



California Independent
System Operator Corporation

June 15, 2011

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

**Re: California Independent System Operator Corporation
Docket Nos. ER08-1178-___ and EL08-88-___
April 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 April 2011.

Respectfully submitted,

By: /s/ Sidney M. Davies

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



California ISO
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Exceptional Dispatch Report

Table 1: April 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 April 2011.

The Nature of Exceptional Dispatch

The ISO can issue exceptional dispatch instructions for a resource as a pre-day-ahead unit commitment, a post-day-ahead unit commitment, or a real-time exceptional 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 inertia emergency assistance. All reason codes starting with “G” refer to an ISO operating procedure for generation requirements and reason codes starting with “T” refer to an ISO operating procedure for transmission facilities. Most of the generation procedures are internal to the ISO and not available on the ISO website. All of the transmission procedures are available on the CAISO 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 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 April 2011, the ISO issued exceptional dispatches for the following local area generation requirement: (1) G-206, San Diego area generation requirements. Exceptional dispatch instructions were also issued for the following transmission management requirements: (1) T-129, transmission facilities in Fresno area; (2) T-132, transmission facilities in San Diego and Imperial Valley area; (3) T-135, Lugo-Victorville 500 kV Line and Sylmar Transformer Banks Operation; (4) T-138, transmission facilities in Humboldt area; 5) T-165, transmission facilities in Palermo Rio-Oso area; and (6) other transmission outages in PG&E, SCE and SDG&E area.

The following additional reasons for exceptional dispatch instructions in April 2011 were not related to specific generation or transmission operating procedures: (1) Software Limitation, when an exceptional dispatch instruction was used to bridge schedules across days for resources with a minimum down time of 24 hours, as the ISO software does not handle multi day commitment. (For instance, a resource has a day-ahead schedule from 0600 till 2300, and then is shut down in 2400. If this resource had a minimum down time of 24 hours and it is required the following day, then the ISO issues an exceptional dispatch to commit this resource in 2400 so that it can be dispatched economically in the following day. Software limitation reason was also used for exceptional dispatches to manually issue shut down instructions to a resource because of a temporary Automatic Dispatch System (“ADS”) failure, or similar issues.); (2) Market Disruption, when the exceptional dispatch instructions were issued due to HASP failures; and (3) Ramp Rate, when exceptional dispatch instructions were issued to dispatch a resource above its physical minimum to a level where the resource has significantly higher ramp rate capability. For example, a resource could have a ramp rate of 2 MW/min at its physical minimum of 100 MW, but a significantly higher ramp rate of 10 MW/min at 250 MW. The operators could issue an exceptional dispatch for this resource to be dispatched to 250 MW, so that the resource could respond to the anticipated steep load ramp or to a potential contingency. There were a few other reasons used to explain exceptional dispatch instructions in April, 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 323 exceptional dispatches in April 2011, increasing by 116 as compared to the May 16, 2011 report for March 2011. There were no exceptional dispatches in the day-ahead market. All exceptional dispatches in April were issued in the real-time market. Exceptional dispatches issued for the following reasons accounted for approximately 63 percent of the total exceptional dispatches during the reporting period: Transmission Outage PG&E, Software Limitation, Ramp Rate, and T-129.

Table 1: Exceptional Dispatches in April 2011

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

Chart 1: Table of Exceptional Dispatches for Period 01/April/2011 – 30/April/2011

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
1	RT	COI Mitigation	N/A	N/A	21-Apr-11	200	Yes	DEC	3	11:40	13:04
2	RT	COI Mitigation	N/A	N/A	23-Apr-11	200	Yes	INC	1	22:05	22:59
3	RT	COI Mitigation	N/A	N/A	24-Apr-11	160	Yes	INC	24	0:00	23:59
4	RT	COI Mitigation	PG&E	N/A	23-Apr-11	200	No	INC	3	21:49	23:35
5	RT	COI Mitigation	SDG&E	San Diego	24-Apr-11	200	No	INC	20	4:00	23:59
6	RT	Customer Request	SCE	LA Basin	29-Apr-11	0	Yes	INC	1	11:00	11:29
7	RT	Dispatchability	N/A	N/A	8-Apr-11	54	No	DEC	6	3:00	8:59
8	RT	Dispatchability	N/A	N/A	8-Apr-11	6- 138	No	INC	7	2:55	8:59
9	RT	Dispatchability	SDG&E	San Diego	6-Apr-11	63	No	INC	18	4:20	21:59
10	RT	G-206	SDG&E	San Diego	1-Apr-11	20	Yes	INC	7	0:00	6:59
11	RT	G-206	SDG&E	San Diego	2-Apr-11	12- 290	No	INC	9	0:40	8:09
12	RT	G-206	SDG&E	San Diego	6-Apr-11	200	Yes	INC	11	13:30	23:59
13	RT	G-206	SDG&E	San Diego	10-Apr-11	155	Yes	INC	5	2:00	6:59
14	RT	Generation Outage	N/A	N/A	7-Apr-11	0	No	INC	1	21:00	21:59
15	RT	Generation Outage	N/A	N/A	28-Apr-11	300	No	INC	2	19:45	20:59
16	RT	Generation Outage	PG&E	Fresno	28-Apr-11	407	No	INC	1	16:12	16:25
17	RT	Generation Outage	SCE	Big Creek-Ventura	28-Apr-11	200	No	INC	1	16:19	16:30
18	RT	Load Forecast Uncertainty	SDG&E	San Diego	23-Apr-11	137	No	DEC	9	10:40	18:59
19	RT	Load Forecast Uncertainty	SDG&E	San Diego	23-Apr-11	61- 81	No	INC	9	10:40	18:59
20	RT	Market Disruption	N/A	N/A	2-Apr-11	350	No	INC	1	6:00	6:59

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
21	RT	Over Generation	N/A	N/A	2-Apr-11	454	No	DEC	1	8:02	8:55
22	RT	Over Generation	PG&E	Bay Area	2-Apr-11	0	No	INC	1	8:11	8:59
23	RT	Over Generation	PG&E	Fresno	2-Apr-11	320- 871	No	DEC	3	7:58	9:10
24	RT	Over Generation	PG&E	Fresno	2-Apr-11	-320- 160	No	INC	4	6:00	9:10
25	RT	Over Generation	PG&E	Fresno	6-Apr-11	5- 320	No	DEC	2	5:55	6:04
26	RT	Over Generation	PG&E	Fresno	14-Apr-11	308	No	DEC	1	5:00	5:29
27	RT	Over Generation	PG&E	Fresno	26-Apr-11	5- 723	No	DEC	3	4:57	6:59
28	RT	Over Generation	PG&E	Fresno	27-Apr-11	10- 640	No	DEC	3	4:55	6:59
29	RT	Over Generation	PG&E	Fresno	27-Apr-11	0	No	INC	1	5:30	5:44
30	RT	Over Generation	PG&E	N/A	2-Apr-11	50	No	DEC	1	8:09	8:50
31	RT	Over Generation	PG&E	Sierra	2-Apr-11	243	No	DEC	1	8:09	8:50
32	RT	Over Generation	SCE	Big Creek-Ventura	2-Apr-11	202- 372	No	DEC	1	8:02	8:55
33	RT	Over Generation	SCE	Big Creek-Ventura	2-Apr-11	0	No	INC	1	8:19	8:59
34	RT	Over Generation	SCE	LA Basin	2-Apr-11	270	No	DEC	1	8:10	8:59
35	RT	Over Generation	SCE	LA Basin	2-Apr-11	0	No	INC	1	8:11	8:59
36	RT	Over Generation	SDG&E	N/A	2-Apr-11	65	No	DEC	1	8:19	8:59
37	RT	Over Generation	SDG&E	San Diego	2-Apr-11	123	No	INC	1	8:19	8:59
38	RT	Path 26	SCE	LA Basin	25-Apr-11	20	Yes	INC	21	3:00	23:59
39	RT	Path 26	SCE	LA Basin	26-Apr-11	20	Yes	INC	24	0:00	23:59
40	RT	Pump Management	PG&E	Fresno	6-Apr-11	0	No	INC	1	6:19	6:39
41	RT	Pump Management	PG&E	Fresno	19-Apr-11	0	No	INC	1	5:25	5:39
42	RT	Pump Management	PG&E	Fresno	22-Apr-11	83	No	DEC	2	5:25	6:24
43	RT	Pump Management	PG&E	Fresno	22-Apr-11	0	No	INC	2	5:15	6:24
44	RT	Ramp Rate	N/A	N/A	16-Apr-11	380	Yes	INC	3	18:30	20:59
45	RT	Ramp Rate	PG&E	Bay Area	16-Apr-11	380	No	INC	3	17:30	19:59
46	RT	Ramp Rate	SCE	LA Basin	9-Apr-11	146- 288	No	DEC	5	16:55	20:59
47	RT	Ramp Rate	SCE	LA Basin	9-Apr-11	103- 295	No	INC	5	16:55	20:59

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
48	RT	Ramp Rate	SCE	LA Basin	10-Apr-11	272- 288	No	DEC	3	18:40	20:59
49	RT	Ramp Rate	SCE	LA Basin	11-Apr-11	288	No	DEC	6	16:30	21:59
50	RT	Ramp Rate	SCE	LA Basin	11-Apr-11	103- 295	No	INC	6	16:30	21:59
51	RT	Ramp Rate	SCE	LA Basin	12-Apr-11	146	No	DEC	5	16:30	20:59
52	RT	Ramp Rate	SCE	LA Basin	12-Apr-11	15- 340	No	INC	5	16:00	20:59
53	RT	Ramp Rate	SCE	LA Basin	13-Apr-11	45- 85	No	DEC	5	16:30	20:59
54	RT	Ramp Rate	SCE	LA Basin	13-Apr-11	40- 340	No	INC	5	16:30	20:59
55	RT	Ramp Rate	SCE	LA Basin	14-Apr-11	64- 130	No	DEC	16	5:00	20:59
56	RT	Ramp Rate	SCE	LA Basin	14-Apr-11	50- 340	No	INC	16	5:00	20:59
57	RT	Ramp Rate	SCE	LA Basin	16-Apr-11	147	No	DEC	5	16:45	20:59
58	RT	Ramp Rate	SCE	LA Basin	16-Apr-11	170- 215	No	INC	5	16:40	20:59
59	RT	Ramp Rate	SCE	LA Basin	18-Apr-11	96- 161	No	DEC	12	9:50	20:59
60	RT	Ramp Rate	SCE	LA Basin	18-Apr-11	40- 215	No	INC	12	9:50	20:59
61	RT	Ramp Rate	SCE	LA Basin	19-Apr-11	74- 215	No	INC	15	6:30	20:59
62	RT	Ramp Rate	SCE	LA Basin	20-Apr-11	88	Yes	DEC	4	17:05	20:34
63	RT	Ramp Rate	SCE	LA Basin	20-Apr-11	119- 320	Yes	INC	4	17:05	20:34
64	RT	Ramp Rate	SCE	LA Basin	21-Apr-11	88- 288	No	DEC	8	16:35	23:59
65	RT	Ramp Rate	SCE	LA Basin	21-Apr-11	74- 340	No	INC	8	16:35	23:59
66	RT	Ramp Rate	SCE	LA Basin	22-Apr-11	244- 340	No	INC	5	16:15	20:29
67	RT	Ramp Rate	SCE	LA Basin	28-Apr-11	340	No	INC	5	16:23	20:59
68	RT	Ramp Rate	SCE	LA Basin	29-Apr-11	71	No	INC	3	18:49	20:59
69	RT	Ramp Rate	SDG&E	San Diego	16-Apr-11	63	No	INC	5	16:50	20:59
70	RT	Ramp Rate	SDG&E	San Diego	30-Apr-11	68	No	INC	4	18:40	21:59
71	RT	SDG&E Import	PG&E	Fresno	1-Apr-11	96	Yes	INC	2	16:47	17:29
72	RT	SDG&E Import	PG&E	N/A	1-Apr-11	380	No	INC	2	16:46	17:29
73	RT	SDG&E Import	SDG&E	San Diego	12-Apr-11	45	No	INC	1	21:05	21:39
74	RT	SP26 Capacity	SCE	LA Basin	29-Apr-11	300	No	INC	8	12:00	19:59
75	RT	SP26 Capacity	SCE	N/A	30-Apr-11	40- 80	Yes	INC	14	7:00	20:59
76	RT	SP26 Capacity	SDG&E	San Diego	30-Apr-11	20	Yes	INC	4	15:00	18:09

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
77	RT	Software Limitation	N/A	N/A	1-Apr-11	380	Yes	INC	2	17:20	18:04
78	RT	Software Limitation	N/A	N/A	6-Apr-11	261	Yes	DEC	1	7:50	7:54
79	RT	Software Limitation	N/A	N/A	6-Apr-11	0	Yes	INC	1	8:00	8:59
80	RT	Software Limitation	N/A	N/A	8-Apr-11	0	Yes	INC	2	19:50	20:19
81	RT	Software Limitation	N/A	N/A	13-Apr-11	185	No	INC	2	9:07	10:26
82	RT	Software Limitation	N/A	N/A	14-Apr-11	185	Yes	INC	19	5:25	23:59
83	RT	Software Limitation	N/A	N/A	19-Apr-11	200	No	DEC	1	22:09	22:16
84	RT	Software Limitation	N/A	N/A	19-Apr-11	0	No	INC	1	22:04	22:20
85	RT	Software Limitation	N/A	N/A	22-Apr-11	22	Yes	INC	18	6:45	23:59
86	RT	Software Limitation	N/A	N/A	24-Apr-11	185	Yes	INC	6	13:50	18:59
87	RT	Software Limitation	N/A	N/A	25-Apr-11	413- 523	No	DEC	6	6:30	11:29
88	RT	Software Limitation	N/A	N/A	25-Apr-11	0	No	INC	6	6:25	11:29
89	RT	Software Limitation	N/A	N/A	27-Apr-11	1	Yes	DEC	8	13:35	20:59
90	RT	Software Limitation	N/A	N/A	27-Apr-11	32	Yes	INC	10	11:10	20:59
91	RT	Software Limitation	PG&E	Bay Area	6-Apr-11	20	Yes	INC	2	10:30	11:56
92	RT	Software Limitation	PG&E	Bay Area	14-Apr-11	260	No	INC	2	21:30	22:29
93	RT	Software Limitation	PG&E	Bay Area	19-Apr-11	0	No	INC	1	22:02	22:18
94	RT	Software Limitation	PG&E	Bay Area	28-Apr-11	0	Yes	INC	2	6:30	7:29
95	RT	Software Limitation	PG&E	Bay Area	29-Apr-11	0	No	INC	2	0:25	1:24
96	RT	Software Limitation	PG&E	Fresno	1-Apr-11	96	Yes	INC	15	4:30	18:04
97	RT	Software Limitation	PG&E	Fresno	4-Apr-11	0	Yes	DEC	2	12:50	13:19
98	RT	Software Limitation	PG&E	Fresno	4-Apr-11	0	No	INC	1	5:15	5:44
99	RT	Software Limitation	PG&E	Fresno	5-Apr-11	0	No	INC	2	5:56	6:29
100	RT	Software Limitation	PG&E	Fresno	6-Apr-11	111	Yes	INC	2	10:30	11:49
101	RT	Software Limitation	PG&E	Fresno	10-Apr-11	0	No	DEC	1	9:00	9:31
102	RT	Software Limitation	PG&E	Fresno	10-Apr-11	0	No	INC	1	8:25	8:59
103	RT	Software Limitation	PG&E	Fresno	11-Apr-11	0	No	INC	18	5:45	22:59
104	RT	Software Limitation	PG&E	Fresno	12-Apr-11	0	Yes	DEC	2	19:30	20:14
105	RT	Software Limitation	PG&E	Fresno	13-Apr-11	83	No	DEC	3	21:40	23:29

Department of Market Services – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
106	RT	Software Limitation	PG&E	Fresno	13-Apr-11	0	No	INC	2	22:30	23:29
107	RT	Software Limitation	PG&E	Fresno	14-Apr-11	0	No	INC	1	5:15	5:59
108	RT	Software Limitation	PG&E	Fresno	15-Apr-11	0	Yes	DEC	1	6:10	6:59
109	RT	Software Limitation	PG&E	Fresno	15-Apr-11	0	Yes	INC	1	5:00	5:59
110	RT	Software Limitation	PG&E	Fresno	17-Apr-11	308	No	DEC	2	7:46	8:19
111	RT	Software Limitation	PG&E	Fresno	17-Apr-11	7	No	INC	2	7:46	8:19
112	RT	Software Limitation	PG&E	Fresno	18-Apr-11	0	No	INC	1	5:00	5:54
113	RT	Software Limitation	PG&E	Fresno	19-Apr-11	0	No	DEC	2	21:40	22:29
114	RT	Software Limitation	PG&E	Fresno	19-Apr-11	83	No	INC	2	21:40	22:29
115	RT	Software Limitation	PG&E	Fresno	21-Apr-11	0	No	INC	1	23:00	23:59
116	RT	Software Limitation	PG&E	Fresno	22-Apr-11	0	No	INC	1	23:25	23:54
117	RT	Software Limitation	PG&E	Fresno	25-Apr-11	0	Yes	DEC	2	7:30	8:14
118	RT	Software Limitation	PG&E	Fresno	25-Apr-11	0	Yes	INC	2	5:00	6:14
119	RT	Software Limitation	PG&E	Fresno	28-Apr-11	57- 109	Yes	INC	2	16:10	17:09
120	RT	Software Limitation	PG&E	Fresno	29-Apr-11	0	Yes	INC	2	0:25	1:24
121	RT	Software Limitation	PG&E	Fresno	30-Apr-11	0	No	INC	1	8:00	8:44
122	RT	Software Limitation	PG&E	N/A	13-Apr-11	30- 69	Yes	DEC	2	4:30	5:14
123	RT	Software Limitation	PG&E	N/A	13-Apr-11	30	Yes	INC	2	4:30	5:14
124	RT	Software Limitation	PG&E	N/A	19-Apr-11	100	No	INC	1	22:15	22:51
125	RT	Software Limitation	PG&E	N/A	23-Apr-11	30- 86	Yes	DEC	8	1:00	8:59
126	RT	Software Limitation	PG&E	N/A	26-Apr-11	47	No	INC	1	8:09	8:59
127	RT	Software Limitation	PG&E	Sierra	23-Apr-11	10- 30	Yes	INC	15	9:25	23:59
128	RT	Software Limitation	PG&E	Sierra	25-Apr-11	20- 30	Yes	INC	2	5:05	6:59
129	RT	Software Limitation	PG&E	Stockton	19-Apr-11	10	No	INC	2	22:45	23:59
130	RT	Software Limitation	PG&E	Stockton	21-Apr-11	5	No	INC	2	0:00	1:19
131	RT	Software Limitation	PG&E	Stockton	28-Apr-11	22	Yes	INC	2	16:20	17:09
132	RT	Software Limitation	SCE	Big Creek-Ventura	19-Apr-11	50	No	DEC	1	22:02	22:18
133	RT	Software Limitation	SCE	Big Creek-	28-Apr-11	174	Yes	INC	7	16:20	22:09

Department of Market Services – California ISO

Num ber	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commi tment	INC_DEC	Hours	Begin Time	End Time
				Ventura							
134	RT	Software Limitation	SCE	LA Basin	4-Apr-11	0	No	INC	2	6:15	7:14
135	RT	Software Limitation	SCE	LA Basin	22-Apr-11	161	No	DEC	2	22:46	23:16
136	RT	Software Limitation	SCE	LA Basin	23-Apr-11	18	No	DEC	5	19:00	23:59
137	RT	Software Limitation	SCE	LA Basin	24-Apr-11	18	No	DEC	24	0:00	23:59
138	RT	Software Limitation	SCE	LA Basin	25-Apr-11	18	No	DEC	24	0:00	23:59
139	RT	Software Limitation	SCE	LA Basin	25-Apr-11	40- 84	Yes	INC	17	7:13	23:14
140	RT	Software Limitation	SCE	LA Basin	26-Apr-11	18	No	DEC	17	7:00	23:59
141	RT	Software Limitation	SCE	LA Basin	27-Apr-11	0	No	INC	24	0:00	23:59
142	RT	Software Limitation	SCE	LA Basin	28-Apr-11	171	Yes	INC	8	16:10	23:29
143	RT	Software Limitation	SCE	LA Basin	29-Apr-11	0	Yes	INC	16	0:25	15:49
144	RT	Software Limitation	SDG&E	San Diego	1-Apr-11	44- 361	Yes	INC	4	15:06	18:09
145	RT	Software Limitation	SDG&E	San Diego	4-Apr-11	215- 216	No	DEC	2	9:13	10:23
146	RT	Software Limitation	SDG&E	San Diego	4-Apr-11	18	Yes	INC	2	17:30	18:24
147	RT	Software Limitation	SDG&E	San Diego	12-Apr-11	0	Yes	INC	17	0:00	16:09
148	RT	Software Limitation	SDG&E	San Diego	14-Apr-11	200	Yes	INC	1	23:45	23:59
149	RT	Software Limitation	SDG&E	San Diego	15-Apr-11	0	Yes	INC	1	0:00	0:29
150	RT	Software Limitation	SDG&E	San Diego	28-Apr-11	72	Yes	INC	6	16:10	21:19
151	RT	Software Limitation	SDG&E	San Diego	29-Apr-11	0	Yes	INC	2	0:30	1:29
152	RT	System Energy	N/A	N/A	5-Apr-11	150	Yes	INC	1	1:00	1:59
153	RT	System Energy	N/A	N/A	7-Apr-11	200- 500	Yes	INC	3	21:00	23:59
154	RT	System Energy	N/A	N/A	9-Apr-11	525	Yes	INC	1	23:00	23:59
155	RT	System Energy	N/A	N/A	12-Apr-11	1190	Yes	INC	1	7:00	7:59
156	RT	System Energy	N/A	N/A	15-Apr-11	300- 370	Yes	INC	24	0:00	23:59
157	RT	System Energy	N/A	N/A	16-Apr-11	353-1185	Yes	INC	5	18:00	22:59
158	RT	System Energy	N/A	N/A	17-Apr-11	400	No	INC	1	19:00	19:59
159	RT	System Energy	N/A	N/A	18-Apr-11	250	Yes	INC	1	16:00	16:59
160	RT	System Energy	N/A	N/A	20-Apr-11	1194	Yes	INC	1	6:00	6:59
161	RT	System Energy	N/A	N/A	21-Apr-11	350	Yes	INC	1	1:00	1:59

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
162	RT	System Energy	N/A	N/A	24-Apr-11	309	Yes	INC	1	7:00	7:59
163	RT	System Energy	N/A	N/A	27-Apr-11	300	Yes	INC	1	9:00	9:59
164	RT	System Energy	N/A	N/A	28-Apr-11	50-1039	Yes	INC	9	13:00	21:59
165	RT	System Energy	N/A	N/A	29-Apr-11	150	No	DEC	1	13:00	13:59
166	RT	System Energy	N/A	N/A	29-Apr-11	192- 300	Yes	INC	2	12:00	13:59
167	RT	System Energy	N/A	N/A	30-Apr-11	550	Yes	INC	1	1:00	1:59
168	RT	System Reliability	PG&E	Bay Area	4-Apr-11	40	No	INC	1	12:06	12:44
169	RT	System Reliability	PG&E	Bay Area	23-Apr-11	45	Yes	INC	9	15:30	23:59
170	RT	System Reliability	PG&E	Bay Area	24-Apr-11	45	Yes	INC	15	9:00	23:59
171	RT	System Reliability	PG&E	Bay Area	25-Apr-11	45	Yes	INC	24	0:00	23:59
172	RT	System Reliability	SCE	Big Creek-Ventura	6-Apr-11	65- 300	Yes	INC	12	8:30	19:59
173	RT	System Reliability	SCE	LA Basin	24-Apr-11	20	Yes	INC	13	11:30	23:59
174	RT	System Reliability	SDG&E	San Diego	25-Apr-11	20- 40	Yes	INC	18	6:00	23:59
175	RT	System Reliability	SDG&E	San Diego	26-Apr-11	40	Yes	INC	21	0:00	20:59
176	RT	T-129	PG&E	Fresno	1-Apr-11	9- 24	No	DEC	24	0:30	23:59
177	RT	T-129	PG&E	Fresno	2-Apr-11	19	No	DEC	24	0:00	23:59
178	RT	T-129	PG&E	Fresno	3-Apr-11	19	No	DEC	24	0:00	23:59
179	RT	T-129	PG&E	Fresno	4-Apr-11	19	No	DEC	24	0:00	23:59
180	RT	T-129	PG&E	Fresno	5-Apr-11	0	No	INC	24	0:00	23:59
181	RT	T-129	PG&E	Fresno	13-Apr-11	5- 15	No	DEC	13	8:25	20:34
182	RT	T-129	PG&E	Fresno	13-Apr-11	0	No	INC	1	20:35	20:59
183	RT	T-129	PG&E	Fresno	14-Apr-11	5- 10	No	DEC	17	7:24	23:59
184	RT	T-129	PG&E	Fresno	15-Apr-11	10	No	DEC	21	0:10	20:24
185	RT	T-129	PG&E	Fresno	15-Apr-11	4	No	INC	4	20:25	23:59
186	RT	T-129	PG&E	Fresno	16-Apr-11	5	No	DEC	5	4:30	8:54
187	RT	T-129	PG&E	Fresno	16-Apr-11	5	No	INC	13	8:55	20:59
188	RT	T-129	PG&E	Fresno	17-Apr-11	5	No	INC	24	0:00	23:59
189	RT	T-129	PG&E	Fresno	18-Apr-11	2- 20	No	DEC	24	0:00	23:59

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Num ber	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commi tment	INC_DEC	Hours	Begin Time	End Time
190	RT	T-129	PG&E	Fresno	19-Apr-11	2- 7	No	DEC	8	0:00	7:14
191	RT	T-129	PG&E	Fresno	19-Apr-11	2- 6	No	INC	17	7:15	23:59
192	RT	T-129	PG&E	Fresno	20-Apr-11	3	No	DEC	12	0:10	11:19
193	RT	T-129	PG&E	Fresno	20-Apr-11	3- 5	No	INC	13	11:20	23:59
194	RT	T-129	PG&E	Fresno	21-Apr-11	1- 5	No	DEC	13	0:25	12:04
195	RT	T-129	PG&E	Fresno	21-Apr-11	1	No	INC	12	12:05	23:59
196	RT	T-129	PG&E	Fresno	25-Apr-11	5- 10	No	DEC	24	0:25	23:04
197	RT	T-129	PG&E	Fresno	26-Apr-11	5	No	DEC	24	0:00	23:59
198	RT	T-129	PG&E	Fresno	27-Apr-11	8	No	INC	13	8:00	20:59
199	RT	T-129	PG&E	Fresno	28-Apr-11	5	No	DEC	10	6:30	15:44
200	RT	T-129	PG&E	Fresno	28-Apr-11	0	No	INC	6	15:45	20:59
201	RT	T-132	SDG&E	San Diego	1-Apr-11	246- 341	Yes	INC	2	16:40	17:29
202	RT	T-132	SDG&E	San Diego	12-Apr-11	45- 125	No	INC	3	19:35	21:19
203	RT	T-135	N/A	N/A	26-Apr-11	300	Yes	INC	10	11:40	20:29
204	RT	T-135	SCE	LA Basin	26-Apr-11	300	No	INC	1	11:40	11:59
205	RT	T-135	SCE	LA Basin	29-Apr-11	150	No	INC	5	10:31	14:59
206	RT	T-138	N/A	N/A	3-Apr-11	29	No	INC	2	22:05	23:59
207	RT	T-138	PG&E	Humboldt	2-Apr-11	43- 72	No	INC	3	20:37	22:59
208	RT	T-138	PG&E	Humboldt	3-Apr-11	29	No	INC	3	21:40	23:59
209	RT	T-165	PG&E	Sierra	23-Apr-11	20	Yes	INC	9	1:25	9:24
210	RT	T-165	PG&E	Sierra	24-Apr-11	20	Yes	INC	14	10:15	23:59
211	RT	T-165	PG&E	Sierra	25-Apr-11	20- 25	Yes	INC	2	4:53	5:49
212	RT	Transmission Mitigation	PG&E	Sierra	27-Apr-11	30- 46	Yes	INC	12	12:55	23:59
213	RT	Transmission Mitigation	PG&E	Sierra	28-Apr-11	20- 46	Yes	INC	24	0:00	23:59
214	RT	Transmission Mitigation	PG&E	Sierra	29-Apr-11	20- 40	Yes	INC	23	0:00	22:44
215	RT	Transmission Mitigation	PG&E	Sierra	30-Apr-11	20- 30	Yes	INC	15	8:00	22:49
216	RT	Transmission Mitigation	PG&E	Stockton	11-Apr-11	21- 25	No	DEC	3	21:15	23:19
217	RT	Transmission Mitigation	PG&E	Stockton	29-Apr-11	7- 27	No	DEC	4	17:15	20:59
218	RT	Transmission Mitigation	PG&E	Stockton	30-Apr-11	4- 5	No	DEC	5	7:55	11:09

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Num ber	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commi tment	INC_DEC	Hours	Begin Time	End Time
219	RT	Transmission Outage PG&E	N/A	N/A	12-Apr-11	1- 4	Yes	DEC	12	8:15	19:24
220	RT	Transmission Outage PG&E	N/A	N/A	12-Apr-11	13- 93	Yes	INC	13	7:55	19:24
221	RT	Transmission Outage PG&E	N/A	N/A	25-Apr-11	1- 4	Yes	DEC	17	7:30	23:59
222	RT	Transmission Outage PG&E	N/A	N/A	25-Apr-11	1- 45	Yes	INC	17	7:30	23:59
223	RT	Transmission Outage PG&E	PG&E	Bay Area	8-Apr-11	500	No	INC	3	10:45	12:49
224	RT	Transmission Outage PG&E	PG&E	Bay Area	13-Apr-11	140- 170	No	INC	6	10:49	15:29
225	RT	Transmission Outage PG&E	PG&E	Bay Area	14-Apr-11	380- 440	No	INC	10	11:47	20:59
226	RT	Transmission Outage PG&E	PG&E	Fresno	3-Apr-11	83- 403	No	DEC	8	8:02	15:14
227	RT	Transmission Outage PG&E	PG&E	Humboldt	12-Apr-11	48- 96	No	INC	13	7:40	19:09
228	RT	Transmission Outage PG&E	PG&E	Humboldt	20-Apr-11	29	No	INC	4	19:55	22:59
229	RT	Transmission Outage PG&E	PG&E	Humboldt	25-Apr-11	15- 64	No	INC	17	7:15	23:59
230	RT	Transmission Outage PG&E	PG&E	Humboldt	26-Apr-11	32- 64	No	INC	15	0:00	14:19
231	RT	Transmission Outage PG&E	PG&E	N/A	28-Apr-11	7	No	DEC	1	9:10	9:34
232	RT	Transmission Outage PG&E	PG&E	Sierra	1-Apr-11	10	Yes	DEC	4	15:32	18:29
233	RT	Transmission Outage PG&E	PG&E	Sierra	1-Apr-11	21	Yes	INC	2	20:40	21:59
234	RT	Transmission Outage PG&E	PG&E	Sierra	8-Apr-11	2- 48	Yes	DEC	9	13:21	21:59
235	RT	Transmission Outage PG&E	PG&E	Sierra	8-Apr-11	13	Yes	INC	9	13:21	21:59
236	RT	Transmission Outage PG&E	PG&E	Sierra	20-Apr-11	7	Yes	DEC	9	9:30	17:30
237	RT	Transmission Outage PG&E	PG&E	Stockton	1-Apr-11	5- 40	No	DEC	24	0:00	23:59
238	RT	Transmission Outage PG&E	PG&E	Stockton	1-Apr-11	25	No	INC	24	0:10	23:59
239	RT	Transmission Outage PG&E	PG&E	Stockton	2-Apr-11	5- 35	No	DEC	24	0:00	23:59
240	RT	Transmission Outage PG&E	PG&E	Stockton	2-Apr-11	67	No	INC	24	0:00	23:59
241	RT	Transmission Outage PG&E	PG&E	Stockton	3-Apr-11	10- 35	No	DEC	24	0:00	23:59
242	RT	Transmission Outage PG&E	PG&E	Stockton	3-Apr-11	5- 50	No	INC	12	0:00	11:59
243	RT	Transmission Outage PG&E	PG&E	Stockton	4-Apr-11	1- 30	No	DEC	24	0:00	23:59
244	RT	Transmission Outage PG&E	PG&E	Stockton	4-Apr-11	1- 50	No	INC	24	0:00	23:59
245	RT	Transmission Outage PG&E	PG&E	Stockton	5-Apr-11	1- 20	No	DEC	24	0:00	23:59
246	RT	Transmission Outage PG&E	PG&E	Stockton	5-Apr-11	4- 80	No	INC	24	0:00	23:59
247	RT	Transmission Outage PG&E	PG&E	Stockton	6-Apr-11	1- 33	No	DEC	24	0:15	23:59

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Num ber	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commi tment	INC_DEC	Hours	Begin Time	End Time
248	RT	Transmission Outage PG&E	PG&E	Stockton	6-Apr-11	1- 50	No	INC	23	0:50	22:19
249	RT	Transmission Outage PG&E	PG&E	Stockton	7-Apr-11	2- 36	No	DEC	24	0:10	23:59
250	RT	Transmission Outage PG&E	PG&E	Stockton	7-Apr-11	35	No	INC	24	0:10	23:59
251	RT	Transmission Outage PG&E	PG&E	Stockton	8-Apr-11	4- 29	No	DEC	24	0:00	23:59
252	RT	Transmission Outage PG&E	PG&E	Stockton	8-Apr-11	45	No	INC	24	0:00	23:59
253	RT	Transmission Outage PG&E	PG&E	Stockton	9-Apr-11	3- 36	No	DEC	24	0:00	23:59
254	RT	Transmission Outage PG&E	PG&E	Stockton	9-Apr-11	23	No	INC	24	0:05	23:34
255	RT	Transmission Outage PG&E	PG&E	Stockton	10-Apr-11	11- 36	No	DEC	24	0:00	23:59
256	RT	Transmission Outage PG&E	PG&E	Stockton	10-Apr-11	25	No	INC	24	0:00	23:59
257	RT	Transmission Outage PG&E	PG&E	Stockton	11-Apr-11	0- 36	No	DEC	24	0:00	23:59
258	RT	Transmission Outage PG&E	PG&E	Stockton	11-Apr-11	35	No	INC	22	0:00	21:59
259	RT	Transmission Outage PG&E	PG&E	Stockton	12-Apr-11	24- 41	No	DEC	24	0:00	23:59
260	RT	Transmission Outage PG&E	PG&E	Stockton	12-Apr-11	20	No	INC	24	0:00	23:59
261	RT	Transmission Outage PG&E	PG&E	Stockton	13-Apr-11	10- 36	No	DEC	24	0:10	23:59
262	RT	Transmission Outage PG&E	PG&E	Stockton	13-Apr-11	50	No	INC	24	0:10	23:59
263	RT	Transmission Outage PG&E	PG&E	Stockton	14-Apr-11	1- 32	No	DEC	24	0:00	23:59
264	RT	Transmission Outage PG&E	PG&E	Stockton	14-Apr-11	70	No	INC	24	0:00	23:59
265	RT	Transmission Outage PG&E	PG&E	Stockton	15-Apr-11	10- 41	No	DEC	24	0:00	23:59
266	RT	Transmission Outage PG&E	PG&E	Stockton	15-Apr-11	20	No	INC	24	0:00	23:39
267	RT	Transmission Outage PG&E	PG&E	Stockton	16-Apr-11	11- 36	No	DEC	24	0:00	23:59
268	RT	Transmission Outage PG&E	PG&E	Stockton	16-Apr-11	25	No	INC	24	0:00	23:59
269	RT	Transmission Outage PG&E	PG&E	Stockton	17-Apr-11	12- 36	No	DEC	24	0:00	23:59
270	RT	Transmission Outage PG&E	PG&E	Stockton	17-Apr-11	30	No	INC	24	0:00	23:59
271	RT	Transmission Outage PG&E	PG&E	Stockton	18-Apr-11	20- 46	No	DEC	24	0:00	23:59
272	RT	Transmission Outage PG&E	PG&E	Stockton	18-Apr-11	25	No	INC	24	0:00	23:14
273	RT	Transmission Outage PG&E	PG&E	Stockton	19-Apr-11	26- 46	No	DEC	24	0:00	23:59
274	RT	Transmission Outage PG&E	PG&E	Stockton	19-Apr-11	14- 35	No	INC	14	9:40	22:44
275	RT	Transmission Outage PG&E	PG&E	Stockton	20-Apr-11	19- 46	No	DEC	24	0:00	23:59
276	RT	Transmission Outage PG&E	PG&E	Stockton	20-Apr-11	30	No	INC	24	0:00	23:59

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
277	RT	Transmission Outage PG&E	PG&E	Stockton	21-Apr-11	24- 47	No	DEC	24	0:00	23:59
278	RT	Transmission Outage PG&E	PG&E	Stockton	21-Apr-11	25	No	INC	23	1:20	23:59
279	RT	Transmission Outage PG&E	PG&E	Stockton	22-Apr-11	16- 42	No	DEC	24	0:20	23:59
280	RT	Transmission Outage PG&E	PG&E	Stockton	22-Apr-11	20	No	INC	24	0:00	23:59
281	RT	Transmission Outage PG&E	PG&E	Stockton	23-Apr-11	3- 22	No	DEC	24	0:00	23:59
282	RT	Transmission Outage PG&E	PG&E	Stockton	23-Apr-11	20	No	INC	24	0:00	23:59
283	RT	Transmission Outage PG&E	PG&E	Stockton	24-Apr-11	5- 32	No	DEC	24	0:10	23:59
284	RT	Transmission Outage PG&E	PG&E	Stockton	24-Apr-11	55	No	INC	24	0:10	23:59
285	RT	Transmission Outage PG&E	PG&E	Stockton	25-Apr-11	15- 42	No	DEC	24	0:00	23:59
286	RT	Transmission Outage PG&E	PG&E	Stockton	25-Apr-11	40	No	INC	24	0:00	23:59
287	RT	Transmission Outage PG&E	PG&E	Stockton	26-Apr-11	10- 42	No	DEC	24	0:00	23:59
288	RT	Transmission Outage PG&E	PG&E	Stockton	26-Apr-11	40	No	INC	24	0:00	23:59
289	RT	Transmission Outage PG&E	PG&E	Stockton	27-Apr-11	5- 42	No	DEC	24	0:15	23:59
290	RT	Transmission Outage PG&E	PG&E	Stockton	27-Apr-11	35	No	INC	24	0:15	23:59
291	RT	Transmission Outage PG&E	PG&E	Stockton	28-Apr-11	5- 33	No	DEC	24	0:00	23:59
292	RT	Transmission Outage PG&E	PG&E	Stockton	28-Apr-11	5- 40	No	INC	24	0:00	23:59
293	RT	Transmission Outage PG&E	PG&E	Stockton	29-Apr-11	9- 27	No	DEC	17	0:00	16:19
294	RT	Transmission Outage PG&E	PG&E	Stockton	29-Apr-11	40	No	INC	17	0:00	16:19
295	RT	Transmission Outage PG&E	PG&E	Stockton	30-Apr-11	5- 40	No	DEC	13	11:10	23:59
296	RT	Transmission Outage SCE	N/A	N/A	25-Apr-11	185	Yes	INC	11	12:00	22:59
297	RT	Transmission Outage SCE	N/A	N/A	26-Apr-11	185	Yes	INC	7	16:00	22:59
298	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	1-Apr-11	156- 237	No	INC	5	14:45	18:59
299	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	2-Apr-11	29- 79	No	DEC	3	12:05	14:14
300	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	2-Apr-11	121- 171	No	INC	2	11:15	12:04
301	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	3-Apr-11	121- 188	No	INC	3	18:23	20:59
302	RT	Transmission Outage SCE	SCE	Big Creek-	6-Apr-11	218	No	DEC	4	10:00	13:59

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time
				Ventura							
303	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	7-Apr-11	218	No	DEC	4	10:45	13:59
304	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	12-Apr-11	193	No	DEC	3	9:26	11:06
305	RT	Transmission Outage SCE	SCE	N/A	14-Apr-11	22- 32	Yes	DEC	3	12:25	14:09
306	RT	Transmission Outage SCE	SCE	N/A	14-Apr-11	123	Yes	INC	3	12:25	14:09
307	RT	Transmission Outage SDG&E	N/A	N/A	12-Apr-11	22	Yes	INC	3	13:15	15:49
308	RT	Transmission Outage SDG&E	N/A	N/A	18-Apr-11	45	Yes	INC	17	7:40	23:59
309	RT	Transmission Outage SDG&E	N/A	N/A	19-Apr-11	45	Yes	INC	19	0:00	18:54
310	RT	Transmission Outage SDG&E	N/A	N/A	23-Apr-11	22	Yes	INC	14	0:00	13:49
311	RT	Transmission Outage SDG&E	SDG&E	San Diego	4-Apr-11	18	Yes	INC	7	11:17	17:04
312	RT	Transmission Outage SDG&E	SDG&E	San Diego	5-Apr-11	18	Yes	INC	2	10:50	11:49
313	RT	Transmission Outage SDG&E	SDG&E	San Diego	6-Apr-11	13- 85	No	DEC	12	11:30	22:04
314	RT	Transmission Outage SDG&E	SDG&E	San Diego	6-Apr-11	1- 362	Yes	INC	16	7:15	22:04
315	RT	Transmission Outage SDG&E	SDG&E	San Diego	7-Apr-11	10- 312	No	DEC	21	0:00	20:19
316	RT	Transmission Outage SDG&E	SDG&E	San Diego	7-Apr-11	5- 139	No	INC	20	0:00	19:04
317	RT	Transmission Outage SDG&E	SDG&E	San Diego	12-Apr-11	17- 275	Yes	INC	6	11:06	16:59
318	RT	Unit Testing	N/A	N/A	13-Apr-11	0	No	INC	1	13:00	13:31
319	RT	Unit Testing	PG&E	Bay Area	12-Apr-11	60- 94	No	INC	2	9:59	10:23
320	RT	Unit Testing	PG&E	Fresno	29-Apr-11	52	Yes	INC	2	8:30	9:59
321	RT	Unit Testing	PG&E	N/A	15-Apr-11	150- 250	Yes	INC	5	10:10	14:29
322	RT	Unit Testing	SCE	LA Basin	21-Apr-11	130- 250	Yes	INC	17	4:05	20:14
323	RT	Unit Testing	SCE	LA Basin	22-Apr-11	250	No	INC	17	1:55	17:54

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 shows hour ending 5 as this was the hour ending for first dispatch of the day, and the End Time shows hour ending 23, as this was the hour with last dispatch. It is also possible that there might be some hours between the begin time and the end time where there might not be exceptional dispatch instructions for the given reason, meaning that the range between the begin time and end time can include null hours with no dispatch.

Table 3: FERC Summary of Instructions Prior to DAM

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

Example 2: Incremental Exceptional Dispatch Instructions in RTM

In this fictitious example, the ISO issued an exceptional dispatch instruction to resource A to be committed at its Pmin of 30 MW from hours ending 7 through 11 after completion of the day-ahead market for the transmission procedure T-138. This resource did not have a day-ahead award in those hours. The ISO issued another exceptional dispatch instruction to resource B, to be dispatched at 40 MW from hours ending 8 through 9 in real-time for the transmission procedure T-138. This resource had a day-ahead schedule of 20 MW from the day-ahead market, which implies that this exceptional dispatch instruction was an incremental instruction and the exceptional dispatch MW was 20 MW. Similarly, the details of exceptional dispatch (ED) instruction for resource C 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 shows the time of the first dispatch of the day. This is a time not a range. Similarly the End Time shows a time and not a range. Exceptional dispatches occurred between these two times. Since there was a commitment between the begin time and end time then the Commitment column displays yes for the summary. Similarly, the INC/DEC column shows an INC as there was an incremental dispatch between the begin time and end time. As mentioned in the previous example it is possible that there might be some hours between the begin time and end time where there were no exceptional dispatch instructions for the given reason.

Table 5: FERC Summary of ED Instructions in RTM

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time
1	RT	T-138	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 June, 2011.

Anna Pascuzzo
Anna Pascuzzo