

October 15, 2014

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-____
August 2014 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 August 2014.

Respectfully submitted,

By: /s/ Sidney M. Davies

Roger E. Collanton
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@casio.com



Exceptional Dispatch Report

Table 1: August 2014

TABLE OF CONTENTS

Introduction	3
The Nature of Exceptional Dispatch.....	3
Appendix A: Explanation by Example	12
Example 1: Exceptional Dispatch Instructions Prior to DAM	12
Example 2: Incremental Exceptional Dispatch Instructions in RTM.....	13
Example 3: Decremental Exceptional Dispatch Instructions in RTM.....	15

LIST OF TABLES AND FIGURES

Table 1: Exceptional Dispatches in August 2014	6
Table 2: Instructions Prior to Day-Ahead Market	12
Table 3: FERC Summary of Instructions Prior to DAM	13
Table 4: Incremental Exceptional Dispatch Instructions in RTM	13
Table 5: FERC Summary of ED Instructions in RTM	14
Table 6: Decremental Exceptional Dispatch Instructions in RTM	15
Table 7: FERC Summary of Decremental ED Instructions in RTM.....	15

Introduction

This report is filed pursuant to FERC’s September 2, 2009 and June 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 August 2014. On December 19, 2013, the ISO implemented a new exceptional dispatch tool. This tool improves the ISO’s ability to automate the production of the report and provides more granularity and consistency concerning the reasons for the exceptional dispatch.

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 of the transmission procedures are available on the CAISO website².

¹ The ISO can issue exceptional dispatch instructions 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>

The following reason for exceptional dispatch instructions in August 2014 was not related to specific generation or transmission operating procedures: 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. There were a few other reasons used to explain exceptional dispatch instructions in August 2014, 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 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 139 exceptional dispatches in August 2014, as compared to 181 exceptional dispatches in July 2014. Exceptional dispatches issued for the following reasons accounted for approximately 61

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.

percent of the total exceptional dispatches during the reporting period: startup instructions, other reliability requirement, Operating Procedure Number and Constraint and planned transmission outage.

Table 1: Exceptional Dispatches in August 2014

**California Independent System Operator Corporation
Exceptional Dispatch Report
October 15, 2014**

Chart 1: Table of Exceptional Dispatches for Period 01/Aug/2014 - 31/Aug/2014

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
1	RT	Bridging Schedules	SCE	LA Basin	14-Aug-14	10	No	INC	6	18:30	23:59
2	RT	Bridging Schedules	SCE	N/A	14-Aug-14	40	Yes	INC	5	19:00	23:59
3	RT	Bridging Schedules	SDG&E	San Diego-IV	1-Aug-14	20	No	INC	2	22:00	23:59
4	RT	Bridging Schedules	SDG&E	San Diego-IV	13-Aug-14	20	No	INC	2	22:05	23:59
5	RT	Bridging Schedules	SDG&E	San Diego-IV	14-Aug-14	20	No	INC	1	23:00	23:59
6	RT	COI Mitigation	PG&E	N/A	10-Aug-14	195	No	INC	2	16:00	17:59
7	RT	Contingency Dispatch	PG&E	N/A	21-Aug-14	380	No	INC	1	17:55	18:44
8	RT	Contingency Dispatch	SCE	Big Creek-Ventura	21-Aug-14	46- 230	No	INC	2	18:30	19:44
9	RT	Contingency Dispatch	SCE	LA Basin	21-Aug-14	748- 765	No	INC	1	18:25	18:59
10	RT	Contingency Dispatch	SDG&E	San Diego-IV	21-Aug-14	35	No	INC	1	18:40	18:59
11	RT	Fast Start Unit Management	PG&E	Fresno	12-Aug-14	20- 40	No	INC	16	6:00	21:59
12	RT	Fast Start Unit Management	PG&E	Fresno	13-Aug-14	20- 40	No	INC	18	6:45	23:59
13	RT	Fast Start Unit Management	PG&E	Fresno	15-Aug-14	20- 40	No	INC	20	3:45	22:59
14	RT	Fast Start Unit Management	PG&E	Fresno	16-Aug-14	40	No	INC	13	8:45	20:59
15	RT	Fast Start Unit Management	PG&E	Fresno	17-Aug-14	40	No	INC	13	8:10	20:59
16	RT	Fast Start Unit Management	PG&E	Fresno	29-Aug-14	40	No	INC	8	14:15	21:59
17	RT	Fast Start Unit Management	PG&E	Fresno	30-Aug-14	50- 90	No	INC	17	6:45	22:59
18	RT	Fast Start Unit Management	PG&E	Fresno	31-Aug-14	50- 70	No	INC	14	7:50	20:59
19	RT	Fast Start Unit Management	PG&E	N/A	18-Aug-14	380	No	INC	9	13:10	21:59
20	RT	Incomplete or Inaccurate Transmission	PG&E	Sierra	5-Aug-14	45	No	INC	1	12:08	12:44

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
21	RT	Incomplete or Inaccurate Transmission	SCE	Big Creek-Ventura	2-Aug-14	200- 324	No	INC	4	2:40	6:34
22	RT	Incomplete or Inaccurate Transmission	SDG&E	San Diego-IV	26-Aug-14	44	No	INC	9	8:05	16:59
23	RT	Intertie Emergency Assistance	Intertie	N/A	13-Aug-14	100	No	INC	1	21:00	21:59
24	RT	Intertie Emergency Assistance	Intertie	N/A	16-Aug-14	120	No	INC	2	21:34	22:59
25	RT	Intertie Emergency Assistance	Intertie	N/A	23-Aug-14	150	No	INC	1	1:05	1:59
26	RT	Intertie Emergency Assistance	Intertie	N/A	29-Aug-14	70	No	INC	1	6:12	6:59
27	RT	Load Forecast Uncertainty	Intertie	N/A	21-Aug-14	100	No	INC	2	15:00	16:59
28	RT	Load Forecast Uncertainty	PG&E	Bay Area	1-Aug-14	45	No	INC	12	12:00	23:59
29	RT	Load Forecast Uncertainty	SCE	Big Creek-Ventura	1-Aug-14	20	No	INC	14	10:00	23:59
30	RT	Load Forecast Uncertainty	SCE	LA Basin	1-Aug-14	10	No	INC	15	9:00	23:59
31	RT	Load Forecast Uncertainty	SCE	LA Basin	25-Aug-14	25	Yes	INC	18	6:00	23:59
32	RT	Load Forecast Uncertainty	SCE	LA Basin	28-Aug-14	10	Yes	INC	21	3:00	23:59
33	RT	Load Forecast Uncertainty	SDG&E	San Diego-IV	2-Aug-14	20	No	INC	18	2:00	19:59
34	RT	Load Forecast Uncertainty	SDG&E	San Diego-IV	18-Aug-14	20- 40	No	INC	17	7:00	23:59
35	RT	Load Forecast Uncertainty	SDG&E	San Diego-IV	25-Aug-14	20	No	INC	18	6:00	23:59
36	RT	Load Pull	SDG&E	San Diego-IV	21-Aug-14	23	No	INC	4	15:25	18:59
37	RT	Market Disruption	PG&E	Fresno	28-Aug-14	300-1100	No	INC	1	15:27	15:44
38	RT	Operating Procedure Number and Constraint	PG&E	Fresno	1-Aug-14	20	No	INC	15	9:45	23:59
39	RT	Operating Procedure Number and Constraint	PG&E	Fresno	2-Aug-14	20- 40	No	INC	18	6:15	23:59
40	RT	Operating Procedure Number and Constraint	PG&E	Fresno	3-Aug-14	20- 40	No	INC	18	6:05	23:59
41	RT	Operating Procedure Number and Constraint	PG&E	Fresno	5-Aug-14	83	No	INC	1	22:00	22:59
42	RT	Operating Procedure Number and Constraint	PG&E	Fresno	7-Aug-14	20- 40	No	INC	17	3:40	19:59
43	RT	Operating Procedure Number and Constraint	PG&E	Fresno	8-Aug-14	20- 140	No	INC	15	7:20	21:59
44	RT	Operating Procedure Number and Constraint	PG&E	Fresno	9-Aug-14	20- 103	No	INC	10	12:40	21:59
45	RT	Operating Procedure Number and Constraint	PG&E	Fresno	10-Aug-14	20- 80	No	INC	16	8:00	23:54
46	RT	Operating Procedure Number and Constraint	PG&E	Fresno	11-Aug-14	40- 75	No	INC	13	9:40	21:59
47	RT	Operating Procedure Number and Constraint	PG&E	Fresno	12-Aug-14	83- 250	No	INC	9	13:15	21:59
48	RT	Operating Procedure Number and Constraint	PG&E	Fresno	14-Aug-14	40- 225	No	INC	15	3:30	17:59
49	RT	Operating Procedure Number and Constraint	PG&E	Fresno	17-Aug-14	83	No	INC	10	13:49	22:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
50	RT	Operating Procedure Number and Constraint	PG&E	Fresno	18-Aug-14	40	No	INC	18	4:00	21:59
51	RT	Operating Procedure Number and Constraint	PG&E	Fresno	19-Aug-14	40	No	INC	20	4:50	23:59
52	RT	Operating Procedure Number and Constraint	PG&E	Fresno	22-Aug-14	20- 640	No	INC	10	13:57	23:29
53	RT	Operating Procedure Number and Constraint	PG&E	Fresno	23-Aug-14	20	No	INC	9	13:40	21:59
54	RT	Operating Procedure Number and Constraint	PG&E	Fresno	27-Aug-14	40	No	INC	4	4:10	7:59
55	RT	Operating Procedure Number and Constraint	PG&E	Fresno	28-Aug-14	20- 190	No	INC	19	5:50	23:59
56	RT	Operating Procedure Number and Constraint	PG&E	Fresno	29-Aug-14	83- 166	Yes	INC	6	14:25	19:59
57	RT	Operating Procedure Number and Constraint	PG&E	Humboldt	4-Aug-14	25- 27	No	INC	3	20:15	22:59
58	RT	Operating Procedure Number and Constraint	PG&E	Humboldt	5-Aug-14	30	No	INC	2	21:40	22:59
59	RT	Operating Procedure Number and Constraint	PG&E	Humboldt	6-Aug-14	10- 30	No	INC	18	6:40	23:59
60	RT	Operating Procedure Number and Constraint	PG&E	Humboldt	7-Aug-14	8- 68	No	INC	24	0:00	23:59
61	RT	Operating Procedure Number and Constraint	PG&E	Humboldt	8-Aug-14	20- 40	No	INC	22	2:00	23:59
62	RT	Operating Procedure Number and Constraint	PG&E	Humboldt	9-Aug-14	15- 61	No	INC	24	0:00	23:59
63	RT	Operating Procedure Number and Constraint	PG&E	Humboldt	10-Aug-14	15- 30	No	INC	22	0:00	21:59
64	RT	Operating Procedure Number and Constraint	PG&E	Humboldt	12-Aug-14	30	No	INC	16	6:20	21:59
65	RT	Operating Procedure Number and Constraint	PG&E	Humboldt	20-Aug-14	16	No	INC	9	11:20	19:59
66	RT	Operating Procedure Number and Constraint	PG&E	Humboldt	22-Aug-14	30- 43	No	INC	15	6:20	20:59
67	RT	Operating Procedure Number and Constraint	PG&E	Humboldt	26-Aug-14	16	No	INC	11	6:25	17:09
68	RT	Operating Procedure Number and Constraint	PG&E	N/A	1-Aug-14	47	No	INC	13	9:50	21:59
69	RT	Operating Procedure Number and Constraint	PG&E	Sierra	1-Aug-14	20	No	INC	1	10:35	11:14
70	RT	Operating Procedure Number and Constraint	PG&E	Sierra	11-Aug-14	31	No	INC	3	15:25	17:29
71	RT	Operating Procedure Number and Constraint	PG&E	Sierra	16-Aug-14	25	No	INC	4	19:55	22:59
72	RT	Operating Procedure Number and Constraint	PG&E	Sierra	23-Aug-14	20	No	INC	7	15:25	21:59
73	RT	Operating Procedure Number and Constraint	PG&E	Sierra	24-Aug-14	20	No	INC	1	14:35	14:59
74	RT	Operating Procedure Number and Constraint	PG&E	Stockton	12-Aug-14	50- 75	No	INC	1	14:50	15:29
75	RT	Operating Procedure Number and Constraint	SCE	Big Creek-Ventura	2-Aug-14	49	No	INC	10	14:45	23:59
76	RT	Operating Procedure Number and Constraint	SCE	Big Creek-Ventura	4-Aug-14	50- 110	No	INC	3	20:15	22:59
77	RT	Operating Procedure Number and Constraint	SCE	Big Creek-Ventura	5-Aug-14	180- 250	No	INC	6	18:55	23:59
78	RT	Operating Procedure Number and Constraint	SCE	Big Creek-Ventura	6-Aug-14	200	No	INC	1	0:00	0:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
79	RT	Other Reliability Requirement	N/A	N/A	30-Aug-14	0	No	INC	3	16:10	18:59
80	RT	Other Reliability Requirement	PG&E	Bay Area	31-Aug-14	175	No	INC	12	11:00	22:59
81	RT	Other Reliability Requirement	PG&E	Fresno	6-Aug-14	94	No	INC	1	20:45	20:59
82	RT	Other Reliability Requirement	PG&E	Fresno	21-Aug-14	83- 300	No	INC	3	17:48	19:59
83	RT	Other Reliability Requirement	PG&E	Humboldt	11-Aug-14	24- 72	No	INC	12	12:10	23:29
84	RT	Other Reliability Requirement	PG&E	Humboldt	18-Aug-14	15	No	INC	5	17:30	21:59
85	RT	Other Reliability Requirement	PG&E	Humboldt	28-Aug-14	30	No	INC	5	16:55	21:24
86	RT	Other Reliability Requirement	PG&E	Humboldt	29-Aug-14	15- 45	No	INC	5	15:15	19:59
87	RT	Other Reliability Requirement	PG&E	NCNB	4-Aug-14	141	No	INC	10	3:35	12:59
88	RT	Other Reliability Requirement	SCE	Big Creek-Ventura	2-Aug-14	180- 200	No	INC	3	0:27	2:59
89	RT	Other Reliability Requirement	SCE	N/A	30-Aug-14	0	No	INC	3	16:10	18:59
90	RT	Other Reliability Requirement	SDG&E	San Diego-IV	17-Aug-14	20	No	INC	22	2:00	23:59
91	RT	Planned Transmission Outage and Constraint	PG&E	Bay Area	9-Aug-14	430- 460	No	INC	7	16:50	23:29
92	RT	Planned Transmission Outage and Constraint	PG&E	Bay Area	10-Aug-14	435- 460	No	INC	10	13:00	22:59
93	RT	Planned Transmission Outage and Constraint	PG&E	Bay Area	11-Aug-14	430- 450	No	INC	6	11:45	17:44
94	RT	Planned Transmission Outage and Constraint	PG&E	Fresno	2-Aug-14	250- 750	No	INC	5	17:20	21:29
95	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	25-Aug-14	30	No	INC	4	18:32	21:59
96	RT	Planned Transmission Outage and Constraint	PG&E	NCNB	6-Aug-14	202	No	INC	11	3:05	13:44
97	RT	Planned Transmission Outage and Constraint	PG&E	NCNB	7-Aug-14	102- 177	No	INC	13	5:45	18:29
98	RT	Planned Transmission Outage and Constraint	PG&E	NCNB	11-Aug-14	160	No	INC	4	9:00	12:59
99	RT	Planned Transmission Outage and Constraint	PG&E	NCNB	27-Aug-14	50- 70	No	INC	11	3:35	13:59
100	RT	Planned Transmission Outage and Constraint	PG&E	Sierra	18-Aug-14	0	No	INC	1	14:50	15:29
101	RT	Planned Transmission Outage and Constraint	PG&E	Stockton	12-Aug-14	50- 250	No	INC	7	15:00	21:59
102	RT	Planned Transmission Outage and Constraint	SCE	Big Creek-Ventura	2-Aug-14	49	No	INC	4	3:00	6:34
103	RT	Planned Transmission Outage and Constraint	SCE	LA Basin	15-Aug-14	10	No	INC	3	21:05	23:59
104	RT	Planned Transmission Outage and Constraint	SCE	LA Basin	18-Aug-14	10- 75	Yes	INC	13	11:00	23:59
105	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	4-Aug-14	305- 513	No	INC	3	21:45	23:59
106	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	5-Aug-14	600- 615	No	INC	2	4:55	6:29
107	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	13-Aug-14	40- 262	No	INC	15	7:00	21:59

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
108	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	16-Aug-14	16- 32	Yes	INC	3	10:55	12:59
109	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	22-Aug-14	48- 142	No	INC	2	13:45	15:29
110	RT	Planned Transmission Outage and Constraint	SDG&E	San Diego-IV	26-Aug-14	68- 200	No	INC	10	7:30	17:09
111	RT	Shutdown	PG&E	Sierra	14-Aug-14	0	No	INC	1	18:40	19:39
112	RT	Shutdown	SCE	LA Basin	16-Aug-14	0	No	INC	1	3:30	4:29
113	RT	Shutdown	SCE	LA Basin	20-Aug-14	0	No	INC	1	18:55	19:54
114	RT	Shutdown	SDG&E	San Diego-IV	12-Aug-14	0	No	INC	1	1:00	1:59
115	RT	Software Limitation	PG&E	Bay Area	31-Aug-14	561	No	INC	3	13:55	15:59
116	RT	Software Limitation	PG&E	Fresno	8-Aug-14	50	No	INC	1	17:25	18:19
117	RT	Software Limitation	PG&E	Fresno	9-Aug-14	40	No	INC	13	9:55	21:59
118	RT	Software Limitation	PG&E	N/A	12-Aug-14	47	No	INC	2	10:15	11:59
119	RT	Software Limitation	PG&E	Stockton	21-Aug-14	191	No	INC	2	19:25	21:19
120	RT	Software Limitation	SCE	LA Basin	18-Aug-14	0	No	INC	15	9:00	23:59
121	RT	Software Limitation	SDG&E	San Diego-IV	18-Aug-14	20	No	INC	1	12:30	13:09
122	RT	Start-Up Instructions	PG&E	Bay Area	25-Aug-14	0	No	INC	4	1:00	4:59
123	RT	Start-Up Instructions	PG&E	Fresno	6-Aug-14	40	No	INC	16	8:55	23:59
124	RT	Start-Up Instructions	PG&E	Fresno	12-Aug-14	0	No	INC	3	21:35	23:59
125	RT	Start-Up Instructions	PG&E	Fresno	16-Aug-14	336	No	INC	7	13:46	19:59
126	RT	Start-Up Instructions	PG&E	Fresno	19-Aug-14	0	No	INC	1	8:40	9:34
127	RT	Start-Up Instructions	PG&E	Fresno	24-Aug-14	0	No	INC	1	14:30	15:29
128	RT	Start-Up Instructions	PG&E	Humboldt	26-Aug-14	10	No	INC	18	6:30	23:59
129	RT	Start-Up Instructions	PG&E	Humboldt	30-Aug-14	10- 16	No	INC	2	22:30	23:59
130	RT	Start-Up Instructions	PG&E	Humboldt	31-Aug-14	16	No	INC	1	0:00	0:29
131	RT	Start-Up Instructions	SCE	Big Creek-Ventura	2-Aug-14	0	No	INC	2	7:00	8:59
132	RT	Start-Up Instructions	SCE	Big Creek-Ventura	9-Aug-14	0	No	INC	1	1:00	1:44
133	RT	Start-Up Instructions	SDG&E	San Diego-IV	21-Aug-14	0	No	INC	1	20:30	21:14
134	RT	Unit Testing	PG&E	Stockton	20-Aug-14	265	No	INC	3	7:00	9:59
135	RT	Unit Testing	PG&E	Stockton	21-Aug-14	225	No	INC	10	7:00	16:39
136	RT	Unplanned Outage	SCE	N/A	15-Aug-14	40	No	INC	24	0:05	0:04

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
137	RT	Voltage Support	PG&E	Humboldt	10-Aug-14	36	No	INC	2	22:37	23:59
138	RT	Voltage Support	PG&E	Humboldt	11-Aug-14	36- 72	No	INC	12	4:35	16:29
139	RT	Voltage Support	PG&E	Sierra	19-Aug-14	20	No	INC	7	4:26	10:59

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 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 2, 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 the inc and dec entries 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 15th day of October 2014.

/s/ Anna Pascuzzo
Anna Pascuzzo