California Independent System Operator



February 18, 2015

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 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 December 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: December 2014

CAISO Market Quality and Renewable Integration

February 18, 2015

CAISO 250 Outcropping Way Folsom, California 95630 (916) 351-4400

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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 December 2014

The Nature of Exceptional Dispatch

The CAISO can issue exceptional dispatch instructions for a resource as a preday-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 CAISO issues exceptional dispatch instructions primarily for constraints which are not enforced or not completely enforced in the market software. Whenever the CAISO issues an exceptional dispatch instruction, the operator logs the dispatch and the associated reason.

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 non-modeled constraints or requirements and intertie emergency assistance. All of the transmission procedures are available on the CAISO website².

The following reason for exceptional dispatch instructions in December 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 CAISO software does not handle multi day commitment. For

¹ The CAISO can issue exceptional dispatch instructions subject to authority of the CAISO Tariff Section 34.9 and in accordance with CAISO Operating Procedure 2330 (formerly M-402).

² A list of all of the CAISO's publicly available Operating Procedures are available at the following link: <u>http://www.caCAISO.com/thegrid/operations/opsdoc/index.html</u>

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 CAISO issues an exceptional dispatch to commit this resource in 2400 so that it can be dispatched economically in the following day. There were a few other reasons used to explain exceptional dispatch instructions in December 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 89 exceptional dispatches in December 2014, as compared to 115 exceptional dispatches in November 2014. Exceptional dispatches issued for the following reasons accounted for approximately 61 percent of the total exceptional dispatches during the reporting period: start up instructions, various reliability requirements, planned transmission outages and operating procedures 7110 and 6510.

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.

Table 1: Exceptional Dispatches in December 2014

		Californ	Except	dent System Operational Dispatch Re ebruary 13, 2015		n									
		Chart 1: Table of Exceptiona	l Dispatch	es for Period 01	/December/20 ⁻	14 - 31/De	cembe	er/2014	1						
Num ber	Mar ket Typ e	Reason	Locatio	Local Reliability Area	Trade Date	MW	Co mmi tme nt	INC_ DEC	Hou	Begin Time	End Time				
1	RT	Bridging Schedules	SCE	LA Basin	12/2/2014	20	Yes	INC	7	17:00	23:59				
2	RT	Bridging Schedules	SCE	LA Basin	12/8/2014	25	No	INC	2	22:00	23:59				
3															
4	4 RT Incomplete or Inaccurate Transmission PG&E Humboldt 12/5/2014 30- 50 No INC 6 17:40 22:59														
5															
6	RT Incomplete or Inaccurate Transmission PG&E Sierra 12/1/2014 0 No INC 6														
7	RT	Incomplete or Inaccurate Transmission	PG&E	Sierra	12/2/2014	0	No	INC	6	16:00	21:59				
8	RT	Load Forecast Uncertainty	PG&E	Humboldt	12/24/2014	15	No	INC	4	9:52	13:14				
9	RT	Load Forecast Uncertainty	SCE	LA Basin	12/30/2014	20	No	INC	13	9:00	21:59				
10	RT	Load Forecast Uncertainty	SDG&E	San Diego-IV	12/3/2014	63	No	INC	7	12:45	18:59				
11	RT	Load Pull	SCE	LA Basin	12/1/2014	49- 147	No	INC	9	7:10	15:59				
12	RT	Market Disruption	PG&E	Bay Area	12/8/2014	390	No	INC	6	4:03	9:59				
13	RT	Market Disruption	SCE	LA Basin	12/8/2014	270	No	INC	6	4:28	9:59				
14	RT	MSG Plant Shutdown	PG&E	Bay Area	12/16/2014	0	No	INC	5	19:55	23:59				
15	RT	MSG Plant Shutdown	PG&E	Bay Area	12/17/2014	0	No	INC	1	0:00	0:49				
16	RT	Operating Procedure Number 1357	PG&E	Humboldt	12/10/2014	15-90	No	INC	15	9:25	23:59				
	17 RT Operating Procedure Number 1358 PG&E Humboldt 12/11/2014 15- 60 No INC 24 0:00 23														
18	RT	Operating Procedure Number 6510	SCE	LA Basin	12/2/2014	96- 430	Yes	INC	6	15:47	21:29				
19	RT	Operating Procedure Number 6510	SCE	LA Basin	12/4/2014	25-45	No	INC	17	7:00	23:59				
20	RT	Operating Procedure Number 6510	SCE	LA Basin	12/5/2014	45	No	INC	17	7:00	23:59				

Num	Mar ket		Locatio	Local Reliability			Co mmi tme	INC	Hou	Begin	End
ber	Тур е	Reason	n	Area	Trade Date	MW	nt	DEC	rs	Time	Time
21	RT	Operating Procedure Number 6510	SCE	LA Basin	12/16/2014	70-260	No	INC	11	9:55	19:59
22	RT	Operating Procedure Number 6510	SCE	LA Basin	12/17/2014	136	No	INC	14	6:25	19:59
23	RT	Operating Procedure Number 6510	SDG&E	San Diego-IV	12/3/2014	40	No	INC	5	19:00	23:59
24	RT	Operating Procedure Number 6510	SDG&E	San Diego-IV	12/16/2014	15	No	INC	1	11:40	12:14
25	RT	Operating Procedure Number 7110	PG&E	Humboldt	12/1/2014	16	No	INC	2	11:21	12:29
26	RT	Operating Procedure Number 7110	PG&E	Humboldt	12/12/2014	15-43	No	INC	12	3:10	14:59
27	RT	Operating Procedure Number 7110	PG&E	Humboldt	12/16/2014	13	No	INC	6	9:24	14:59
28	RT	Operating Procedure Number 7110	PG&E	Humboldt	12/20/2014	28	No	INC	6	18:05	23:59
29	RT	Operating Procedure Number 7110	PG&E	Humboldt	12/26/2014	24	No	INC	6	17:25	22:29
30	RT	Operating Procedure Number 7110	PG&E	Humboldt	12/29/2014	28- 56	No	INC	8	9:55	17:29
31	RT	Operating Procedure Number 7110	PG&E	Humboldt	12/30/2014	28	No	INC	8	7:00	14:59
32	RT	Operating Procedure Number 7110	PG&E	Humboldt	12/31/2014	20	No	INC	8	10:10	17:44
33	RT	Operating Procedure Number and Constraint	PG&E	Humboldt	12/21/2014	30	No	INC	6	18:30	23:59
34	RT	Other Reliability Requirement	PG&E	Bay Area	12/16/2014	0	No	INC	5	19:55	23:59
35	RT	Other Reliability Requirement	PG&E	Bay Area	12/17/2014	99	No	INC	24	0:00	23:59
36	RT	Other Reliability Requirement	PG&E	Fresno	12/13/2014	83	No	INC	2	21:12	22:59
37	RT	Other Reliability Requirement	PG&E	Humboldt	12/1/2014	32	No	INC	2	10:01	11:59
38	RT	Other Reliability Requirement	PG&E	Humboldt	12/2/2014	64- 112	No	INC	15	7:27	21:59
39	RT	Other Reliability Requirement	PG&E	Humboldt	12/8/2014	15- 30	No	INC	2	19:24	20:44
40	RT	Other Reliability Requirement	PG&E	Humboldt	12/22/2014	30	No	INC	3	19:20	21:59
41	RT	Other Reliability Requirement	PG&E	Humboldt	12/23/2014	84-86	No	INC	3	19:30	21:59
42	RT	Other Reliability Requirement	PG&E	Humboldt	12/29/2014	71	No	INC	6	17:10	22:59
43	RT	Other Reliability Requirement	PG&E	Stockton	12/17/2014	130	No	INC	2	11:46	12:49
44	RT	Other Reliability Requirement	PG&E	Stockton	12/17/2014	89	No	INC	7	6:00	12:59
45	RT	Other Reliability Requirement	SCE	LA Basin	12/17/2014	20- 45	No	INC	18	6:00	23:59
46	RT	Other Reliability Requirement	SDG&E	San Diego-IV	12/27/2014	40	No	INC	7	17:40	23:59
47	RT	Over Generation	PG&E	N/A	12/2/2014	580	No	INC	2	17:02	18:14
48	RT	Over Generation	SCE	LA Basin	12/2/2014	510	No	INC	1	17:02	17:09
49	RT	Over Generation	SDG&E	San Diego-IV	12/2/2014	155	No	INC	1	17:01	17:14

	Mar ket						Co mmi				
Num	Тур		Locatio	Local Reliability			tme	INC_	Hou	Begin	End
ber	е	Reason	n	Area	Trade Date	MW	nt	DEC	rs	Time	Time
50	RT	Over Generation	SDG&E	San Diego-IV	12/12/2014	300	No	INC	1	4:45	5:14
51	RT	Planned Transmission Outage and Constraint	PG&E	Bay Area	12/4/2014	19	No	INC	4	6:50	10:29
52	RT	Planned Transmission Outage and Constraint	PG&E	Bay Area	12/15/2014	25- 54	No	INC	7	16:13	22:29
53	RT	Planned Transmission Outage and Constraint	PG&E	Bay Area	12/16/2014	65	No	INC	4	17:39	20:59
54	RT	Planned Transmission Outage and Constraint	PG&E	Bay Area	12/20/2014	970-1145	No	INC	11	8:25	18:59
55	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	12/6/2014	32	No	INC	3	18:34	20:59
56	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	12/15/2014	28- 58	No	INC	5	17:12	21:59
57	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	12/16/2014	30- 94	No	INC	5	17:00	21:59
58	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	12/17/2014	20- 100	No	INC	18	6:18	23:59
59	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	12/18/2014	15- 61	No	INC	24	0:00	23:59
60	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	12/19/2014	16- 48	No	INC	19	0:00	18:59
61	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	12/20/2014	12-24	No	INC	8	8:39	16:29
62	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	12/28/2014	58-88	No	INC	3	18:30	21:29
63	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	12/30/2014	30-86	No	INC	6	17:30	22:59
64	RT	Planned Transmission Outage and Constraint	PG&E	Humboldt	12/31/2014	28-84	No	INC	14	7:45	21:14
65	RT	Planned Transmission Outage and Constraint	PG&E	N/A	12/3/2014	15	No	INC	5	14:00	18:44
66	RT	Planned Transmission Outage and Constraint	PG&E	N/A	12/8/2014	150- 515	No	INC	8	16:06	23:59
67	RT	Planned Transmission Outage and Constraint	PG&E	NCNB	12/4/2014	205	No	INC	9	8:10	16:29
68	RT	Planned Transmission Outage and Constraint	PG&E	Sierra	12/2/2014	10	Yes	INC	1	23:03	23:59
69	RT	Planned Transmission Outage and Constraint	PG&E	Sierra	12/3/2014	5	No	INC	1	0:00	0:04
70	RT	Planned Transmission Outage and Constraint	PG&E	Sierra	12/7/2014	8-12	No	INC	2	2:11	3:44
71	RT	Planned Transmission Outage and Constraint	PG&E	Sierra	12/9/2014	42	No	INC	3	12:37	15:19
72	RT	Planned Transmission Outage and Constraint	PG&E	Sierra	12/31/2014	35-42	No	INC	3	17:52	19:59
73	RT	Planned Transmission Outage and Constraint	SCE	LA Basin	12/12/2014	40	No	INC	3	16:50	18:59
74	RT	Planned Transmission Outage and Constraint	SCE	N/A	12/21/2014	17	Yes	INC	1	21:00	21:59
75	RT	Shutdown	PG&E	Stockton	12/15/2014	0	No	INC	1	19:15	19:44
76	RT	Shutdown	SCE	LA Basin	12/13/2014	0	No	INC	1	12:45	13:44
77	RT	Shutdown	SCE	N/A	12/21/2014	0	No	INC	2	22:00	23:59
78	RT	Shutdown	SDG&E	San Diego-IV	12/11/2014	0	No	INC	1	15:25	16:19

	Mar						Со				
Num	ket Typ		Locatio	Local Reliability			mmi tme	INC	Hou	Begin	End
ber	e	Reason	n	Area	Trade Date	MW	nt	DEC	rs	Time	Time
79	RT	Software Limitation	PG&E	Stockton	12/15/2014	0	No	INC	6	18:05	23:14
80	RT	Software Limitation	SCE	N/A	12/20/2014	745- 750	No	INC	4	20:45	23:59
81	RT	Start-Up Instructions	PG&E	N/A	12/8/2014	290	No	INC	2	16:06	17:29
82	RT	Start-Up Instructions	PG&E	N/A	12/28/2014	0	No	INC	2	7:35	9:04
83	RT	Start-Up Instructions	SCE	LA Basin	12/2/2014	0	No	INC	1	12:20	12:49
84	RT	Start-Up Instructions	SCE	LA Basin	12/26/2014	0	No	INC	2	21:35	23:29
85	RT	Start-Up Instructions	SDG&E	San Diego-IV	12/11/2014	0	No	INC	1	22:00	22:59
86	RT	Start-Up Instructions	SDG&E	San Diego-IV	12/12/2014	0	No	INC	1	2:05	2:59
87	RT	Voltage Support	PG&E	Fresno	12/24/2014	83	No	INC	4	11:37	14:49
88	RT	Voltage Support	PG&E	Humboldt	12/24/2014	45- 75	No	INC	10	14:40	23:59
89	RT	Voltage Support	PG&E	Humboldt	12/25/2014	15- 186	No	INC	15	8:08	22:14

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 CAISO 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 CAISO 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.

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	В	SCE	LA BASIN	08:00	20:00	30	7630
01-Jul-09	DA	С	SCE	LA BASIN	09:00	23:00	20	7630

Table 2: Instructions Prior to Day-Ahead Market

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 and end time can include null hours with no dispatch.

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 CAISO 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 CAISO 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.

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	А	PG&E	Humboldt	06:00	11:00	30	0	Yes	INC	30	7110
01-Jul-09	RT	В	PG&E	Humboldt	07:00	09:00	40	20	No	INC	20	7110
01-Jul-09	RT	С	PG&E	Humboldt	12:00	15:00	50	50	No	INC	0	7110
01-Jul-09	RT	С	PG&E	Humboldt	16:00	20:00	50	40	No	INC	10	7110

Table 4: Incremental Exceptional Dispatch Instructions in RTM

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.

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

Table 5: FERC Summary of ED Instructions in RTM

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 CAISO 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 CAISO issued additional exceptional dispatch instructions for resources B and C; details of those instructions are shown in Table 6.

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	А	PG&E	Fresno	15:00	20:00	20	0	Yes	INC	20	7430
01-Jul-09	RT	В	PG&E	Fresno	07:00	09:00	40	60	No	DEC	20	7430
01-Jul-09	RT	С	PG&E	Fresno	10:00	14:00	40	50	No	DEC	10	7430

Table 6: Decremental Exceptional Dispatch Instructions in RTM

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

 Table 7: FERC Summary of Decremental ED Instructions in RTM

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time
1	RT	7430	PG&E	Fresno	1-Jul-09	20	Yes	INC	6	15:00	20:00
1	RT	7430	PG&E	Fresno	1-Jul-09	10-20	Yes	DEC	8	07:00	14:00

CERTIFICATE OF SERVICE

I hereby certify that I have served the foregoing document upon the parties listed on the official service lists in the above-referenced proceedings, in accordance with the requirements of Rule 2010 of the Commission's Rules of Practice and Procedure (18 C.F.R. § 385.2010).

Dated at Folsom, California this 18th day of February 2014.

1s/ Anna Pascuzzo

Anna Pascuzzo