



February 15, 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-___
December 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 December 2011.

Respectfully submitted,

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Exceptional Dispatch Report

Table 1: December 2011

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Introduction

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

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 dispatch¹. A pre-day-ahead commitment is an exceptional dispatch instruction that commits a resource at or above its physical minimum operating level in the day-ahead market. A post-day-ahead market commitment is an exceptional dispatch instruction that commits a resource at or above its physical minimum operating level in the real-time market. A real-time exceptional dispatch instruction is a dispatch of a resource at or above its physical minimum operating point. For the purposes of this report, a real-time exceptional dispatch above the resource day-ahead award is considered an incremental exceptional dispatch instruction and an exceptional dispatch below the day-ahead award is considered a decremental dispatch instruction.

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

Many of the exceptional dispatches listed below in Table 1, were to satisfy either a local area or system reliability requirements, and are classified into local generation requirements, transmission management requirements, non-modeled transmission outages or other requirements, such as ramp requirements and intertie emergency assistance. All reason codes starting with "G" refer to an ISO operating procedure for generation requirements and reason codes starting with "T" refer to an ISO operating procedure for transmission facilities. Most of the generation procedures are internal to the ISO and not available on the ISO website. All of the transmission procedures are available on the CAISO website².

¹ The ISO can issue exceptional dispatch instruction subject to authority of the ISO Tariff Section 34.9 and in accordance with ISO Operating Procedure 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 December 2011, the ISO issued exceptional dispatches for the following local area generation requirements: (1) G-219, SCE area generation requirements. Exceptional dispatch instructions were also issued for the following transmission management requirements: (1) T-103, Southern California import transmission (SCIT) nomogram; (2) T-132, transmission facilities in San Diego and Imperial Valley area; (3) T-138, transmission facilities in Humboldt area; (4) T-169, Julian Hinds-Mirage 230 kV line overload mitigation & Eagle Mountain bank emergency mitigation; and (5) other transmission outages in PG&E, SCE and SDG&E area.

The following additional reasons for exceptional dispatch instructions in December 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 commitments. For instance, a resource has a day-ahead schedule from 0600 till 2300, and then is shut down in 2400. If this resource had a minimum down time of 24 hours and it is required the following day, then the ISO issues an exceptional dispatch to commit this resource in 2400 so that it can be dispatched economically in the following day. Software limitation reason was also used for exceptional dispatches to manually issue shut down instructions to a resource because of a temporary Automatic Dispatch System (“ADS”) failure, or similar issues; and (2) Ramp Rate, when exceptional dispatch instructions were issued to dispatch a resource above its physical minimum to a level where the resource has significantly higher ramp rate capability. For example, a resource could have a ramp rate of 2 MW/min at its physical minimum of 100 MW, but a significantly higher ramp rate of 10 MW/min at 250 MW. The operators could issue an exceptional dispatch for this resource to be dispatched to 250 MW, so that the resource could respond to the anticipated steep load ramp or to a potential contingency. There were a few other reasons used to explain exceptional dispatch instructions in December, which are self explanatory.

As mentioned earlier, the data shown in Table 1 is based on a template specified in the September 2009 order³. Each entry in Attachment A is a summary of exceptional dispatches classified by (1) the reason for the exceptional dispatch; (2) the location of the resource by Participating Transmission Owner (“PTO”) service area; (3) the Local Reliability Area (“LRA”) where applicable; (4) the market in which the exceptional dispatch occurred (day-ahead vs. real-time); and (5) the date of the exceptional dispatch. For each classification the following

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.

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 130 exceptional dispatches in December 2011, decreasing by 30 as compared to the January 13, 2011 report for December 2011. There were no exceptional dispatches in the day-ahead market. Exceptional dispatches issued for the following reasons accounted for 63 percent of the total exceptional dispatches during the reporting period: Software Limitation, G-219, Transmission Outage PG&E, Ramp Rate, and System Energy.

Table 1: Exceptional Dispatches in December 2011

California Independent System Operator Corporation Exceptional Dispatch Report February 15, 2012											
Chart 1: Table of Exceptional Dispatches for Period 01/December/2011 – 31/December/2011											
Num ber	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commit ment	INC_ DEC	Hours	Begin Time	End Time
1	RT	Dispatch Modification	PG&E	N/A	30-Dec-11	450	No	INC	2	19:16	20:49
2	RT	Dispatch Modification	SDG&E	N/A	30-Dec-11	510- 559	No	INC	1	19:02	19:51
3	RT	ELC Commitment	PG&E	N/A	4-Dec-11	52	No	INC	8	16:00	23:59
4	RT	G-219	SCE	LA Basin	1-Dec-11	20	Yes	INC	24	0:00	23:59
5	RT	G-219	SCE	LA Basin	4-Dec-11	20	Yes	INC	14	10:00	23:59
6	RT	G-219	SCE	LA Basin	12-Dec-11	34	No	DEC	2	11:00	12:59
7	RT	G-219	SCE	LA Basin	12-Dec-11	37	No	INC	2	11:00	12:59
8	RT	G-219	SCE	LA Basin	13-Dec-11	98	No	DEC	1	17:25	17:59
9	RT	G-219	SCE	LA Basin	13-Dec-11	58- 155	No	INC	2	17:40	18:59
10	RT	G-219	SCE	LA Basin	15-Dec-11	9- 161	No	DEC	5	15:55	19:59
11	RT	G-219	SCE	LA Basin	16-Dec-11	21- 97	Yes	DEC	4	16:15	19:59
12	RT	G-219	SCE	LA Basin	16-Dec-11	45	Yes	INC	4	16:15	19:59
13	RT	G-219	SCE	LA Basin	19-Dec-11	20	Yes	INC	19	5:00	23:59
14	RT	G-219	SCE	LA Basin	20-Dec-11	10	Yes	INC	24	0:00	23:59
15	RT	Gas/Fuel Supply Limitation	SCE	LA Basin	8-Dec-11	132	No	DEC	1	9:05	9:59
16	RT	Gas/Fuel Supply Limitation	SCE	N/A	8-Dec-11	123- 184	No	INC	4	8:55	11:29
17	RT	Gas/Fuel Supply Limitation	SDG&E	San Diego	8-Dec-11	290- 571	No	INC	3	8:55	10:59
18	RT	Intertie Emergency Assistance	N/A	N/A	17-Dec-11	80	No	INC	1	7:25	7:59
19	RT	Intertie Emergency Assistance	N/A	N/A	22-Dec-11	30- 60	No	INC	2	13:26	14:59
20	RT	MSG Plant Startup	N/A	N/A	2-Dec-11	2	Yes	DEC	1	12:25	12:59
21	RT	MSG Plant Startup	N/A	N/A	2-Dec-11	13	Yes	INC	1	12:45	12:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
22	RT	MSG Plant Startup	N/A	N/A	5-Dec-11	0	Yes	DEC	8	8:00	15:59
23	RT	MSG Plant Startup	N/A	N/A	5-Dec-11	16- 41	Yes	INC	8	8:00	15:59
24	RT	MSG Plant Startup	N/A	N/A	22-Dec-11	197	Yes	INC	2	18:15	19:59
25	RT	Missing Bids	N/A	N/A	2-Dec-11	200	Yes	DEC	8	8:00	15:59
26	RT	Ramp Rate	PG&E	N/A	21-Dec-11	97- 101	No	INC	5	15:55	19:59
27	RT	Ramp Rate	SCE	LA Basin	1-Dec-11	65	Yes	INC	4	15:11	18:59
28	RT	Ramp Rate	SCE	LA Basin	6-Dec-11	217- 342	No	DEC	5	15:30	19:59
29	RT	Ramp Rate	SCE	LA Basin	6-Dec-11	65	No	INC	5	15:30	19:59
30	RT	Ramp Rate	SCE	LA Basin	7-Dec-11	41- 396	No	DEC	4	15:30	18:59
31	RT	Ramp Rate	SCE	LA Basin	7-Dec-11	3- 66	No	INC	4	15:30	18:59
32	RT	Ramp Rate	SCE	LA Basin	8-Dec-11	42- 391	No	DEC	15	5:00	19:29
33	RT	Ramp Rate	SCE	LA Basin	8-Dec-11	21- 66	No	INC	15	5:00	19:29
34	RT	Ramp Rate	SCE	LA Basin	9-Dec-11	42- 97	No	DEC	16	5:10	20:59
35	RT	Ramp Rate	SCE	LA Basin	9-Dec-11	45- 110	No	INC	16	5:00	20:59
36	RT	Ramp Rate	SCE	LA Basin	12-Dec-11	42- 158	No	DEC	5	15:00	19:59
37	RT	Ramp Rate	SCE	LA Basin	13-Dec-11	42- 158	No	DEC	3	15:00	17:59
38	RT	Ramp Rate	SCE	LA Basin	13-Dec-11	45	No	INC	3	15:00	17:59
39	RT	Ramp Rate	SCE	LA Basin	17-Dec-11	20- 140	No	INC	6	14:45	19:59
40	RT	Ramp Rate	SCE	LA Basin	19-Dec-11	65	Yes	INC	4	16:15	19:59
41	RT	Ramp Rate	SDG&E	San Diego	20-Dec-11	17	Yes	INC	7	13:30	19:59
42	RT	Ramp Rate	SDG&E	San Diego	26-Dec-11	215	No	INC	5	15:10	19:59
43	RT	Ramp Rate	SDG&E	San Diego	27-Dec-11	65	No	INC	6	14:58	19:59
44	RT	Risk Predictor	SCE	LA Basin	18-Dec-11	10	Yes	INC	24	0:00	23:59
45	RT	Risk Predictor	SDG&E	San Diego	26-Dec-11	200	No	INC	17	7:00	23:59
46	RT	Software Error	SDG&E	San Diego	26-Dec-11	20- 90	No	INC	10	13:00	22:59
47	RT	Software Limitation	N/A	N/A	2-Dec-11	241	Yes	DEC	3	15:55	17:59
48	RT	Software Limitation	N/A	N/A	28-Dec-11	0	Yes	INC	2	19:05	20:04
49	RT	Software Limitation	N/A	N/A	31-Dec-11	25	Yes	DEC	1	12:50	12:54
50	RT	Software Limitation	PG&E	Bay Area	1-Dec-11	0	Yes	INC	2	5:45	6:44

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
51	RT	Software Limitation	PG&E	Fresno	10-Dec-11	0	Yes	INC	2	22:35	23:04
52	RT	Software Limitation	PG&E	Fresno	11-Dec-11	46- 96	Yes	DEC	4	19:30	22:19
53	RT	Software Limitation	PG&E	Fresno	11-Dec-11	0	Yes	INC	3	20:20	22:19
54	RT	Software Limitation	PG&E	Fresno	14-Dec-11	0	Yes	INC	2	9:55	10:24
55	RT	Software Limitation	PG&E	Fresno	20-Dec-11	22	No	INC	8	12:10	19:59
56	RT	Software Limitation	PG&E	N/A	1-Dec-11	0	Yes	INC	2	5:45	6:44
57	RT	Software Limitation	PG&E	N/A	16-Dec-11	97	No	INC	2	13:15	14:14
58	RT	Software Limitation	PG&E	N/A	22-Dec-11	197	Yes	INC	2	18:00	19:59
59	RT	Software Limitation	PG&E	N/A	26-Dec-11	147	No	INC	1	10:26	10:54
60	RT	Software Limitation	PG&E	N/A	28-Dec-11	0	No	INC	2	18:30	19:09
61	RT	Software Limitation	SCE	LA Basin	5-Dec-11	0	Yes	INC	1	19:16	19:59
62	RT	Software Limitation	SCE	LA Basin	9-Dec-11	0	No	INC	1	5:00	5:59
63	RT	Software Limitation	SCE	LA Basin	11-Dec-11	0	Yes	INC	3	17:30	19:14
64	RT	Software Limitation	SCE	LA Basin	12-Dec-11	0	Yes	INC	11	12:30	22:59
65	RT	Software Limitation	SCE	LA Basin	13-Dec-11	0	Yes	INC	2	21:30	22:29
66	RT	Software Limitation	SCE	LA Basin	14-Dec-11	0	Yes	INC	3	21:40	23:14
67	RT	Software Limitation	SCE	LA Basin	15-Dec-11	0	Yes	INC	2	21:45	22:44
68	RT	Software Limitation	SCE	LA Basin	17-Dec-11	0	Yes	INC	2	22:25	23:24
69	RT	Software Limitation	SCE	LA Basin	22-Dec-11	0	Yes	INC	2	21:40	22:39
70	RT	Software Limitation	SCE	LA Basin	23-Dec-11	0	Yes	INC	22	0:25	21:59
71	RT	Software Limitation	SCE	LA Basin	26-Dec-11	0	No	INC	9	15:00	23:59
72	RT	Software Limitation	SDG&E	N/A	2-Dec-11	145	No	INC	2	17:30	18:59
73	RT	Software Limitation	SDG&E	San Diego	2-Dec-11	281	No	INC	3	15:42	17:59
74	RT	Software Limitation	SDG&E	San Diego	8-Dec-11	0	Yes	INC	2	5:45	6:59
75	RT	Software Limitation	SDG&E	San Diego	13-Dec-11	0	Yes	INC	3	5:45	7:09
76	RT	Software Limitation	SDG&E	San Diego	15-Dec-11	0	Yes	INC	2	5:45	6:59
77	RT	Software Limitation	SDG&E	San Diego	16-Dec-11	0	Yes	INC	1	19:15	19:44
78	RT	Software Limitation	SDG&E	San Diego	21-Dec-11	0	Yes	INC	1	22:30	22:59
79	RT	Software Limitation	SDG&E	San Diego	26-Dec-11	20- 90	No	INC	6	12:50	17:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
80	RT	System Energy	N/A	N/A	2-Dec-11	200- 625	Yes	INC	12	5:00	16:59
81	RT	System Energy	N/A	N/A	7-Dec-11	604	Yes	INC	1	5:00	5:59
82	RT	System Energy	N/A	N/A	9-Dec-11	1297	Yes	INC	1	16:00	16:59
83	RT	System Energy	N/A	N/A	12-Dec-11	300	Yes	INC	1	14:00	14:59
84	RT	System Energy	N/A	N/A	14-Dec-11	885	Yes	INC	1	16:00	16:59
85	RT	System Energy	N/A	N/A	16-Dec-11	550	Yes	INC	1	16:00	16:59
86	RT	System Energy	N/A	N/A	17-Dec-11	104- 129	No	DEC	1	13:00	13:59
87	RT	System Energy	N/A	N/A	17-Dec-11	600-1000	Yes	INC	4	13:00	16:59
88	RT	System Energy	N/A	N/A	19-Dec-11	200	Yes	INC	1	1:00	1:59
89	RT	System Energy	N/A	N/A	20-Dec-11	200	Yes	INC	1	12:00	12:59
90	RT	T-103	SCE	LA Basin	5-Dec-11	20	Yes	INC	12	12:00	23:59
91	RT	T-132	N/A	N/A	1-Dec-11	241	No	DEC	13	7:45	19:59
92	RT	T-132	SDG&E	N/A	5-Dec-11	550	No	INC	6	17:45	22:59
93	RT	T-132	SDG&E	San Diego	1-Dec-11	290	No	INC	11	1:25	11:40
94	RT	T-138	PG&E	Humboldt	5-Dec-11	29	No	INC	4	19:20	22:59
95	RT	T-138	PG&E	Humboldt	7-Dec-11	61	No	INC	1	23:00	23:53
96	RT	T-138	PG&E	Humboldt	10-Dec-11	32	No	INC	1	22:00	22:59
97	RT	T-138	PG&E	Humboldt	12-Dec-11	30- 32	No	INC	12	11:50	22:29
98	RT	T-138	PG&E	Humboldt	13-Dec-11	32	No	INC	10	7:20	16:59
99	RT	T-138	PG&E	Humboldt	15-Dec-11	29	No	INC	4	19:49	22:25
100	RT	T-138	PG&E	Humboldt	23-Dec-11	29	No	INC	6	17:22	22:01
101	RT	T-169	SCE	N/A	5-Dec-11	1- 9	Yes	DEC	4	20:20	23:29
102	RT	T-169	SCE	N/A	5-Dec-11	64	Yes	INC	4	20:20	23:29
103	RT	T-169	SCE	N/A	15-Dec-11	2	No	DEC	4	19:50	22:59
104	RT	Telemetry Error	N/A	N/A	31-Dec-11	25	Yes	DEC	2	11:00	12:59
105	RT	Telemetry Error	N/A	N/A	31-Dec-11	0	Yes	INC	2	11:00	12:59
106	RT	Transmission Outage PG&E	N/A	N/A	1-Dec-11	1	Yes	DEC	4	15:35	18:59
107	RT	Transmission Outage PG&E	N/A	N/A	1-Dec-11	28- 86	Yes	INC	5	14:10	18:59
108	RT	Transmission Outage PG&E	N/A	N/A	5-Dec-11	32	Yes	INC	6	10:20	15:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
109	RT	Transmission Outage PG&E	PG&E	Humboldt	1-Dec-11	29- 112	No	INC	24	0:00	23:59
110	RT	Transmission Outage PG&E	PG&E	Humboldt	2-Dec-11	30- 116	No	INC	24	0:00	23:59
111	RT	Transmission Outage PG&E	PG&E	Humboldt	3-Dec-11	15- 102	No	INC	24	0:00	23:59
112	RT	Transmission Outage PG&E	PG&E	Humboldt	4-Dec-11	32- 96	No	INC	24	0:00	23:59
113	RT	Transmission Outage PG&E	PG&E	Humboldt	5-Dec-11	64- 96	Yes	INC	18	0:00	17:59
114	RT	Transmission Outage PG&E	PG&E	N/A	19-Dec-11	5- 34	Yes	DEC	5	18:45	22:44
115	RT	Transmission Outage PG&E	PG&E	Sierra	8-Dec-11	20	Yes	INC	3	10:15	12:59
116	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	14-Dec-11	20- 215	Yes	INC	6	3:00	8:59
117	RT	Transmission Outage SCE	SCE	LA Basin	14-Dec-11	15- 139	No	DEC	13	6:40	18:59
118	RT	Transmission Outage SCE	SCE	LA Basin	14-Dec-11	10- 248	No	INC	4	15:15	18:59
119	RT	Transmission Outage SCE	SCE	LA Basin	15-Dec-11	13- 42	No	DEC	3	13:50	15:59
120	RT	Transmission Outage SCE	SCE	LA Basin	15-Dec-11	122	No	INC	1	15:10	15:59
121	RT	Transmission Outage SDG&E	SDG&E	N/A	5-Dec-11	450	No	INC	8	8:20	15:59
122	RT	Transmission Outage SDG&E	SDG&E	San Diego	5-Dec-11	22	No	INC	8	8:15	15:59
123	RT	Unit Control	PG&E	Fresno	21-Dec-11	46	Yes	INC	3	19:30	21:59
124	RT	Unit Testing	N/A	N/A	19-Dec-11	1	No	INC	1	13:00	13:29
125	RT	Unit Testing	PG&E	N/A	8-Dec-11	175	No	DEC	1	14:35	14:44
126	RT	Unit Testing	PG&E	N/A	22-Dec-11	141	Yes	INC	2	18:55	19:59
127	RT	Unit Testing	SCE	LA Basin	1-Dec-11	13	No	DEC	10	11:25	20:59
128	RT	Unit Testing	SCE	LA Basin	1-Dec-11	87- 510	No	INC	11	10:25	20:59
129	RT	Unit Testing	SCE	LA Basin	20-Dec-11	160- 495	No	INC	5	9:08	13:45
130	RT	Unit Testing	SDG&E	San Diego	7-Dec-11	50- 99	No	INC	3	16:24	18:59

Appendix A: Explanation by Example

All examples listed below are based on fictitious data.

Example 1: Exceptional Dispatch Instructions Prior to DAM

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

Table 2: Instructions Prior to Day-Ahead Market

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

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

Table 3: FERC Summary of Instructions Prior to DAM

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

Example 2: Incremental Exceptional Dispatch Instructions in RTM

In this fictitious example the ISO issued an exceptional dispatch instruction to resource A to be committed at its Pmin of 30 MW from hours ending 7 through 11 after completion of the day-ahead market for the transmission procedure T-138. This resource did not have a day-ahead award in those hours. The ISO issued another exceptional dispatch instruction to resource B, to be dispatched at 40 MW from hours ending 8 through 9 in real-time for the transmission procedure T-138. This resource had a day-ahead schedule of 20 MW from the day-ahead market, which implies that this exceptional dispatch instruction was an incremental instruction and the exceptional dispatch MW was 20 MW. Similarly, the details of exceptional dispatch (ED) instruction for resource C 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 15th day of February, 2012.

/s/ Anna Pascuzzo

Anna Pascuzzo