	7	16:25	22:59
91	RT	7430	SCE	Big Creek-Ventura	23-Jul-12	106	No	DEC	1	11:10	11:59
92	RT	7630	SCE	LA Basin	16-Jul-12	97- 161	Yes	DEC	6	14:00	19:59
93	RT	7630	SCE	LA Basin	16-Jul-12	0	Yes	INC	6	14:00	19:59
94	RT	7630	SCE	LA Basin	20-Jul-12	0	Yes	DEC	11	8:45	18:59
95	RT	7630	SCE	LA Basin	20-Jul-12	47	Yes	INC	11	8:45	18:59
96	RT	7720	SCE	N/A	19-Jul-12	1- 73	No	DEC	7	13:45	19:59
97	RT	7720	SCE	N/A	19-Jul-12	65	No	INC	2	13:45	14:59
98	RT	8710	SDG&E	N/A	17-Jul-12	50	Yes	INC	2	10:55	11:59
99	RT	8710	SDG&E	San Diego	3-Jul-12	150	No	INC	3	12:11	14:59
100	RT	8710	SDG&E	San Diego	14-Jul-12	20	No	INC	24	0:00	23:59
101	RT	8710	SDG&E	San Diego	15-Jul-12	40- 88	No	INC	24	0:00	23:59
102	RT	8710	SDG&E	San Diego	16-Jul-12	40	No	INC	24	0:00	23:59
103	RT	8710	SDG&E	San Diego	17-Jul-12	51	No	INC	7	15:45	21:59
104	RT	8710	SDG&E	San Diego	18-Jul-12	143	Yes	INC	1	22:10	22:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
105	RT	8710	SDG&E	San Diego	19-Jul-12	20	No	INC	17	7:00	23:59
106	RT	Bridging Schedules	PG&E	N/A	31-Jul-12	52	No	INC	4	20:00	23:59
107	RT	Bridging Schedules	SCE	LA Basin	11-Jul-12	50	Yes	INC	4	20:00	23:59
108	RT	Bridging Schedules	SCE	LA Basin	12-Jul-12	50	Yes	INC	4	0:00	3:59
109	RT	Bridging Schedules	SDG&E	San Diego	14-Jul-12	20	No	INC	7	17:00	23:59
110	RT	Bridging Schedules	SDG&E	San Diego	21-Jul-12	20- 40	No	INC	2	22:00	23:59
111	RT	COI mitigation	Intertie	N/A	19-Jul-12	100	No	DEC	1	0:10	0:59
112	RT	Contingency	Intertie	N/A	24-Jul-12	203	No	INC	1	0:04	0:24
113	RT	Contingency	PG&E	Fresno	24-Jul-12	148	No	INC	1	0:07	0:16
114	RT	Contingency	PG&E	Humboldt	5-Jul-12	15	No	INC	2	17:18	18:09
115	RT	Contingency	PG&E	N/A	24-Jul-12	485	No	INC	1	0:10	0:29
116	RT	Contingency	PG&E	Sierra	24-Jul-12	199	No	INC	1	0:09	0:16
117	RT	Contingency	SCE	Big Creek-Ventura	24-Jul-12	55	No	DEC	1	0:08	0:19
118	RT	Contingency	SCE	N/A	4-Jul-12	96	No	INC	1	0:20	0:34
119	RT	Contingency	SDG&E	San Diego	23-Jul-12	40- 142	No	DEC	3	13:10	15:59
120	RT	Contingency	SDG&E	San Diego	23-Jul-12	200	No	INC	1	13:10	13:59
121	RT	Contingency	SDG&E	San Diego	24-Jul-12	500	No	INC	1	0:06	0:18
122	RT	Fire	SCE	LA Basin	7-Jul-12	97- 161	No	DEC	5	15:45	19:59
123	RT	Fire	SCE	LA Basin	7-Jul-12	215	No	INC	5	15:35	19:59
124	RT	Generation Outage	SCE	LA Basin	13-Jul-12	88- 320	No	DEC	13	11:00	23:59
125	RT	Generation Outage	SCE	LA Basin	13-Jul-12	0	No	INC	13	11:00	23:59
126	RT	Intertie Emergency Assistance	Intertie	N/A	5-Jul-12	50	Yes	INC	1	12:25	12:59
127	RT	Intertie Emergency Assistance	Intertie	N/A	29-Jul-12	90	No	INC	1	13:20	13:59
128	RT	Load Forecast Uncertainty	SCE	LA Basin	9-Jul-12	20- 70	Yes	INC	22	2:00	23:59
129	RT	Load Forecast Uncertainty	SCE	LA Basin	10-Jul-12	96	No	DEC	1	0:00	0:59
130	RT	Load Forecast Uncertainty	SCE	LA Basin	10-Jul-12	70- 80	Yes	INC	24	0:00	23:59
131	RT	Load Forecast Uncertainty	SCE	LA Basin	12-Jul-12	10- 30	Yes	INC	24	0:00	23:59
132	RT	Market Disruption	Intertie	N/A	3-Jul-12	137	Yes	INC	1	3:00	3:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
133	RT	Market Disruption	Intertie	N/A	5-Jul-12	100	No	DEC	1	1:00	1:59
134	RT	Market Disruption	Intertie	N/A	5-Jul-12	100	Yes	INC	1	1:00	1:59
135	RT	Market Disruption	Intertie	N/A	19-Jul-12	100	No	INC	1	3:00	3:59
136	RT	Over Generation	PG&E	Bay Area	3-Jul-12	579	No	INC	7	2:41	8:14
137	RT	Over Generation	PG&E	Fresno	12-Jul-12	167	No	DEC	1	21:02	21:08
138	RT	Over Generation	PG&E	Fresno	12-Jul-12	83	Yes	INC	1	21:02	21:08
139	RT	Path 15	SCE	Big Creek-Ventura	23-Jul-12	16	No	DEC	1	13:15	13:59
140	RT	Path 26	SCE	LA Basin	13-Jul-12	25	No	INC	13	6:00	18:59
141	RT	Path 66	Intertie	N/A	24-Jul-12	19- 200	No	DEC	3	0:06	2:05
142	RT	Pumped-Storage	PG&E	Fresno	1-Jul-12	305	No	DEC	1	8:00	8:14
143	RT	Ramp Rate	SCE	Big Creek-Ventura	11-Jul-12	400	Yes	INC	9	11:15	19:59
144	RT	Ramp Rate	SCE	LA Basin	9-Jul-12	17- 249	Yes	DEC	10	11:00	20:59
145	RT	Ramp Rate	SCE	LA Basin	9-Jul-12	71	Yes	INC	10	11:00	20:59
146	RT	Ramp Rate	SCE	LA Basin	10-Jul-12	142	Yes	INC	9	11:00	19:59
147	RT	Ramp Rate	SDG&E	San Diego	2-Jul-12	63	No	INC	14	10:22	23:59
148	RT	Ramp Rate	SDG&E	San Diego	3-Jul-12	63	No	INC	17	5:25	21:59
149	RT	Ramp Rate	SDG&E	San Diego	4-Jul-12	63	No	INC	11	10:10	20:59
150	RT	Ramp Rate	SDG&E	San Diego	5-Jul-12	63	No	INC	10	11:15	20:59
151	RT	Ramp Rate	SDG&E	San Diego	9-Jul-12	68	No	INC	13	11:55	23:59
152	RT	Ramp Rate	SDG&E	San Diego	10-Jul-12	68- 131	No	INC	22	0:00	21:59
153	RT	Ramp Rate	SDG&E	San Diego	12-Jul-12	131	No	INC	13	7:15	19:59
154	RT	Ramp Rate	SDG&E	San Diego	14-Jul-12	131	No	INC	4	18:15	21:59
155	RT	Ramp Rate	SDG&E	San Diego	15-Jul-12	63	No	INC	5	18:40	22:59
156	RT	Reverse Commitment Instruction	SDG&E	San Diego	9-Jul-12	0	Yes	INC	3	9:47	11:30
157	RT	Risk Predictor	SCE	Big Creek-Ventura	11-Jul-12	50	Yes	INC	14	10:00	23:59
158	RT	Risk Predictor	SCE	LA Basin	11-Jul-12	20- 45	Yes	INC	24	0:00	23:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
159	RT	SCE SOB 204	SCE	Big Creek-Ventura	3-Jul-12	56- 146	No	DEC	3	19:20	21:59
160	RT	SCE SOB 204	SCE	Big Creek-Ventura	9-Jul-12	100	No	DEC	4	19:30	22:59
161	RT	SCE SOB 204	SCE	Big Creek-Ventura	9-Jul-12	0	No	INC	3	19:45	21:59
162	RT	SCE SOB 204	SCE	Big Creek-Ventura	10-Jul-12	50- 125	No	DEC	3	16:15	18:59
163	RT	SCE SOB 204	SCE	Big Creek-Ventura	10-Jul-12	10- 200	No	INC	7	15:20	21:59
164	RT	SCE SOB 204	SCE	Big Creek-Ventura	11-Jul-12	20- 120	No	DEC	11	11:00	21:59
165	RT	SCE SOB 204	SCE	Big Creek-Ventura	11-Jul-12	5- 250	No	INC	11	13:05	23:59
166	RT	SCE SOB 204	SCE	Big Creek-Ventura	12-Jul-12	70- 150	No	DEC	11	10:45	20:39
167	RT	SCE SOB 204	SCE	Big Creek-Ventura	12-Jul-12	250	No	INC	23	0:20	22:59
168	RT	SCE SOB 204	SCE	Big Creek-Ventura	13-Jul-12	30- 230	No	INC	21	1:05	21:59
169	RT	SCE SOB 204	SCE	Big Creek-Ventura	19-Jul-12	22- 97	No	DEC	2	22:30	23:29
170	RT	SCE SOB 204	SCE	Big Creek-Ventura	19-Jul-12	23- 103	No	INC	7	17:40	23:29
171	RT	SCE SOB 204	SCE	Big Creek-Ventura	21-Jul-12	99- 248	No	INC	9	15:30	23:59
172	RT	SCE SOB 204	SCE	Big Creek-Ventura	22-Jul-12	17- 174	No	INC	10	14:50	23:59
173	RT	SCE SOB 204	SCE	Big Creek-Ventura	23-Jul-12	26- 205	No	DEC	11	12:00	22:59
174	RT	SCE SOB 204	SCE	Big Creek-Ventura	23-Jul-12	23- 184	No	INC	21	0:00	20:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
175	RT	SCE SOB 204	SCE	Big Creek-Ventura	24-Jul-12	85- 135	No	DEC	4	16:10	19:59
176	RT	SCE SOB 204	SCE	Big Creek-Ventura	24-Jul-12	26- 226	No	INC	4	19:15	22:59
177	RT	SCE SOB 204	SCE	Big Creek-Ventura	25-Jul-12	60	No	DEC	2	22:25	23:29
178	RT	SCE SOB 204	SCE	Big Creek-Ventura	25-Jul-12	15- 65	No	INC	3	20:15	22:59
179	RT	SCE SOB 204	SCE	Big Creek-Ventura	26-Jul-12	35	No	DEC	1	20:20	20:59
180	RT	SCE SOB 204	SCE	Big Creek-Ventura	26-Jul-12	15- 265	No	INC	3	18:55	20:59
181	RT	SCE SOB 204	SCE	Big Creek-Ventura	31-Jul-12	89	No	INC	9	15:55	23:59
182	RT	SP26 Capacity	SCE	LA Basin	14-Jul-12	0	No	INC	22	2:00	23:59
183	RT	SP26 Capacity	SCE	LA Basin	20-Jul-12	20	Yes	INC	22	2:00	23:59
184	RT	SP26 Capacity	SCE	LA Basin	23-Jul-12	20	Yes	INC	22	2:00	23:59
185	RT	Software Limitation	PG&E	Fresno	2-Jul-12	0	Yes	INC	18	6:00	23:59
186	RT	Software Limitation	PG&E	Fresno	3-Jul-12	0	No	INC	1	0:00	0:04
187	RT	Software Limitation	PG&E	Fresno	7-Jul-12	0	Yes	INC	2	22:35	23:34
188	RT	Software Limitation	PG&E	Fresno	11-Jul-12	299	No	DEC	1	0:30	0:44
189	RT	Software Limitation	PG&E	Fresno	11-Jul-12	0	No	INC	1	0:06	0:29
190	RT	Software Limitation	PG&E	Fresno	13-Jul-12	0	No	INC	2	22:50	23:49
191	RT	Software Limitation	PG&E	Fresno	17-Jul-12	0	No	INC	2	10:30	11:29
192	RT	Software Limitation	PG&E	Fresno	19-Jul-12	0	Yes	INC	2	22:00	23:09
193	RT	Software Limitation	PG&E	Fresno	25-Jul-12	64	No	INC	1	15:43	15:54
194	RT	Software Limitation	PG&E	N/A	11-Jul-12	167	No	DEC	2	6:30	7:59
195	RT	Software Limitation	PG&E	N/A	11-Jul-12	185	No	INC	7	1:25	7:59
196	RT	Software Limitation	PG&E	N/A	12-Jul-12	310	Yes	INC	6	0:27	5:59
197	RT	Software Limitation	PG&E	N/A	20-Jul-12	16	No	DEC	3	3:00	5:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
198	RT	Software Limitation	PG&E	N/A	23-Jul-12	200	No	INC	10	1:35	10:59
199	RT	Software Limitation	PG&E	N/A	30-Jul-12	52- 190	No	INC	13	0:15	12:59
200	RT	Software Limitation	SCE	Big Creek-Ventura	2-Jul-12	0	Yes	INC	2	20:50	21:19
201	RT	Software Limitation	SCE	Big Creek-Ventura	12-Jul-12	0	Yes	INC	5	0:27	4:59
202	RT	Software Limitation	SCE	Big Creek-Ventura	13-Jul-12	140	Yes	DEC	6	0:45	5:44
203	RT	Software Limitation	SCE	Big Creek-Ventura	13-Jul-12	0	Yes	INC	11	0:45	10:39
204	RT	Software Limitation	SCE	Big Creek-Ventura	14-Jul-12	230	Yes	DEC	6	0:20	5:19
205	RT	Software Limitation	SCE	Big Creek-Ventura	14-Jul-12	0	Yes	INC	18	0:20	17:59
206	RT	Software Limitation	SCE	LA Basin	6-Jul-12	0	Yes	INC	2	18:45	19:44
207	RT	Software Limitation	SCE	LA Basin	7-Jul-12	0	Yes	INC	2	21:15	22:14
208	RT	Software Limitation	SCE	LA Basin	12-Jul-12	0	Yes	INC	2	19:30	20:29
209	RT	Software Limitation	SCE	LA Basin	14-Jul-12	91	No	DEC	2	0:00	1:59
210	RT	Software Limitation	SCE	LA Basin	14-Jul-12	0	Yes	INC	2	17:45	18:44
211	RT	Software Limitation	SCE	LA Basin	16-Jul-12	0	Yes	INC	2	12:45	13:44
212	RT	Software Limitation	SCE	LA Basin	18-Jul-12	0	Yes	INC	1	10:25	10:54
213	RT	Software Limitation	SCE	LA Basin	19-Jul-12	0	Yes	INC	9	12:30	20:39
214	RT	Software Limitation	SCE	LA Basin	21-Jul-12	0	Yes	INC	2	21:45	22:44
215	RT	Software Limitation	SCE	LA Basin	23-Jul-12	0	Yes	INC	2	16:45	17:44
216	RT	Software Limitation	SCE	LA Basin	25-Jul-12	0	Yes	INC	2	18:45	19:44
217	RT	Software Limitation	SCE	LA Basin	26-Jul-12	0	Yes	INC	2	18:55	19:54
218	RT	Software Limitation	SCE	LA Basin	29-Jul-12	0	Yes	INC	4	18:38	21:19
219	RT	Software Limitation	SCE	LA Basin	31-Jul-12	0	Yes	INC	2	21:15	22:14
220	RT	Software Limitation	SCE	N/A	12-Jul-12	0	Yes	INC	3	21:40	23:59
221	RT	Software Limitation	SCE	N/A	13-Jul-12	0	No	INC	5	0:00	4:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
222	RT	Software Limitation	SDG&E	San Diego	11-Jul-12	335	No	INC	1	23:40	23:58
223	RT	Software Limitation	SDG&E	San Diego	12-Jul-12	335	No	INC	1	0:00	0:52
224	RT	Software Limitation	SDG&E	San Diego	20-Jul-12	0	No	INC	13	10:10	22:59
225	RT	Software Limitation	SDG&E	San Diego	28-Jul-12	200	No	INC	2	0:46	1:59
226	RT	Stranded A/S or RUC	Intertie	N/A	2-Jul-12	145	No	DEC	2	7:59	8:33
227	RT	Stranded A/S or RUC	Intertie	N/A	2-Jul-12	0	No	INC	2	7:59	8:59
228	RT	Stranded A/S or RUC	PG&E	Sierra	13-Jul-12	13- 26	Yes	DEC	15	7:00	21:59
229	RT	Stranded A/S or RUC	PG&E	Sierra	13-Jul-12	20	Yes	INC	15	7:00	21:59
230	RT	System Energy	Intertie	N/A	7-Jul-12	180	Yes	INC	1	16:00	16:59
231	RT	System Energy	Intertie	N/A	10-Jul-12	75	Yes	INC	1	18:00	18:59
232	RT	System Energy	Intertie	N/A	11-Jul-12	10- 57	Yes	INC	10	14:00	23:59
233	RT	System Energy	Intertie	N/A	12-Jul-12	10- 300	Yes	INC	21	0:00	20:59
234	RT	System Energy	Intertie	N/A	22-Jul-12	225	Yes	INC	1	3:00	3:59
235	RT	Thermal Margin	PG&E	N/A	1-Jul-12	141	No	INC	13	11:00	23:59
236	RT	Thermal Margin	PG&E	N/A	2-Jul-12	180	Yes	INC	11	13:00	23:59
237	RT	Thermal Margin	PG&E	N/A	3-Jul-12	180	Yes	INC	24	0:00	23:59
238	RT	Thermal Margin	SCE	LA Basin	1-Jul-12	160	No	INC	24	0:00	23:59
239	RT	Thermal Margin	SCE	LA Basin	2-Jul-12	20	Yes	INC	17	7:00	23:59
240	RT	Thermal Margin	SCE	LA Basin	3-Jul-12	20	Yes	INC	24	0:00	23:59
241	RT	Thermal Margin	SCE	LA Basin	4-Jul-12	20	Yes	INC	24	0:00	23:59
242	RT	Thermal Margin	SCE	LA Basin	5-Jul-12	20	Yes	INC	24	0:00	23:59
243	RT	Thermal Margin	SCE	LA Basin	9-Jul-12	63	Yes	DEC	5	19:00	23:59
244	RT	Thermal Margin	SCE	LA Basin	9-Jul-12	25	Yes	INC	5	19:00	23:59
245	RT	Thermal Margin	SDG&E	San Diego	2-Jul-12	20	No	INC	15	9:00	23:59
246	RT	Thermal Margin	SDG&E	San Diego	3-Jul-12	20	No	INC	23	1:00	23:59
247	RT	Thermal Margin	SDG&E	San Diego	4-Jul-12	20	No	INC	24	0:00	23:59
248	RT	Thermal Margin	SDG&E	San Diego	5-Jul-12	20	No	INC	24	0:00	23:59
249	RT	Transmission Outage Other	PG&E	Humboldt	17-Jul-12	15	No	INC	2	4:09	5:08
250	RT	Transmission Outage Other	PG&E	Humboldt	23-Jul-12	29	No	INC	4	5:13	8:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
251	RT	Transmission Outage PG&E	PG&E	Bay Area	2-Jul-12	30- 37	No	INC	8	7:55	14:59
252	RT	Transmission Outage PG&E	PG&E	Bay Area	3-Jul-12	0- 20	No	INC	14	8:35	21:59
253	RT	Transmission Outage PG&E	PG&E	Fresno	22-Jul-12	32	No	INC	13	11:50	23:14
254	RT	Transmission Outage PG&E	PG&E	Fresno	23-Jul-12	32- 64	No	INC	14	9:12	22:59
255	RT	Transmission Outage PG&E	PG&E	Fresno	24-Jul-12	32- 64	No	INC	15	9:40	23:59
256	RT	Transmission Outage PG&E	PG&E	Fresno	25-Jul-12	32	No	INC	12	12:48	23:20
257	RT	Transmission Outage PG&E	PG&E	Fresno	26-Jul-12	32	No	INC	13	11:45	23:18
258	RT	Transmission Outage PG&E	PG&E	Fresno	27-Jul-12	32	No	INC	13	11:00	23:54
259	RT	Transmission Outage PG&E	PG&E	Fresno	28-Jul-12	32	No	INC	11	12:25	22:59
260	RT	Transmission Outage PG&E	PG&E	Fresno	29-Jul-12	32	No	INC	8	14:05	21:59
261	RT	Transmission Outage PG&E	PG&E	Fresno	30-Jul-12	32	No	INC	13	11:30	23:59
262	RT	Transmission Outage PG&E	PG&E	Fresno	31-Jul-12	32- 64	No	INC	14	10:45	23:29
263	RT	Transmission Outage PG&E	PG&E	Humboldt	2-Jul-12	13- 15	No	INC	4	9:50	12:59
264	RT	Transmission Outage PG&E	PG&E	Humboldt	9-Jul-12	16- 48	No	INC	7	11:49	17:59
265	RT	Transmission Outage PG&E	PG&E	Humboldt	10-Jul-12	32	No	INC	1	12:40	12:44
266	RT	Transmission Outage PG&E	PG&E	Humboldt	11-Jul-12	32- 56	No	INC	10	13:07	22:59
267	RT	Transmission Outage PG&E	PG&E	Humboldt	12-Jul-12	29- 61	No	INC	8	15:00	22:29
268	RT	Transmission Outage PG&E	PG&E	Humboldt	17-Jul-12	29	No	INC	21	3:30	23:59
269	RT	Transmission Outage PG&E	PG&E	Humboldt	18-Jul-12	29- 61	No	INC	24	0:00	23:29
270	RT	Transmission Outage PG&E	PG&E	Humboldt	19-Jul-12	30- 32	No	INC	18	0:00	17:59
271	RT	Transmission Outage PG&E	PG&E	Humboldt	20-Jul-12	29- 61	No	INC	24	0:00	23:59
272	RT	Transmission Outage PG&E	PG&E	Humboldt	21-Jul-12	29- 61	No	INC	24	0:00	23:58
273	RT	Transmission Outage PG&E	PG&E	Humboldt	22-Jul-12	29- 90	No	INC	24	0:00	23:59
274	RT	Transmission Outage PG&E	PG&E	Humboldt	23-Jul-12	29- 45	No	INC	24	0:00	23:58
275	RT	Transmission Outage PG&E	PG&E	Humboldt	24-Jul-12	29- 64	No	INC	24	0:00	23:59
276	RT	Transmission Outage PG&E	PG&E	Humboldt	25-Jul-12	64	No	INC	1	0:00	0:59
277	RT	Transmission Outage PG&E	PG&E	Humboldt	26-Jul-12	16	No	INC	9	7:53	15:59
278	RT	Transmission Outage PG&E	PG&E	Humboldt	31-Jul-12	15	No	INC	7	8:17	14:59
279	RT	Transmission Outage PG&E	PG&E	NCNB	17-Jul-12	34- 35	No	DEC	4	10:18	13:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
280	RT	Transmission Outage SDG&E	SDG&E	San Diego	7-Jul-12	0	Yes	INC	2	17:04	18:14
281	RT	Transmission Outage SDG&E	SDG&E	San Diego	8-Jul-12	0	Yes	INC	3	15:55	17:19
282	RT	Transmission Outage SDG&E	SDG&E	San Diego	10-Jul-12	44	No	DEC	2	12:10	13:34
283	RT	Transmission Outage SDG&E	SDG&E	San Diego	10-Jul-12	0	No	INC	4	12:10	15:24
284	RT	Transmission Outage SDG&E	SDG&E	San Diego	11-Jul-12	39- 43	Yes	DEC	9	12:10	20:59
285	RT	Transmission Outage SDG&E	SDG&E	San Diego	11-Jul-12	0	Yes	INC	12	12:00	23:59
286	RT	Transmission Outage SDG&E	SDG&E	San Diego	12-Jul-12	38	No	DEC	7	13:00	19:59
287	RT	Transmission Outage SDG&E	SDG&E	San Diego	12-Jul-12	0	No	INC	20	0:00	19:59
288	RT	Transmission Outage SDG&E	SDG&E	San Diego	13-Jul-12	0	Yes	INC	1	14:00	14:59
289	RT	Transmission Outage SDG&E	SDG&E	San Diego	15-Jul-12	47	Yes	INC	4	10:30	13:59
290	RT	Transmission Outage SDG&E	SDG&E	San Diego	17-Jul-12	0	Yes	INC	6	11:50	16:59
291	RT	Unit Testing	PG&E	N/A	9-Jul-12	45	Yes	INC	10	9:30	18:59
292	RT	Unit Testing	PG&E	N/A	10-Jul-12	25	Yes	INC	10	8:25	17:59
293	RT	Unit Testing	PG&E	N/A	15-Jul-12	45	Yes	INC	11	8:10	18:59
294	RT	Unit Testing	PG&E	N/A	19-Jul-12	25- 45	Yes	INC	8	11:55	18:59
295	RT	Voltage Support	PG&E	Fresno	10-Jul-12	32- 112	Yes	INC	7	16:40	22:59
296	RT	Voltage Support	PG&E	Fresno	11-Jul-12	32- 64	No	INC	14	10:30	23:59
297	RT	Voltage Support	PG&E	Fresno	12-Jul-12	32- 64	No	INC	15	9:55	23:59
298	RT	Voltage Support	PG&E	Fresno	13-Jul-12	32- 84	No	INC	24	0:00	23:59
299	RT	Voltage Support	PG&E	Fresno	14-Jul-12	32	No	INC	23	0:00	22:59
300	RT	Voltage Support	PG&E	Fresno	15-Jul-12	32	No	INC	10	13:00	22:59
301	RT	Voltage Support	PG&E	Fresno	16-Jul-12	32	No	INC	12	11:40	22:59
302	RT	Voltage Support	PG&E	Fresno	17-Jul-12	32	No	INC	8	15:20	22:29
303	RT	Voltage Support	PG&E	Fresno	18-Jul-12	32	No	INC	8	15:20	22:59
304	RT	Voltage Support	PG&E	Fresno	19-Jul-12	32	No	INC	12	12:10	23:29
305	RT	Voltage Support	PG&E	Fresno	20-Jul-12	32	No	INC	11	13:01	23:43
306	RT	Voltage Support	PG&E	Fresno	21-Jul-12	32- 64	No	INC	13	11:15	23:59
307	RT	Voltage Support	PG&E	Fresno	22-Jul-12	32	No	INC	13	11:38	23:44
308	RT	Voltage Support	PG&E	Humboldt	5-Jul-12	16- 47	No	INC	3	17:18	19:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
309	RT	Voltage Support	PG&E	N/A	15-Jul-12	25	Yes	INC	1	8:10	8:59
310	RT	Weather	SDG&E	San Diego	31-Jul-12	20	No	INC	11	13:00	23:59

Appendix A: Explanation by Example

All examples listed below are based on fictitious data.

Example 1: Exceptional Dispatch Instructions Prior to DAM

In this fictitious example, the ISO issued an exceptional dispatch instruction for resource A to be committed at its physical minimum (Pmin) of 50 MW from hours ending 5 through 10 for generation procedure 7630. 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	7630
01-Jul-09	DA	B	SCE	LA BASIN	08:00	20:00	30	7630
01-Jul-09	DA	C	SCE	LA BASIN	09:00	23:00	20	7630

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	7630	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 7110. 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 7110. 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 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	7110
01-Jul-09	RT	B	PG&E	Humboldt	07:00	09:00	40	20	No	INC	20	7110
01-Jul-09	RT	C	PG&E	Humboldt	12:00	15:00	50	50	No	INC	0	7110
01-Jul-09	RT	C	PG&E	Humboldt	16:00	20:00	50	40	No	INC	10	7110

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	7110	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 7430. 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	7430
01-Jul-09	RT	B	PG&E	Fresno	07:00	09:00	40	60	No	DEC	20	7430
01-Jul-09	RT	C	PG&E	Fresno	10:00	14:00	40	50	No	DEC	10	7430

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	7430	PG&E	Fresno	1-Jul-09	20	Yes	INC	6	15:00	20:00
1	RT	7430	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 lists in the above-referenced proceedings, in accordance with the requirements of Rule 2010 of the Commission's Rules of Practice and Procedure (18 C.F.R. § 385.2010).

Dated at Folsom, California this 14th day of September 2012.

/s/ Anna Pascuzzo
Anna Pascuzzo