



California Independent
System Operator Corporation

February 1, 2009

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-____
October 2009 Exceptional Dispatch Report (Chart 2 data)**

Dear Secretary Bose:

Pursuant to the Commission's September 2, 2009 order in the above-identified docket, *Cal. Indep. System Operator Corp*, 128 FERC ¶ 61,218 (2008), the California Independent System Operator Corporation submits the attached report. The attached report provides the details that the commission directed to be included in "Chart 2", which was set forth in Appendix A of the September 2 Order, as modified by the ISO's September 14 motion for clarification of the September 2 order. The attached report provides Chart 2 data for the month of October 2009. The September 14 motion proposed to file the Chart 2 report for any given calendar month on the 30th of the month following the filing of the "Chart 1" report. The attached Chart 2 report also includes the price impact analysis for the month October required by Paragraph 44 of the September 2 Order as well as the degree of mitigation analysis required by ISO tariff section 34.9.4 for the month of October 2009.

Respectfully submitted,

/s/ Sidney M. Davies

Sidney M. Davies
Assistant General Counsel
California Independent System
Operator Corporation
151 Blue Ravine Road
Folsom, CA 95630
Tel: (916) 351-4400



Exceptional Dispatch Report

Table 2: October 2009

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Introduction

In its September 2nd order in ER08-1175, FERC directed the ISO to file two exceptional dispatch reports for each reporting period. The ISO filed the first report for October on December 15, which contained details of occurrences of exceptional dispatch instructions according to the FERC-prescribed format as modified by the ISO's September 14, 2009 request for clarification.¹ This is the second report for October, which contains cost information relating to each occurrence detailed in the first report. This report also follows FERC's format as modified by the ISO's request for clarification filed on September 14, 2009.

In addition, this report contains a price impact analysis as prescribed by FERC order.² The price impact analysis for the month of October is presented in Appendix B. This report also includes the degree of mitigation analysis for October required by section 34.9.4 of the ISO tariff. As it has previously explained, the ISO indicated that it would start including the degree of mitigation analysis beginning with the month of August 2009 when the more limited Exceptional Dispatch bid mitigation took effect. This analysis will compare those Exceptional Dispatches subject to bid mitigation (i.e. Exceptional Dispatches to address noncompetitive constraints and Delta Dispatch), and determine the cost difference between the Exceptional Dispatch bid mitigation settlement rules and what the settlement amount would have been had the Exceptional Dispatches not been subject to bid mitigation. The Exceptional Dispatch bid mitigation analysis for October is presented in Appendix C.

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 dispatch. A pre-day-ahead unit commitment is an exceptional dispatch instruction committing a resource at or above its physical minimum (Pmin) operating level in the day-ahead market. A post-day-ahead unit commitment is an exceptional dispatch instruction committing a resource at or above its (Pmin) operating level in the real-time market. A real-time exceptional dispatch instructs a resource to operate at or above its physical minimum operating point. For the purposes of this report, a real-time exceptional dispatch above the resource's day-ahead award is considered an incremental exceptional dispatch instruction and a real-time exceptional dispatch below the day-ahead award is considered a decremental dispatch instruction. The ISO issues exceptional dispatch instructions primarily to manage transmission constraints that are not modeled in the market software. In addition to constraints, the ISO also issues exceptional dispatch instructions relating to reliability requirements

¹ See *Cal. Indep. Sys. Operator Corp.*, 128 FERC ¶ 61,218 at PP 38-43 (2009). The ISO's request for clarification is still pending.

² See *Id.* at P 44.

and, on occasion, software failures. Reliability requirements are calculated for both local area and the system wide needs, and are classified into various requirements including local generation, transmission management, non-modeled transmission outages, ramping and intertie emergency assistance. Whenever the ISO issues an exceptional dispatch instruction, these instructions are logged by the operators into the scheduling and logging system (SLIC), including an associate a reason for each exceptional dispatch instruction.

In October, the ISO issued exceptional dispatches for following local area generation requirements: (1) G-206, San Diego area generation requirements. (2) G-217, South of Lugo generation requirements; and (3) G-219, SCE area generation requirements for Orange County; Exceptional dispatch instructions were also issued for following transmission management requirements: (1) T-103, Southern California import transmission (SCIT) nomogram; (2) T-129, transmission facilities in Fresno area; (3) T-133, transmission facilities in Bay Area; (4) T-138, transmission facilities in Humboldt area; (5) T-151, North Geysers Area 115 kV Lines; and (6) other transmission outages in PG&E, SCE and SDG&E area.

In Table 1, the reason codes starting with “G” refer to an ISO operation procedure for generation requirements and the 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 publicly on the ISO website; however, all of the transmission procedures are available on the CAISO website.³

The following additional reasons for exceptional dispatch instructions in October were not related to specific generation or transmission operating procedures: (1) Intertie emergency assistance, when CAISO was providing assistance to its neighboring control area; (2) 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.); (3) Market Disruption, when the exceptional dispatch instructions were issued due to HASP failures; (4) Thermal Margin, when the exceptional dispatch instructions were issued due to load forecast uncertainty ; (5) SCE Import Limit,

³ A list of all of the ISO’s Operating Procedures and all the publicly available Operating Procedures are available at the following link:

<http://www.caiso.com/thegrid/operations/opsdoc/index.html>

the import limit that applies specifically to the SCE area (SCE_PCT_IMP_BG)⁴; and (6) 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 capability 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 October, which are self explanatory.

As mentioned earlier, the data shown in Table 1 is based on a template specified in the September 2009 order.⁵ This table contains all the information published in the Table 1 of the first report for October. In addition, it contains volume (MWh) and cost information. Each entry in Table 1 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; (6) End Time; (7) Total Volume (MWh); (8) Min Load Cost; (9) Start Up Cost; (10) CC6470; (11) ED Volume (MWh INC/DEC); (12) CC6470 INC; (13) CC6470 DEC; (14) CC6482; (15) CC6488; and (16) CC6620. Each column is defined as follows:

- MW column shows the range of exceptional dispatch instruction in MW for the classification.
- Commitment column specifies if there was a unit commitment for the classification.
- The INC/DEC/NA column specifies if there was an incremental dispatch (INC), a decremental dispatch (DEC), or only a unit commitment (NA). . The begin time and end time columns show the start and end time of exceptional dispatch for the classification respectively.
- The hours column is the time difference between begin time and end time rounded up to the next hour.
- The total volume column shows the total MWh dispatch quantity dispatched for that classification. This quantity includes the minimum load quantity, the imbalance energy quantity, and the exceptional dispatch quantity.

⁴ The detailed explanation about the SCE import limit can be found in the technical bulletin available at the following link: <http://www.caiso.com/2381/2381f87327f70.html>

⁵ The data in Table 1 is principally SLIC information supplemented with data from the Market Quality System (MQS) and Settlements database. The volume and cost information is based on t+51B Recalculation Statements.

- The Min-Load Cost column shows eligible minimum load cost for the classification.
- The Start-Up Cost column shows the eligible start up cost for the classification. Please note that the ISO does not explicitly pay resources for its start up and minimum load costs; however, it ensures that resources are compensated adequately through its bid cost recovery process.⁶
- The CC6470 shows the total imbalance energy costs for the classification. This cost contains the portion of exceptional dispatch instruction that was settled as optimal energy by virtue of its bid price being less than the LMP in that specific settlement interval.
- The ED Volume MWh (MWh INC/DEC) shows the incremental or the decremental portion of the real-time exceptional dispatch MWh for the classification. The CC6470-INC shows that portion of incremental exceptional dispatch instruction which is settled at the resource specific LMP.
- The CC6470-DEC shows that portion of decremental exceptional dispatch instruction which is settled at the resource specific LMP. Both these charge codes are portion of the real-time Instructed imbalance energy charge code (6470).⁷
- The CC6482 shows the real-time excess cost for the classification.⁸
- The CC6488 shows the real-time exceptional dispatch uplift settlement for the classification.⁹ The CC6620 shows the bid cost recovery payment for the classification. This cost is shown for all pre-day-ahead unit commitments only.

Charge codes 6470, 6470 INC, 6470 DEC, 6482 and 6488 are shown in Table 1 because all these charge code pertain to real-time exceptional dispatch MWh quantities. The classification of data is further explained by way of example in Appendix A.

⁶ For further details please refer to sections 11.8 of the ISO tariff for further details regarding the Bid Cost Recovery process.

⁷ For further details please refer to the BPM configuration Guide: Real-Time Instructed Imbalance Energy Settlement published on the ISO's website.

⁸ For further details please refer to the BPM configuration Guide: Real Time Excess Cost for Instructed Energy Settlement published on the ISO's website.

⁹ For further details please refer to the BPM configuration Guide: Real Time Exceptional dispatch uplift Settlement published on the ISO's website.

Table 1: Exceptional Dispatches in October 2009

**California Independent System Operator Corporation
Exceptional Dispatch Report
February 1, 2010**

Chart 2: Table of Exceptional Dispatches for Period 01/October/2009 - 31/ October/2009

Num ber	Mark et Type	Reason	Location	Local Reliability Area	Trade Date	MW	Comm itment	INC_ DEC	Hou rs	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
1	DA	G-206	SDG&E	San Diego	1-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$35,448	\$13,749	\$0	0.00	\$0	\$0	\$0	\$0	\$33,587
2	DA	SP26 Capacity	SCE	LA Basin	18-Oct-09	60	Yes	N/A	10	0:00	9:00	600.00	\$56,670	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$12,189
3	DA	SP26 Capacity	SDG&E	San Diego	1-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$37,994	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$20,857
4	DA	SP26 Capacity	SDG&E	San Diego	2-Oct-09	40	Yes	N/A	24	0:00	23:00	960.00	\$71,292	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$9,216
5	DA	SP26 Capacity	SDG&E	San Diego	3-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$32,538	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$16,619
6	DA	SP26 Capacity	SDG&E	San Diego	4-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$33,353	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$18,125
7	DA	SP26 Capacity	SDG&E	San Diego	5-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$26,113	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$12,017
8	DA	SP26 Capacity	SDG&E	San Diego	7-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$26,113	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$8,346
9	DA	SP26 Capacity	SDG&E	San Diego	8-Oct-09	40	Yes	N/A	24	0:00	23:00	1,920.00	\$104,452	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$58,697
10	DA	SP26 Capacity	SDG&E	San Diego	11-Oct-09	20	Yes	N/A	18	6:00	23:00	360.00	\$31,384	\$10,891	\$0	0.00	\$0	\$0	\$0	\$0	\$29,204
11	DA	SP26 Capacity	SDG&E	San Diego	22-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$41,499	\$13,281	\$0	0.00	\$0	\$0	\$0	\$0	\$27,387
12	DA	SP26 Capacity	SDG&E	San Diego	23-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$45,130	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$20,261
13	DA	SP26 Capacity	SDG&E	San Diego	24-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$47,723	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$22,481
14	DA	SP26 Capacity	SDG&E	San Diego	25-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$48,241	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
15	DA	SP26 Capacity	SDG&E	San Diego	26-Oct-09	20-60	Yes	N/A	24	0:00	23:00	1,200.00	\$99,764	\$9,332	\$0	0.00	\$0	\$0	\$0	\$0	\$42,482
16	DA	SP26 Capacity	SDG&E	San Diego	27-Oct-09	40	Yes	N/A	24	0:00	23:00	960.00	\$93,907	\$15,108	\$0	0.00	\$0	\$0	\$0	\$0	\$59,439
17	DA	SP26 Capacity	SDG&E	San Diego	28-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$50,340	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$14,902
18	DA	SP26 Capacity	SDG&E	San Diego	30-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$47,091	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$7,000
19	DA	SP26 Capacity	SDG&E	San Diego	31-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$47,647	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$28,138
20	DA	Transmission Outage Other	SCE	Big Creek-Ventura	14-Oct-09	100	Yes	N/A	22	2:00	23:00	2,200.00	\$145,916	\$53,521	\$0	0.00	\$0	\$0	\$0	\$0	\$104,168
21	DA	Transmission Outage Other	SCE	Big Creek-Ventura	18-Oct-09	140	Yes	N/A	10	0:00	9:00	1,400.00	\$87,332	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$72,973
22	DA	Transmission Outage Other	SCE	LA Basin	18-Oct-09	45	Yes	N/A	10	0:00	9:00	450.00	\$40,684	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$51,641
23	DA	Transmission Outage Other	SDG&E	San Diego	18-Oct-09	20	Yes	N/A	10	0:00	9:00	200.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$12,646
24	DA	Transmission Outage SCE	SCE	Big Creek-Ventura	5-Oct-09	20	Yes	N/A	18	4:00	21:00	360.00	\$15,895	\$1,547	\$0	0.00	\$0	\$0	\$0	\$0	\$7,047
25	DA	Transmission Outage SCE	SCE	Big Creek-Ventura	15-Oct-09	100	Yes	N/A	20	2:00	21:00	2,000.00	\$128,777	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$23,528
26	DA	Transmission Outage SCE	SCE	LA Basin	5-Oct-09	20	Yes	N/A	24	0:00	23:00	600.00	\$51,768	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$30,568
27	DA	Transmission Outage SCE	SCE	LA Basin	14-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$45,462	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$24,141
28	DA	Transmission Outage SCE	SCE	LA Basin	19-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$45,976	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0

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	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
29	DA	Transmission Outage SCE	SCE	LA Basin	22-Oct-09	20	Yes	N/A	24	0:00	23:00	480.00	\$447	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
30	DA	Transmission Outage SDG&E	SDG&E	San Diego	30-Oct-09	40	Yes	N/A	20	0:00	19:00	800.00	\$54,256	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$8,943
31	RT	Circulation	N/A	N/A	23-Oct-09	1100	No	INC	1	23:30	23:59	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
32	RT	G-206	SDG&E	San Diego	18-Oct-09	20	Yes	INC	1	23:00	23:59	36.49	\$1,726	\$0	(\$767)	0.00	\$0	\$0	\$0	\$0	\$0
33	RT	G-206	SDG&E	San Diego	19-Oct-09	20	Yes	INC	1	23:00	23:59	45.52	\$1,730	\$0	(\$1,391)	0.00	\$0	\$0	\$0	\$0	\$0
34	RT	G-206	SDG&E	San Diego	21-Oct-09	40	Yes	INC	23	1:55	23:59	531.70	\$25,820	\$0	(\$22,648)	0.00	\$0	\$0	\$0	\$0	\$0
35	RT	G-217	SCE	LA Basin	13-Oct-09	17	Yes	DEC	1	0:25	0:29	0.50	\$0	\$0	(\$17)	0.00	\$0	\$0	\$0	\$0	\$0
36	RT	G-217	SCE	LA Basin	13-Oct-09	20	Yes	INC	22	1:00	22:44	559.50	\$316	\$2,535	(\$21,923)	0.00	\$0	\$0	\$0	\$0	\$0
37	RT	G-217	SCE	LA Basin	14-Oct-09	20	Yes	INC	10	14:00	23:59	545.94	\$16,090	\$0	(\$23,166)	0.00	\$0	\$0	\$0	\$0	\$0
38	RT	G-217	SCE	LA Basin	22-Oct-09	20 - 111	Yes	INC	2	22:00	23:59	455.53	\$8,460	\$0	(\$21,795)	127.42	(\$5,119)	\$0	\$0	(\$1,917)	\$0
39	RT	G-217	SCE	LA Basin	31-Oct-09	20	Yes	INC	22	2:00	23:59	473.27	\$44,242	\$0	(\$14,074)	13.12	(\$539)	\$0	\$0	\$0	\$0
40	RT	G-219	SCE	LA Basin	23-Oct-09	152 - 195	Yes	DEC	8	11:10	18:09	-325.18	\$0	\$0	\$18,600	0.00	\$0	\$0	\$0	\$0	\$0
41	RT	G-219	SCE	LA Basin	23-Oct-09	20 - 111	Yes	INC	2	22:00	23:59	130.80	\$7,408	\$0	(\$6,356)	0.00	\$0	\$0	\$0	\$0	\$0
42	RT	G-219	SCE	LA Basin	24-Oct-09	20	Yes	INC	23	1:00	23:59	1,096.04	\$46,253	\$0	(\$49,953)	195.50	(\$9,951)	\$0	\$0	\$0	\$0
43	RT	G-219	SCE	LA Basin	25-Oct-09	20	Yes	INC	24	0:00	23:59	3,802.64	\$48,264	\$0	(\$515,193)	0.00	\$0	\$0	\$0	\$0	\$0
44	RT	Intertie Emergency Assistance	N/A	N/A	13-Oct-09	190 - 400	No	INC	4	13:49	16:59	826.67	\$0	\$0	(\$105,078)	826.67	(\$105,078)	\$0	(\$13,268)	\$0	\$0
45	RT	Intertie Emergency Assistance	N/A	N/A	19-Oct-09	100	No	INC	1	6:27	6:59	-55.00	\$0	\$0	\$2,946	(55.00)	\$0	\$2,946	\$0	\$0	\$0
46	RT	Load Forecast Uncertainty	SCE	Big Creek-Ventura	18-Oct-09	100	Yes	INC	14	10:00	23:59	3,396.63	\$95,404	\$0	(\$152,689)	1,261.54	(\$57,239)	\$0	\$0	\$0	\$0
47	RT	Loss of Generation	SCE	Big Creek-Ventura	15-Oct-09	20	Yes	INC	14	10:00	23:59	751.38	\$19,373	\$0	(\$53,923)	0.00	\$0	\$0	\$0	\$0	\$0
48	RT	Loss of Generation	SCE	LA Basin	15-Oct-09	20	Yes	INC	10	14:30	23:59	1,795.08	\$14,085	\$0	(\$102,267)	0.00	\$0	\$0	\$0	\$0	\$0
49	RT	Loss of Generation	SDG&E	San Diego	2-Oct-09	46	Yes	INC	3	11:40	13:59	106.42	\$3,245	\$198	(\$13,638)	1.57	\$0	\$0	\$0	\$0	\$0
50	RT	Maintain Operating Reserve	PG&E	Fresno	14-Oct-09	83	Yes	INC	1	19:00	19:09	13.83	\$0	\$0	(\$691)	0.00	\$0	\$0	\$0	\$0	\$0
51	RT	Market Disruption	N/A	N/A	1-Oct-09	2	Yes	INC	1	18:00	18:59	-2.00	\$0	\$0	\$0	(2.00)	\$0	\$0	\$0	\$0	\$0
52	RT	Market Disruption	N/A	N/A	13-Oct-09	3	No	DEC	1	18:00	18:59	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
53	RT	Market Disruption	N/A	N/A	13-Oct-09	600	Yes	INC	1	18:00	18:59	465.00	\$0	\$0	(\$24,189)	491.00	(\$25,487)	\$0	(\$2,733)	\$0	\$0
54	RT	Market Disruption	N/A	N/A	15-Oct-09	1	Yes	INC	1	1:00	1:59	-1.00	\$0	\$0	\$0	(1.00)	\$0	\$0	\$0	\$0	\$0
55	RT	Market Disruption	N/A	N/A	21-Oct-09	25	Yes	INC	1	10:00	10:59	-25.00	\$0	\$0	\$0	(25.00)	\$0	\$0	\$0	\$0	\$0
56	RT	Market Disruption	N/A	N/A	22-Oct-09	175	No	DEC	1	13:00	13:59	75.00	\$0	\$0	(\$7,737)	75.00	(\$7,737)	\$0	(\$761)	\$0	\$0

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	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
57	RT	Market Disruption	N/A	N/A	22-Oct-09	25	No	INC	1	12:00	12:59	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
58	RT	Market Disruption	N/A	N/A	27-Oct-09	48	No	INC	1	7:00	7:59	36.00	\$0	\$0	(\$308)	36.00	(\$308)	\$0	(\$240)	\$0	\$0
59	RT	Market Disruption	N/A	N/A	28-Oct-09	775	Yes	DEC	1	7:00	7:59	-700.00	\$0	\$0	\$30,364	(700.00)	\$0	\$30,364	\$0	\$0	\$0
60	RT	Market Disruption	N/A	N/A	28-Oct-09	125	Yes	INC	1	7:00	7:59	-50.00	\$0	\$0	\$0	(25.00)	(\$1,069)	\$0	\$0	\$0	\$0
61	RT	Path 15	PG&E	Stockton	13-Oct-09	120	Yes	INC	4	17:35	20:59	375.00	\$24,820	\$1,333	(\$18,392)	0.00	\$0	\$0	\$0	\$0	\$0
62	RT	Path 26	N/A	N/A	27-Oct-09	200	No	INC	1	6:06	6:19	46.67	\$0	\$0	(\$1,869)	46.67	(\$1,869)	\$0	\$0	\$0	\$0
63	RT	Path 26	PG&E	Bay Area	27-Oct-09	324	No	DEC	2	5:55	6:14	16.36	\$0	\$0	(\$668)	0.00	\$0	\$0	\$0	\$0	\$0
64	RT	Path 26	PG&E	Bay Area	27-Oct-09	85 - 151	No	INC	2	5:55	6:14	112.93	\$0	\$0	(\$4,443)	26.04	(\$1,036)	\$0	(\$112)	\$0	\$0
65	RT	Path 26	PG&E	Fresno	20-Oct-09	0	No	INC	10	0:40	9:59	-3.21	\$0	\$0	\$138	0.00	\$0	\$0	\$0	\$0	\$0
66	RT	Path 26	PG&E	Fresno	27-Oct-09	0	Yes	INC	2	5:52	6:09	-12.85	\$0	\$0	\$568	0.00	\$0	\$0	\$0	\$0	\$0
67	RT	Path 26	PG&E	Fresno	28-Oct-09	155 - 190	No	INC	5	0:00	4:59	972.25	\$0	\$0	(\$33,598)	771.11	(\$26,258)	\$0	\$0	(\$2,882)	\$0
68	RT	Path 26	SCE	Big Creek-Ventura	27-Oct-09	260	No	DEC	2	5:55	6:14	0.91	\$0	\$0	(\$39)	0.00	\$0	\$0	\$0	\$0	\$0
69	RT	Path 26	SCE	Big Creek-Ventura	27-Oct-09	4	No	INC	2	5:55	6:14	6.89	\$0	\$0	\$126	0.00	\$0	\$0	\$0	\$0	\$0
70	RT	Path 26	SDG&E	N/A	27-Oct-09	492	No	DEC	1	6:00	6:21	-123.39	\$0	\$0	(\$1,384)	(17.11)	\$0	(\$81)	\$0	\$0	\$0
71	RT	Path 26	SDG&E	San Diego	27-Oct-09	213 - 249	No	DEC	2	5:54	6:09	-51.48	\$0	\$0	\$391	(14.16)	\$0	\$307	\$0	\$0	\$0
72	RT	Ramp Rate	SCE	Big Creek-Ventura	5-Oct-09	30	Yes	INC	2	18:30	19:34	32.60	\$0	\$0	(\$1,526)	30.22	(\$1,460)	\$0	\$0	\$0	\$0
73	RT	Ramp Rate	SCE	Big Creek-Ventura	14-Oct-09	157	Yes	DEC	8	14:25	21:59	10.96	\$0	\$0	(\$511)	0.00	\$0	\$0	\$0	\$0	\$0
74	RT	Ramp Rate	SCE	Big Creek-Ventura	14-Oct-09	100	Yes	INC	8	14:25	21:59	651.75	\$0	\$0	(\$29,376)	538.03	(\$24,947)	\$0	\$0	\$0	\$0
75	RT	Ramp Rate	SCE	Big Creek-Ventura	16-Oct-09	250 - 450	Yes	INC	9	13:25	21:59	3,993.59	\$83,082	\$0	(\$263,384)	2,305.91	(\$141,121)	\$0	(\$8,784)	\$0	\$0
76	RT	Ramp Rate	SCE	Big Creek-Ventura	17-Oct-09	250	Yes	INC	9	13:25	21:59	3,116.77	\$61,111	\$0	(\$267,488)	4.17	(\$204)	\$0	\$0	\$0	\$0
77	RT	Ramp Rate	SCE	Big Creek-Ventura	18-Oct-09	50 - 250	Yes	INC	13	9:05	21:59	2,992.75	\$84,804	\$0	(\$136,786)	1,261.54	(\$57,239)	\$0	\$0	\$0	\$0
78	RT	Ramp Rate	SCE	LA Basin	11-Oct-09	72	No	INC	6	16:00	21:59	792.52	\$0	\$0	(\$38,396)	176.09	(\$8,179)	\$0	\$0	\$0	\$0
79	RT	Ramp Rate	SCE	LA Basin	13-Oct-09	72	No	INC	5	17:25	21:59	502.56	\$0	\$0	(\$24,200)	138.15	(\$6,323)	\$0	\$0	\$0	\$0
80	RT	Ramp Rate	SCE	LA Basin	14-Oct-09	72	No	INC	5	17:05	21:59	379.90	\$0	\$0	(\$16,875)	175.48	(\$8,177)	\$0	\$0	\$0	\$0
81	RT	Ramp Rate	SCE	LA Basin	15-Oct-09	71	Yes	INC	6	17:55	22:29	1,207.04	\$8,988	\$0	(\$78,257)	61.33	(\$2,818)	\$0	\$0	\$0	\$0
82	RT	Ramp Rate	SCE	LA Basin	16-Oct-09	24 - 179	No	DEC	17	5:00	21:59	289.61	\$0	\$0	(\$15,610)	0.00	\$0	\$0	\$0	\$0	\$0
83	RT	Ramp Rate	SCE	LA Basin	16-Oct-09	71	No	INC	17	5:00	21:59	349.65	\$0	\$0	(\$15,853)	118.68	(\$5,405)	\$0	\$0	\$0	\$0

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Num ber	Mark et Type	Reason	Location	Local Reliability Area	Trade Date	MW	Comm itment	INC_ DEC	Hou rs	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
84	RT	Ramp Rate	SCE	LA Basin	18-Oct-09	43 - 249	No	DEC	6	16:30	21:59	-534.13	\$0	\$0	\$22,448	0.00	\$0	\$0	\$0	\$0	\$0
85	RT	Ramp Rate	SCE	LA Basin	18-Oct-09	71	No	INC	6	16:30	21:59	71.45	\$0	\$0	(\$3,088)	40.70	(\$1,863)	\$0	\$0	\$0	\$0
86	RT	Ramp Rate	SCE	LA Basin	19-Oct-09	178	Yes	DEC	3	17:20	19:59	-120.40	\$0	\$0	\$4,557	0.00	\$0	\$0	\$0	\$0	\$0
87	RT	Ramp Rate	SCE	LA Basin	24-Oct-09	380	Yes	INC	3	17:21	19:59	726.00	\$5,363	\$0	(\$39,652)	411.67	(\$21,490)	\$0	\$0	\$0	\$0
88	RT	Ramp Rate	SCE	LA Basin	26-Oct-09	226 - 277	Yes	DEC	4	17:20	20:59	-697.04	\$0	\$0	\$30,422	0.00	\$0	\$0	\$0	\$0	\$0
89	RT	Ramp Rate	SCE	LA Basin	27-Oct-09	380	Yes	INC	5	16:50	20:59	1,521.70	\$17,092	\$0	(\$88,157)	420.24	(\$20,237)	\$0	\$0	\$0	\$0
90	RT	Ramp Rate	SCE	LA Basin	28-Oct-09	380	Yes	INC	6	15:15	20:59	2,116.64	\$23,928	\$0	(\$107,896)	1,151.08	(\$56,831)	\$0	\$0	\$0	\$0
91	RT	Ramp Rate	SCE	LA Basin	31-Oct-09	170 - 190	No	INC	4	16:00	19:59	666.34	\$0	\$0	(\$37,765)	543.68	(\$24,694)	\$0	\$0	\$0	\$0
92	RT	SCE Import Limit	SCE	Big Creek- Ventura	22-Oct-09	7	Yes	DEC	2	12:30	13:44	13.81	\$0	\$0	(\$2,293)	0.00	\$0	\$0	\$0	\$0	\$0
93	RT	SCE Import Limit	SCE	Big Creek- Ventura	22-Oct-09	2 - 14	Yes	INC	2	12:11	13:44	29.39	\$0	\$0	(\$3,268)	16.66	(\$942)	\$0	\$0	(\$191)	\$0
94	RT	SCE Import Limit	SCE	LA Basin	22-Oct-09	66 - 277	Yes	DEC	11	12:11	22:59	-1,610.69	\$0	\$0	\$81,737	0.00	\$0	\$0	\$0	\$0	\$0
95	RT	SCE Import Limit	SCE	LA Basin	22-Oct-09	122 - 246	Yes	INC	3	20:25	22:59	591.16	\$4,182	\$0	(\$28,622)	353.73	(\$15,298)	\$0	\$0	(\$4,177)	\$0
96	RT	SCE Import Limit	SCE	LA Basin	23-Oct-09	22 - 231	No	DEC	15	7:15	21:59	-880.15	\$0	\$0	\$45,867	0.00	\$0	\$0	\$0	\$0	\$0
97	RT	SCE Import Limit	SCE	LA Basin	23-Oct-09	17 - 278	No	INC	15	7:15	21:59	267.52	\$0	\$0	(\$11,583)	235.40	(\$10,061)	\$0	\$0	(\$2,881)	\$0
98	RT	SCE Import Limit	SCE	LA Basin	29-Oct-09	126 - 253	Yes	INC	4	18:30	21:59	650.88	\$30,453	\$2,320	(\$26,694)	128.77	(\$5,211)	\$0	(\$2,457)	\$0	\$0
99	RT	SCE Import Limit	SCE	LA Basin	31-Oct-09	60 - 165	No	DEC	3	20:10	22:14	-303.50	\$0	\$0	\$7,844	0.00	\$0	\$0	\$0	\$0	\$0
100	RT	SCE Import Limit	SCE	LA Basin	31-Oct-09	250 - 300	No	INC	3	19:55	21:14	393.53	\$0	\$0	(\$16,921)	326.79	(\$14,848)	\$0	\$0	\$0	\$0
101	RT	SP26 Capacity	SCE	LA Basin	3-Oct-09	20	Yes	INC	24	0:00	23:59	840.38	\$39,590	\$0	(\$33,253)	0.00	\$0	\$0	\$0	\$0	\$0
102	RT	SP26 Capacity	SCE	LA Basin	16-Oct-09	10 - 30	Yes	INC	18	6:00	23:59	1,863.05	\$33,001	\$0	(\$136,399)	0.00	\$0	\$0	\$0	\$0	\$0
103	RT	SP26 Capacity	SCE	LA Basin	17-Oct-09	20	Yes	INC	24	0:00	23:59	3,517.88	\$38,616	\$0	(\$293,183)	0.00	\$0	\$0	\$0	\$0	\$0
104	RT	SP26 Capacity	SCE	LA Basin	18-Oct-09	20	Yes	INC	24	0:00	23:59	1,689.10	\$38,616	\$0	(\$71,969)	0.00	\$0	\$0	\$0	\$0	\$0
105	RT	SP26 Capacity	SCE	LA Basin	26-Oct-09	20 - 40	Yes	INC	3	21:00	23:59	206.04	\$6,786	\$0	(\$8,062)	0.00	\$0	\$0	\$0	\$0	\$0
106	RT	SP26 Capacity	SCE	LA Basin	27-Oct-09	151	Yes	INC	24	0:00	23:59	6,618.39	\$238,680	\$0	(\$290,718)	420.24	(\$20,237)	\$0	\$0	\$0	\$0
107	RT	SP26 Capacity	SDG&E	San Diego	11-Oct-09	20	Yes	INC	12	12:00	23:59	957.61	\$22,432	\$0	(\$41,326)	0.00	\$0	\$0	\$0	\$0	\$0
108	RT	SP26 Capacity	SDG&E	San Diego	15-Oct-09	20	Yes	INC	2	22:00	23:59	298.08	\$3,460	\$0	(\$13,211)	0.00	\$0	\$0	\$0	\$0	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
109	RT	SP26 Capacity	SDG&E	San Diego	20-Oct-09	0	Yes	INC	1	23:00	23:59	0.15	\$0	\$0	(\$8)	0.00	\$0	\$0	\$0	\$0	\$0
110	RT	SP26 Capacity	SDG&E	San Diego	28-Oct-09	20	Yes	INC	24	0:04	23:59	1,146.41	\$29,667	\$0	(\$60,110)	0.00	\$0	\$0	\$0	\$0	\$0
111	RT	Software Limitation	N/A	N/A	7-Oct-09	30	No	DEC	3	6:00	8:34	-79.69	\$0	\$0	\$1,034	(77.19)	\$0	\$947	\$0	\$0	\$0
112	RT	Software Limitation	PG&E	Bay Area	8-Oct-09	0	Yes	INC	2	0:00	1:59	3.91	\$2,542	\$0	(\$137)	0.00	\$0	\$0	\$0	\$0	\$0
113	RT	Software Limitation	PG&E	Bay Area	10-Oct-09	0	No	INC	2	0:45	1:59	18.86	\$0	\$0	(\$675)	0.00	\$0	\$0	\$0	\$0	\$0
114	RT	Software Limitation	PG&E	Bay Area	13-Oct-09	247	Yes	DEC	2	19:45	20:59	-260.26	\$0	\$0	\$11,574	0.00	\$0	\$0	\$0	\$0	\$0
115	RT	Software Limitation	PG&E	Bay Area	22-Oct-09	0	Yes	INC	1	12:15	12:44	1.55	\$228	\$37	(\$54)	0.00	\$0	\$0	\$0	\$0	\$0
116	RT	Software Limitation	PG&E	Bay Area	24-Oct-09	6 - 7	Yes	DEC	2	10:45	11:29	-92.83	\$0	\$0	\$3,855	0.00	\$0	\$0	\$0	\$0	\$0
117	RT	Software Limitation	PG&E	Bay Area	26-Oct-09	170	Yes	DEC	7	0:20	6:19	-212.98	\$0	\$0	\$8,433	(208.80)	\$0	\$8,457	\$0	\$0	\$0
118	RT	Software Limitation	PG&E	Bay Area	26-Oct-09	0	Yes	INC	7	0:00	6:19	-7.08	\$6,279	\$0	\$206	0.00	\$0	\$0	\$0	\$0	\$0
119	RT	Software Limitation	PG&E	Bay Area	27-Oct-09	45	Yes	INC	5	0:00	4:59	223.38	\$16,877	\$0	(\$7,334)	0.00	\$0	\$0	\$0	\$0	\$0
120	RT	Software Limitation	PG&E	N/A	2-Oct-09	0	Yes	INC	1	8:45	8:44	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
121	RT	Software Limitation	PG&E	N/A	3-Oct-09	0	Yes	INC	9	15:20	23:49	0.00	\$22	\$8	\$0	0.00	\$0	\$0	\$0	\$0	\$0
122	RT	Software Limitation	PG&E	N/A	6-Oct-09	250	No	DEC	5	2:25	6:24	-112.96	\$0	\$0	\$2,984	(93.75)	\$0	\$2,430	\$0	\$0	\$0
123	RT	Software Limitation	PG&E	N/A	6-Oct-09	0	No	INC	5	2:25	6:24	1.25	\$0	\$0	\$144	0.00	\$0	\$0	\$0	\$0	\$0
124	RT	Software Limitation	PG&E	N/A	12-Oct-09	0	Yes	INC	7	17:35	23:59	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
125	RT	Software Limitation	PG&E	N/A	13-Oct-09	338 - 362	Yes	DEC	2	16:30	17:14	-317.72	\$0	\$0	\$4,754	0.00	\$0	\$0	\$0	\$0	\$0
126	RT	Software Limitation	PG&E	N/A	27-Oct-09	20	No	DEC	5	0:00	4:59	3.67	\$0	\$0	(\$104)	0.00	\$0	\$0	\$0	\$0	\$0
127	RT	Software Limitation	PG&E	N/A	27-Oct-09	68 - 968	No	INC	5	0:00	4:59	2,107.17	\$0	\$0	(\$67,468)	1,989.67	(\$63,650)	\$0	\$0	\$0	\$0
128	RT	Software Limitation	PG&E	Fresno	1-Oct-09	0	Yes	INC	1	23:00	23:59	0.00	\$49	\$14	\$0	0.00	\$0	\$0	\$0	\$0	\$0
129	RT	Software Limitation	PG&E	Fresno	2-Oct-09	0	Yes	INC	9	0:00	8:44	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
130	RT	Software Limitation	PG&E	Fresno	3-Oct-09	0	Yes	INC	3	15:20	17:39	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
131	RT	Software Limitation	PG&E	Fresno	5-Oct-09	308	Yes	DEC	21	3:00	23:59	-667.33	\$0	\$0	\$13,702	0.00	\$0	\$0	\$0	\$0	\$0
132	RT	Software Limitation	PG&E	Fresno	6-Oct-09	235 - 354	Yes	DEC	8	0:00	7:14	-1,020.97	\$0	\$0	\$32,559	0.00	\$0	\$0	\$0	\$0	\$0
133	RT	Software Limitation	PG&E	Fresno	6-Oct-09	240	Yes	INC	1	23:00	23:59	286.12	\$0	\$0	(\$7,743)	0.00	\$0	\$0	\$0	\$0	\$0
134	RT	Software Limitation	PG&E	Fresno	7-Oct-09	240	No	INC	24	0:10	23:49	351.24	\$0	\$0	(\$11,114)	63.43	(\$3,520)	\$0	\$0	\$0	\$0
135	RT	Software Limitation	PG&E	Fresno	8-Oct-09	0	Yes	INC	3	4:35	6:34	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
136	RT	Software Limitation	PG&E	Fresno	11-Oct-09	235	Yes	DEC	1	10:00	10:15	-75.66	\$0	\$0	\$2,231	(37.30)	\$0	\$886	\$0	\$0	\$0
137	RT	Software Limitation	PG&E	Fresno	12-Oct-09	0	No	INC	5	5:55	9:59	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
138	RT	Software Limitation	PG&E	Fresno	14-Oct-09	83	No	DEC	8	2:20	9:59	-79.64	\$0	\$0	\$3,789	(79.55)	\$0	\$3,785	\$0	\$0	\$0
139	RT	Software Limitation	PG&E	Fresno	14-Oct-09	0	No	INC	8	2:20	9:59	-3.51	\$0	\$0	\$189	0.00	\$0	\$0	\$0	\$0	\$0
140	RT	Software Limitation	PG&E	Fresno	15-Oct-09	0	Yes	INC	6	3:30	8:59	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
141	RT	Software Limitation	PG&E	Fresno	19-Oct-09	200	No	DEC	4	20:45	23:59	-8.66	\$0	\$0	\$365	(5.29)	\$0	\$223	\$0	\$0	\$0
142	RT	Software Limitation	PG&E	Fresno	19-Oct-09	0	No	INC	4	20:45	23:59	-8.33	\$0	\$0	\$483	0.00	\$0	\$0	\$0	\$0	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
143	RT	Software Limitation	PG&E	Fresno	20-Oct-09	200	No	DEC	4	20:10	23:59	-29.86	\$0	\$0	\$1,395	(0.45)	\$0	\$22	\$0	\$0	\$0
144	RT	Software Limitation	PG&E	Fresno	20-Oct-09	0	No	INC	24	0:00	23:59	-8.33	\$0	\$0	\$506	0.00	\$0	\$0	\$0	\$0	\$0
145	RT	Software Limitation	PG&E	Fresno	21-Oct-09	0	No	INC	2	0:00	1:59	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
146	RT	Software Limitation	PG&E	Fresno	22-Oct-09	0	No	INC	1	0:00	0:59	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
147	RT	Software Limitation	PG&E	Fresno	25-Oct-09	308	No	DEC	8	1:10	8:09	-2,156.00	\$0	\$0	\$81,828	0.00	\$0	\$0	\$0	\$0	\$0
148	RT	Software Limitation	PG&E	Fresno	28-Oct-09	308	No	DEC	1	6:22	6:39	-102.67	\$0	\$0	\$20,028	0.00	\$0	\$0	\$0	\$0	\$0
149	RT	Software Limitation	PG&E	Fresno	31-Oct-09	0	No	INC	1	23:15	23:59	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
150	RT	Software Limitation	PG&E	Humboldt	2-Oct-09	0	Yes	INC	1	9:05	9:34	0.42	\$0	\$0	(\$12)	0.00	\$0	\$0	\$0	\$0	\$0
151	RT	Software Limitation	PG&E	Sierra	3-Oct-09	69	Yes	DEC	2	15:20	16:29	-78.79	\$0	\$0	\$73	(78.79)	\$0	\$73	\$0	\$0	\$0
152	RT	Software Limitation	SCE	Big Creek-Ventura	13-Oct-09	10	Yes	DEC	1	11:15	11:59	-20.83	\$0	\$0	\$980	0.00	\$0	\$0	\$0	\$0	\$0
153	RT	Software Limitation	SCE	Big Creek-Ventura	28-Oct-09	0	Yes	INC	2	22:45	23:14	0.85	\$0	\$0	(\$44)	0.00	\$0	\$0	\$0	\$0	\$0
154	RT	Software Limitation	SCE	N/A	28-Oct-09	16	Yes	DEC	1	0:15	0:19	-58.63	\$0	\$0	\$1,971	0.00	\$0	\$0	\$0	\$0	\$0
155	RT	Software Limitation	SCE	LA Basin	1-Oct-09	0	Yes	INC	2	17:10	18:09	0.00	\$0	\$61	\$0	0.00	\$0	\$0	\$0	\$0	\$0
156	RT	Software Limitation	SCE	LA Basin	2-Oct-09	0	Yes	INC	6	8:45	13:24	10.10	\$0	\$0	(\$1,109)	0.00	\$0	\$0	\$0	\$0	\$0
157	RT	Software Limitation	SCE	LA Basin	3-Oct-09	240 - 258	No	DEC	2	20:55	21:29	-30.20	\$0	\$0	\$704	(25.05)	\$0	\$574	\$0	\$0	\$0
158	RT	Software Limitation	SCE	LA Basin	3-Oct-09	0	Yes	INC	9	15:20	23:59	97.20	\$0	\$0	(\$2,949)	0.00	\$0	\$0	\$0	\$0	\$0
159	RT	Software Limitation	SCE	LA Basin	4-Oct-09	0	No	INC	14	0:00	13:59	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
160	RT	Software Limitation	SCE	LA Basin	13-Oct-09	20	Yes	INC	1	22:00	22:59	20.43	\$631	\$5,070	(\$775)	0.00	\$0	\$0	\$0	\$0	\$0
161	RT	Software Limitation	SCE	LA Basin	14-Oct-09	0	No	INC	5	14:10	18:09	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
162	RT	Software Limitation	SCE	LA Basin	15-Oct-09	0	No	INC	5	0:20	4:19	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
163	RT	Software Limitation	SCE	LA Basin	16-Oct-09	91 - 205	No	DEC	16	8:00	23:59	-2,898.48	\$0	\$0	\$133,901	(2,622.28)	\$0	\$121,676	\$0	\$0	\$0
164	RT	Software Limitation	SCE	LA Basin	16-Oct-09	0	Yes	INC	19	0:30	18:19	-157.50	\$330	\$44	\$4,283	0.00	\$0	\$0	\$0	\$0	\$0
165	RT	Software Limitation	SCE	LA Basin	18-Oct-09	0	Yes	INC	3	6:05	8:04	5.42	\$1,917	\$0	(\$154)	0.00	\$0	\$0	\$0	\$0	\$0
166	RT	Software Limitation	SCE	LA Basin	22-Oct-09	0	Yes	INC	2	8:35	9:19	-3.96	\$0	\$0	\$205	0.00	\$0	\$0	\$0	\$0	\$0
167	RT	Software Limitation	SCE	LA Basin	27-Oct-09	2	No	DEC	5	0:00	4:59	13.17	\$0	\$0	(\$420)	0.00	\$0	\$0	\$0	\$0	\$0
168	RT	Software Limitation	SCE	LA Basin	27-Oct-09	314 - 854	No	INC	5	0:00	4:59	1,123.17	\$0	\$0	(\$35,218)	1,096.67	(\$34,382)	\$0	\$0	\$0	\$0
169	RT	Software Limitation	SCE	LA Basin	31-Oct-09	190	Yes	INC	2	19:55	20:29	26.54	\$1,341	\$0	(\$815)	13.12	(\$539)	\$0	\$0	\$0	\$0
170	RT	Software Limitation	SDG&E	N/A	5-Oct-09	25	Yes	DEC	2	1:45	2:29	-166.67	\$0	\$0	\$2,407	0.00	\$0	\$0	\$0	\$0	\$0
171	RT	Software Limitation	SDG&E	N/A	26-Oct-09	200 - 250	No	DEC	2	0:00	1:34	-383.33	\$0	\$0	\$12,738	(355.73)	\$0	\$11,873	\$0	\$0	\$0
172	RT	Software Limitation	SDG&E	San Diego	1-Oct-09	0	Yes	INC	2	18:55	19:34	1.18	\$184	\$6	(\$89)	0.00	\$0	\$0	\$0	\$0	\$0
173	RT	Software Limitation	SDG&E	San Diego	2-Oct-09	0	Yes	INC	10	8:45	17:49	3.13	\$0	\$5	(\$185)	0.00	\$0	\$0	\$0	\$0	\$0
174	RT	Software Limitation	SDG&E	San Diego	6-Oct-09	0	No	INC	2	6:30	7:14	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
175	RT	Software Limitation	SDG&E	San Diego	7-Oct-09	0	Yes	INC	5	0:00	4:34	33.95	\$0	\$0	(\$810)	0.00	\$0	\$0	\$0	\$0	\$0
176	RT	Software Limitation	SDG&E	San Diego	8-Oct-09	0	Yes	INC	1	23:55	23:59	3.75	\$236	\$0	(\$98)	0.00	\$0	\$0	\$0	\$0	\$0

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Num ber	Mark et Type	Reason	Location	Local Reliability Area	Trade Date	MW	Comm itment	INC_ DEC	Hou rs	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
177	RT	Software Limitation	SDG&E	San Diego	9-Oct-09	0	Yes	INC	1	0:00	0:24	0.00	\$318	\$185	\$0	0.00	\$0	\$0	\$0	\$0	\$0
178	RT	Software Limitation	SDG&E	San Diego	10-Oct-09	0	Yes	INC	1	1:05	1:34	7.50	\$0	\$0	(\$215)	0.00	\$0	\$0	\$0	\$0	\$0
179	RT	Software Limitation	SDG&E	San Diego	12-Oct-09	0	Yes	INC	2	15:25	16:04	1.17	\$194	\$31	(\$40)	0.00	\$0	\$0	\$0	\$0	\$0
180	RT	Software Limitation	SDG&E	San Diego	17-Oct-09	30 - 50	Yes	DEC	2	9:45	10:04	-28.33	\$0	\$0	\$1,576	0.00	\$0	\$0	\$0	\$0	\$0
181	RT	Software Limitation	SDG&E	San Diego	18-Oct-09	0	Yes	INC	2	1:40	2:09	0.00	\$724	\$70	\$0	0.00	\$0	\$0	\$0	\$0	\$0
182	RT	Software Limitation	SDG&E	San Diego	24-Oct-09	290	No	INC	1	23:00	23:59	385.94	\$0	\$0	(\$14,056)	0.00	\$0	\$0	\$0	\$0	\$0
183	RT	Software Limitation	SDG&E	San Diego	25-Oct-09	306	Yes	DEC	1	11:05	11:59	-324.28	\$0	\$0	\$16,050	0.00	\$0	\$0	\$0	\$0	\$0
184	RT	Software Limitation	SDG&E	San Diego	25-Oct-09	0	Yes	INC	1	23:50	23:59	0.00	\$446	\$15	\$0	0.00	\$0	\$0	\$0	\$0	\$0
185	RT	Software Limitation	SDG&E	San Diego	26-Oct-09	0	Yes	INC	1	0:00	0:19	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
186	RT	Software Limitation	SDG&E	San Diego	27-Oct-09	0	Yes	INC	1	3:05	3:59	-20.00	\$0	\$0	(\$261)	0.00	\$0	\$0	\$0	\$0	\$0
187	RT	System Energy	N/A	N/A	13-Oct-09	550	Yes	INC	1	16:00	16:59	278.00	\$0	\$0	(\$14,346)	278.00	(\$14,346)	\$0	(\$3,286)	\$0	\$0
188	RT	System Energy	N/A	N/A	15-Oct-09	450	Yes	INC	1	18:00	18:59	425.00	\$0	\$0	(\$43,558)	425.00	(\$43,558)	\$0	(\$2,397)	\$0	\$0
189	RT	System Energy	N/A	N/A	16-Oct-09	75	No	DEC	1	14:00	14:59	25.00	\$0	\$0	(\$1,261)	25.00	(\$1,261)	\$0	(\$249)	\$0	\$0
190	RT	System Energy	N/A	N/A	16-Oct-09	42	No	INC	1	14:00	14:59	200.00	\$0	\$0	(\$9,002)	200.00	(\$9,002)	\$0	(\$4,414)	\$0	\$0
191	RT	System Energy	N/A	N/A	27-Oct-09	359	Yes	INC	1	0:00	0:59	-59.00	\$0	\$0	\$1,242	(59.00)	\$0	\$1,242	\$0	\$0	\$0
192	RT	T-103	SCE	LA Basin	20-Oct-09	20	Yes	INC	24	0:00	23:59	1,297.88	\$45,976	\$0	(\$67,484)	0.00	\$0	\$0	\$0	\$0	\$0
193	RT	T-103	SCE	LA Basin	28-Oct-09	40	Yes	INC	24	0:00	23:59	5,145.35	\$98,448	\$0	(\$295,348)	1,151.08	(\$56,831)	\$0	\$0	\$0	\$0
194	RT	T-129	PG&E	Fresno	1-Oct-09	52	No	DEC	2	22:05	23:14	1.05	\$0	\$0	(\$30)	0.00	\$0	\$0	\$0	\$0	\$0
195	RT	T-129	PG&E	Fresno	1-Oct-09	20	Yes	INC	22	2:55	23:59	2.35	\$0	\$0	(\$77)	2.31	(\$77)	\$0	\$0	(\$14)	\$0
196	RT	T-129	PG&E	Fresno	2-Oct-09	0	Yes	INC	10	0:00	9:29	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
197	RT	T-129	PG&E	Fresno	16-Oct-09	0	Yes	INC	3	21:25	23:59	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
198	RT	T-129	PG&E	Fresno	17-Oct-09	0	Yes	INC	24	0:00	23:59	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
199	RT	T-129	PG&E	Fresno	18-Oct-09	0	No	INC	11	0:00	10:59	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
200	RT	T-129	PG&E	Fresno	19-Oct-09	0	Yes	INC	9	0:00	8:59	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
201	RT	T-129	PG&E	Fresno	24-Oct-09	52	No	DEC	2	6:19	7:14	-10.56	\$0	\$0	\$27	0.00	\$0	\$0	\$0	\$0	\$0
202	RT	T-129	PG&E	Fresno	24-Oct-09	28 - 48	Yes	INC	2	6:19	7:14	33.39	\$0	\$0	(\$764)	30.81	(\$760)	\$0	\$0	(\$555)	\$0
203	RT	T-133	PG&E	Bay Area	25-Oct-09	85	Yes	INC	3	19:10	21:59	53.97	\$1,701	\$265	(\$5,500)	0.00	\$0	\$0	\$0	\$0	\$0
204	RT	T-138	PG&E	Humboldt	1-Oct-09	5 - 15	Yes	DEC	18	5:16	22:29	-73.80	\$0	\$0	\$2,611	(2.50)	\$0	\$75	\$0	\$0	\$0
205	RT	T-138	PG&E	Humboldt	1-Oct-09	0	Yes	INC	5	6:11	10:19	-0.16	\$0	\$0	\$5	0.00	\$0	\$0	\$0	\$0	\$0
206	RT	T-138	PG&E	Humboldt	2-Oct-09	5 - 10	Yes	DEC	19	5:30	23:12	-44.48	\$0	\$0	\$1,276	0.00	\$0	\$0	\$0	\$0	\$0
207	RT	T-138	PG&E	Humboldt	2-Oct-09	15	Yes	INC	19	5:30	23:33	56.25	\$2,645	\$89	(\$1,608)	13.82	(\$376)	\$0	\$0	(\$2,499)	\$0
208	RT	T-138	PG&E	Humboldt	3-Oct-09	5 - 10	Yes	DEC	18	6:05	23:09	-41.09	\$0	\$0	\$1,059	0.00	\$0	\$0	\$0	\$0	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
209	RT	T-138	PG&E	Humboldt	3-Oct-09	10	Yes	INC	23	1:25	23:59	68.18	\$22,816	\$133	(\$1,585)	10.17	(\$178)	\$0	\$0	(\$2,026)	\$0
210	RT	T-138	PG&E	Humboldt	4-Oct-09	3 - 10	Yes	DEC	18	5:30	22:59	-60.20	\$0	\$0	\$1,604	0.00	\$0	\$0	\$0	\$0	\$0
211	RT	T-138	PG&E	Humboldt	4-Oct-09	10	Yes	INC	24	0:00	23:59	108.51	\$24,470	\$54	(\$5,989)	16.08	(\$346)	\$0	\$0	(\$3,082)	\$0
212	RT	T-138	PG&E	Humboldt	5-Oct-09	5 - 10	Yes	DEC	5	6:30	10:01	-3.39	\$0	\$0	\$145	0.00	\$0	\$0	\$0	\$0	\$0
213	RT	T-138	PG&E	Humboldt	5-Oct-09	25	Yes	INC	23	0:00	22:59	472.08	\$7,593	\$0	(\$12,429)	53.49	(\$1,676)	\$0	\$0	(\$1,720)	\$0
214	RT	T-138	PG&E	Humboldt	6-Oct-09	10	No	INC	15	7:15	21:49	48.96	\$0	\$0	(\$1,625)	48.02	(\$1,582)	\$0	\$0	(\$810)	\$0
215	RT	T-138	PG&E	Humboldt	7-Oct-09	5 - 25	No	INC	13	10:00	22:34	64.38	\$0	\$0	(\$1,831)	63.13	(\$1,796)	\$0	\$0	(\$1,067)	\$0
216	RT	T-138	PG&E	Humboldt	8-Oct-09	35	Yes	INC	8	6:15	13:59	92.71	\$0	\$0	(\$3,322)	89.32	(\$3,195)	\$0	\$0	(\$1,112)	\$0
217	RT	T-138	PG&E	Humboldt	14-Oct-09	5	No	INC	1	22:00	22:04	0.49	\$0	\$0	(\$23)	0.00	\$0	\$0	\$0	\$0	\$0
218	RT	T-138	PG&E	Humboldt	15-Oct-09	5 - 10	Yes	DEC	17	6:15	22:43	-45.21	\$0	\$0	\$3,362	0.00	\$0	\$0	\$0	\$0	\$0
219	RT	T-138	PG&E	Humboldt	15-Oct-09	5	Yes	INC	16	7:25	22:43	2.19	\$0	\$0	(\$91)	0.00	\$0	\$0	\$0	\$0	\$0
220	RT	T-138	PG&E	Humboldt	16-Oct-09	5 - 15	Yes	DEC	18	5:55	22:13	-51.88	\$0	\$0	\$2,963	(5.83)	\$0	\$322	\$0	\$0	\$0
221	RT	T-138	PG&E	Humboldt	16-Oct-09	10	Yes	INC	18	5:55	22:13	2.03	\$661	\$0	(\$124)	1.42	(\$93)	\$0	\$0	(\$152)	\$0
222	RT	T-138	PG&E	Humboldt	17-Oct-09	5 - 10	Yes	DEC	5	18:19	22:34	-38.18	\$0	\$0	\$2,123	0.00	\$0	\$0	\$0	\$0	\$0
223	RT	T-138	PG&E	Humboldt	17-Oct-09	5	Yes	INC	3	20:55	22:34	2.71	\$1,323	\$0	(\$174)	0.00	\$0	\$0	\$0	\$0	\$0
224	RT	T-138	PG&E	Humboldt	18-Oct-09	5	Yes	DEC	5	18:45	22:39	-18.23	\$0	\$0	\$900	0.00	\$0	\$0	\$0	\$0	\$0
225	RT	T-138	PG&E	Humboldt	18-Oct-09	10	Yes	INC	5	18:45	22:39	6.04	\$1,323	\$0	(\$300)	3.26	(\$163)	\$0	\$0	(\$559)	\$0
226	RT	T-138	PG&E	Humboldt	19-Oct-09	5 - 10	Yes	DEC	17	6:00	22:19	-42.19	\$0	\$0	\$2,136	0.00	\$0	\$0	\$0	\$0	\$0
227	RT	T-138	PG&E	Humboldt	19-Oct-09	5	Yes	INC	16	7:00	22:19	0.73	\$992	\$0	(\$51)	0.00	\$0	\$0	\$0	\$0	\$0
228	RT	T-138	PG&E	Humboldt	20-Oct-09	5 - 15	Yes	DEC	18	5:55	22:49	-51.56	\$0	\$0	\$2,649	(2.50)	\$0	\$122	\$0	\$0	\$0
229	RT	T-138	PG&E	Humboldt	20-Oct-09	10	Yes	INC	19	5:55	23:29	20.12	\$5,291	\$0	(\$1,984)	3.11	(\$249)	\$0	\$0	(\$406)	\$0
230	RT	T-138	PG&E	Humboldt	21-Oct-09	10 - 51	Yes	INC	16	8:15	23:59	560.26	\$0	\$0	(\$23,201)	223.63	(\$9,322)	\$0	\$0	(\$9,253)	\$0
231	RT	T-138	PG&E	Humboldt	26-Oct-09	15	No	INC	1	15:05	15:39	10.26	\$0	\$0	(\$429)	8.49	(\$350)	\$0	\$0	(\$192)	\$0
232	RT	T-138	PG&E	Humboldt	31-Oct-09	10	No	DEC	5	17:00	21:59	1.21	\$0	\$0	(\$73)	0.00	\$0	\$0	\$0	\$0	\$0
233	RT	T-138	PG&E	Humboldt	31-Oct-09	10	No	INC	5	17:00	21:59	9.17	\$0	\$0	(\$275)	9.06	(\$272)	\$0	\$0	(\$408)	\$0
234	RT	T-151	PG&E	NCNB	16-Oct-09	11 - 20	No	DEC	8	14:55	21:59	-119.44	\$0	\$0	\$6,090	(119.20)	\$0	\$6,078	\$0	(\$5,312)	\$0
235	RT	T-151	PG&E	NCNB	16-Oct-09	0	No	INC	5	15:00	19:59	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
236	RT	Thermal Margin	SCE	LA Basin	15-Oct-09	25	Yes	INC	21	1:00	21:59	3,972.67	\$45,297	\$0	(\$255,925)	49.83	(\$2,290)	\$0	\$0	\$0	\$0
237	RT	Transmission Outage Other	PG&E	Sierra	28-Oct-09	5	No	DEC	2	17:30	18:29	-5.05	\$0	\$0	\$250	(5.00)	\$0	\$248	\$0	(\$33)	\$0
238	RT	Transmission Outage Other	SCE	Big Creek-Ventura	14-Oct-09	100 - 257	Yes	DEC	22	2:00	23:59	65.08	\$0	\$0	(\$2,932)	0.00	\$0	\$0	\$0	\$0	\$0

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Num ber	Mark et Type	Reason	Location	Local Reliability Area	Trade Date	MW	Comm itment	INC_ DEC	Hou rs	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
239	RT	Transmission Outage Other	SCE	Big Creek-Ventura	14-Oct-09	0	Yes	INC	22	2:00	23:59	583.55	\$0	\$0	(\$39,001)	538.03	(\$24,947)	\$0	\$0	\$0	\$0
240	RT	Transmission Outage Other	SCE	Big Creek-Ventura	15-Oct-09	100	Yes	INC	2	22:00	23:59	248.00	\$14,166	\$0	(\$11,212)	0.00	\$0	\$0	\$0	\$0	\$0
241	RT	Transmission Outage Other	SCE	Big Creek-Ventura	16-Oct-09	100	Yes	INC	24	0:00	23:59	4,320.81	\$173,388	\$0	(\$259,057)	1,480.41	(\$87,173)	\$0	(\$8,784)	\$0	\$0
242	RT	Transmission Outage Other	SCE	Big Creek-Ventura	17-Oct-09	100 - 140	Yes	INC	24	0:00	23:59	5,583.20	\$174,772	\$0	(\$389,349)	4.17	(\$204)	\$0	\$0	\$0	\$0
243	RT	Transmission Outage Other	SCE	LA Basin	17-Oct-09	20 - 45	Yes	INC	2	22:00	23:59	705.77	\$5,971	\$0	(\$37,128)	0.00	\$0	\$0	\$0	\$0	\$0
244	RT	Transmission Outage Other	SDG&E	N/A	30-Oct-09	582	No	DEC	1	18:19	18:34	-78.91	\$0	\$0	\$2,552	(2.55)	\$0	\$56	\$0	(\$3)	\$0
245	RT	Transmission Outage PG&E	N/A	N/A	13-Oct-09	67	No	DEC	3	13:30	15:22	-112.09	\$0	\$0	(\$2,629)	(5.88)	\$0	(\$82)	\$0	(\$8)	\$0
246	RT	Transmission Outage PG&E	PG&E	Bay Area	1-Oct-09	20 - 54	No	DEC	23	1:00	23:59	-109.60	\$0	\$0	\$3,325	(71.46)	\$0	\$2,160	\$0	(\$1,376)	\$0
247	RT	Transmission Outage PG&E	PG&E	Bay Area	1-Oct-09	145 - 309	Yes	INC	23	1:00	23:59	1,180.45	\$0	\$0	(\$38,742)	0.00	\$0	\$0	\$0	\$0	\$0
248	RT	Transmission Outage PG&E	PG&E	Bay Area	2-Oct-09	195 - 313	Yes	INC	21	3:55	23:59	679.43	\$0	\$0	(\$19,551)	0.00	\$0	\$0	\$0	\$0	\$0
249	RT	Transmission Outage PG&E	PG&E	Bay Area	3-Oct-09	124 - 218	No	INC	24	0:00	23:59	2,601.03	\$0	\$0	(\$67,094)	0.00	\$0	\$0	\$0	\$0	\$0
250	RT	Transmission Outage PG&E	PG&E	Bay Area	4-Oct-09	108 - 249	No	INC	22	0:00	21:39	1,284.45	\$0	\$0	(\$27,918)	0.00	\$0	\$0	\$0	\$0	\$0
251	RT	Transmission Outage PG&E	PG&E	Bay Area	5-Oct-09	25 - 95	No	DEC	12	6:55	17:59	-445.18	\$0	\$0	\$12,144	(465.48)	\$0	\$12,793	\$0	(\$5,611)	\$0
252	RT	Transmission Outage PG&E	PG&E	Bay Area	5-Oct-09	219 - 320	No	INC	12	6:55	17:59	2,174.19	\$0	\$0	(\$57,950)	0.00	\$0	\$0	\$0	\$0	\$0
253	RT	Transmission Outage PG&E	PG&E	Bay Area	10-Oct-09	123 - 131	No	INC	4	20:17	23:59	527.52	\$0	\$0	(\$18,736)	0.00	\$0	\$0	\$0	\$0	\$0
254	RT	Transmission Outage PG&E	PG&E	Bay Area	11-Oct-09	102 - 163	No	INC	24	0:00	23:59	2,921.84	\$0	\$0	(\$119,801)	0.00	\$0	\$0	\$0	\$0	\$0
255	RT	Transmission Outage PG&E	PG&E	Bay Area	12-Oct-09	14 - 19	No	DEC	24	0:00	23:59	-158.07	\$0	\$0	\$12,382	(30.58)	\$0	\$2,071	\$0	(\$2,003)	\$0
256	RT	Transmission Outage PG&E	PG&E	Bay Area	12-Oct-09	86 - 152	No	INC	24	0:00	23:59	128.64	\$0	\$0	(\$42,298)	0.00	\$0	\$0	\$0	\$0	\$0
257	RT	Transmission Outage PG&E	PG&E	Bay Area	13-Oct-09	8 - 55	No	DEC	24	0:00	23:59	-720.17	\$0	\$0	\$46,649	(513.92)	\$0	\$40,080	\$0	(\$36,626)	\$0
258	RT	Transmission Outage PG&E	PG&E	Bay Area	13-Oct-09	86 - 456	Yes	INC	24	0:00	23:59	2,185.26	\$13,016	\$2,284	(\$248,352)	233.84	(\$15,881)	\$0	\$0	(\$1,652)	\$0
259	RT	Transmission Outage PG&E	PG&E	Bay Area	14-Oct-09	11 - 41	No	DEC	24	0:15	23:59	-76.63	\$0	\$0	\$3,717	(20.89)	\$0	\$999	\$0	(\$429)	\$0
260	RT	Transmission Outage PG&E	PG&E	Bay Area	14-Oct-09	86 - 136	No	INC	24	0:15	23:59	-612.33	\$0	\$0	\$33,883	0.00	\$0	\$0	\$0	\$0	\$0
261	RT	Transmission Outage PG&E	PG&E	Bay Area	15-Oct-09	145 - 165	No	INC	24	0:00	23:59	-253.23	\$0	\$0	\$16,836	0.00	\$0	\$0	\$0	\$0	\$0
262	RT	Transmission Outage PG&E	PG&E	Bay Area	16-Oct-09	109 - 164	No	INC	24	0:00	23:59	-200.75	\$0	\$0	\$15,686	0.00	\$0	\$0	\$0	\$0	\$0
263	RT	Transmission Outage PG&E	PG&E	Bay Area	26-Oct-09	1 - 17	No	DEC	7	17:45	23:59	-31.75	\$0	\$0	\$1,407	(21.14)	\$0	\$964	\$0	(\$776)	\$0

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Num ber	Mark et Type	Reason	Location	Local Reliability Area	Trade Date	MW	Comm itment	INC_ DEC	Hou rs	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
264	RT	Transmission Outage PG&E	PG&E	Bay Area	26-Oct-09	100 - 164	No	INC	7	17:45	23:59	502.64	\$0	\$0	(\$21,453)	0.00	\$0	\$0	\$0	\$0	\$0
265	RT	Transmission Outage PG&E	PG&E	Bay Area	27-Oct-09	16 - 50	No	DEC	11	11:40	21:19	-241.25	\$0	\$0	\$11,999	(144.47)	\$0	\$7,436	\$0	(\$4,106)	\$0
266	RT	Transmission Outage PG&E	PG&E	Bay Area	27-Oct-09	111 - 557	No	INC	16	8:00	23:59	2,647.71	\$0	\$0	(\$138,416)	0.00	\$0	\$0	\$0	\$0	\$0
267	RT	Transmission Outage PG&E	PG&E	Bay Area	28-Oct-09	21 - 111	No	DEC	18	6:05	23:24	-654.60	\$0	\$0	\$50,388	(586.39)	\$0	\$47,206	\$0	(\$30,818)	\$0
268	RT	Transmission Outage PG&E	PG&E	Bay Area	28-Oct-09	111 - 549	No	INC	22	2:30	23:59	4,499.04	\$0	\$0	(\$268,850)	0.00	\$0	\$0	\$0	\$0	\$0
269	RT	Transmission Outage PG&E	PG&E	Bay Area	30-Oct-09	61 - 300	No	INC	2	5:38	6:59	273.10	\$0	\$0	(\$44,635)	0.00	\$0	\$0	\$0	\$0	\$0
270	RT	Transmission Outage PG&E	PG&E	Bay Area	31-Oct-09	187 - 260	No	INC	24	0:00	23:59	-684.21	\$0	\$0	\$22,725	0.00	\$0	\$0	\$0	\$0	\$0
271	RT	Transmission Outage PG&E	PG&E	N/A	1-Oct-09	68 - 279	Yes	DEC	10	8:15	17:29	-2,287.02	\$0	\$0	\$74,088	(2,170.58)	\$0	\$69,817	\$0	(\$65,952)	\$0
272	RT	Transmission Outage PG&E	PG&E	N/A	12-Oct-09	55 - 105	No	DEC	2	7:05	8:19	-71.92	\$0	\$0	\$3,132	(76.42)	\$0	\$3,297	\$0	(\$2,812)	\$0
273	RT	Transmission Outage PG&E	PG&E	N/A	13-Oct-09	45 - 551	Yes	INC	8	13:32	20:09	854.57	\$5,384	\$357	(\$101,745)	310.72	(\$18,788)	\$0	\$0	(\$2,482)	\$0
274	RT	Transmission Outage PG&E	PG&E	Fresno	13-Oct-09	45 - 128	Yes	INC	3	13:30	15:59	157.94	\$250	\$73	(\$12,747)	69.62	(\$1,416)	\$0	\$0	(\$2,455)	\$0
275	RT	Transmission Outage PG&E	PG&E	Humboldt	7-Oct-09	5 - 20	No	INC	8	7:11	14:34	71.46	\$0	\$0	(\$2,590)	71.25	(\$2,583)	\$0	\$0	(\$721)	\$0
276	RT	Transmission Outage PG&E	PG&E	Humboldt	8-Oct-09	5	No	DEC	4	3:35	6:14	0.78	\$0	\$0	(\$13)	0.00	\$0	\$0	\$0	\$0	\$0
277	RT	Transmission Outage PG&E	PG&E	Humboldt	8-Oct-09	5 - 15	Yes	INC	5	3:35	7:34	30.05	\$0	\$0	(\$730)	26.20	(\$596)	\$0	\$0	(\$709)	\$0
278	RT	Transmission Outage PG&E	PG&E	Humboldt	10-Oct-09	10 - 15	No	DEC	11	4:10	14:59	-157.66	\$0	\$0	\$5,645	(157.40)	\$0	\$5,636	\$0	(\$228)	\$0
279	RT	Transmission Outage PG&E	PG&E	Humboldt	21-Oct-09	40	Yes	INC	2	7:05	8:14	52.17	\$0	\$0	(\$2,279)	22.76	(\$1,004)	\$0	\$0	(\$918)	\$0
280	RT	Transmission Outage PG&E	PG&E	Humboldt	22-Oct-09	10 - 25	No	INC	10	7:20	16:39	143.23	\$0	\$0	(\$6,989)	141.77	(\$6,915)	\$0	\$0	(\$2,058)	\$0
281	RT	Transmission Outage PG&E	PG&E	Humboldt	26-Oct-09	10 - 25	No	INC	9	7:45	15:04	95.83	\$0	\$0	(\$4,634)	93.85	(\$4,541)	\$0	\$0	(\$1,369)	\$0
282	RT	Transmission Outage PG&E	PG&E	Humboldt	30-Oct-09	15	No	DEC	1	15:15	15:44	-8.75	\$0	\$0	\$347	(7.34)	\$0	\$289	\$0	\$0	\$0
283	RT	Transmission Outage PG&E	PG&E	Sierra	1-Oct-09	70	No	DEC	1	6:20	6:59	-83.26	\$0	\$0	\$6,105	0.00	\$0	\$0	\$0	\$0	\$0
284	RT	Transmission Outage PG&E	PG&E	Sierra	1-Oct-09	23	Yes	INC	1	10:00	10:04	0.48	\$0	\$0	(\$6)	0.48	(\$6)	\$0	\$0	\$0	\$0
285	RT	Transmission Outage PG&E	PG&E	Sierra	7-Oct-09	13 - 26	Yes	DEC	9	9:13	17:59	-119.34	\$0	\$0	\$3,332	(118.42)	\$0	\$3,304	\$0	(\$297)	\$0
286	RT	Transmission Outage PG&E	PG&E	Sierra	12-Oct-09	15 - 20	No	DEC	2	7:00	8:19	-21.51	\$0	\$0	\$985	(21.30)	\$0	\$974	\$0	(\$110)	\$0
287	RT	Transmission Outage PG&E	PG&E	Sierra	12-Oct-09	5	No	INC	1	6:55	6:59	-0.16	\$0	\$0	\$8	0.00	\$0	\$0	\$0	\$0	\$0
288	RT	Transmission Outage PG&E	PG&E	Sierra	13-Oct-09	35	No	DEC	2	13:32	14:59	-16.55	\$0	\$0	\$7,194	0.00	\$0	\$0	\$0	\$0	\$0
289	RT	Transmission Outage PG&E	PG&E	Sierra	13-Oct-09	46	Yes	INC	3	13:35	15:59	110.58	\$2,459	\$64	(\$20,271)	17.38	(\$1,267)	\$0	\$0	(\$223)	\$0
290	RT	Transmission Outage PG&E	PG&E	Sierra	21-Oct-09	3 - 7	No	DEC	10	9:10	18:59	-55.76	\$0	\$0	\$2,638	(47.89)	\$0	\$2,296	\$0	(\$254)	\$0

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Num ber	Mark et Type	Reason	Location	Local Reliability Area	Trade Date	MW	Comm itment	INC_ DEC	Hou rs	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
291	RT	Transmission Outage PG&E	PG&E	Sierra	23-Oct-09	5	No	DEC	12	8:13	19:59	-58.76	\$0	\$0	\$3,253	(58.70)	\$0	\$3,250	\$0	(\$488)	\$0
292	RT	Transmission Outage PG&E	PG&E	Sierra	28-Oct-09	5 - 15	Yes	DEC	7	11:30	17:29	-66.98	\$0	\$0	\$2,258	(66.46)	\$0	\$2,263	\$0	(\$33)	\$0
293	RT	Transmission Outage PG&E	PG&E	Sierra	29-Oct-09	4 - 6	No	DEC	3	14:25	16:04	-10.09	\$0	\$0	\$6	(6.48)	\$0	\$106	\$0	(\$14)	\$0
294	RT	Transmission Outage PG&E	PG&E	Sierra	30-Oct-09	12	Yes	DEC	1	11:00	11:19	-3.38	\$0	\$0	\$110	(3.38)	\$0	\$110	\$0	(\$110)	\$0
295	RT	Transmission Outage PG&E	PG&E	Sierra	31-Oct-09	2 - 13	Yes	DEC	10	12:30	21:59	-63.77	\$0	\$0	\$1,992	(61.76)	\$0	\$1,916	\$0	(\$1,377)	\$0
296	RT	Transmission Outage PG&E	PG&E	Sierra	31-Oct-09	1	Yes	INC	4	18:40	21:59	1.49	\$0	\$0	(\$40)	0.00	\$0	\$0	\$0	\$0	\$0
297	RT	Transmission Outage PG&E	PG&E	Stockton	13-Oct-09	160	Yes	INC	2	16:00	17:54	0.00	\$0	\$0	\$0	0.00	\$0	\$0	\$0	\$0	\$0
298	RT	Transmission Outage PG&E	PG&E	Stockton	27-Oct-09	60	Yes	INC	7	9:45	15:59	355.00	\$23,416	\$749	(\$15,024)	0.00	\$0	\$0	\$0	\$0	\$0
299	RT	Transmission Outage PG&E	PG&E	Stockton	28-Oct-09	60	Yes	INC	6	7:35	12:49	316.61	\$20,294	\$672	(\$27,482)	0.00	\$0	\$0	\$0	\$0	\$0
300	RT	Transmission Outage PG&E	SCE	LA Basin	13-Oct-09	196	Yes	DEC	1	13:35	13:44	-38.05	\$0	\$0	(\$200)	(8.90)	\$0	\$433	\$0	(\$17)	\$0
301	RT	Transmission Outage PG&E	SCE	LA Basin	13-Oct-09	50	No	INC	1	13:35	13:44	28.73	\$0	\$0	(\$391)	0.00	\$0	\$0	\$0	\$0	\$0
302	RT	Transmission Outage PG&E	SDG&E	San Diego	13-Oct-09	424 - 449	No	DEC	2	14:40	15:59	-372.92	\$0	\$0	(\$18,722)	(226.22)	\$0	(\$9,166)	\$0	(\$1,012)	\$0
303	RT	Transmission Outage SCE	SCE	Big Creek- Ventura	1-Oct-09	20	Yes	INC	24	0:00	23:59	1,215.62	\$30,751	\$0	(\$106,461)	0.00	\$0	\$0	\$0	\$0	\$0
304	RT	Transmission Outage SCE	SCE	Big Creek- Ventura	2-Oct-09	20	Yes	INC	14	8:00	21:59	1,179.61	\$17,416	\$0	(\$340,067)	0.00	\$0	\$0	\$0	\$0	\$0
305	RT	Transmission Outage SCE	SCE	Big Creek- Ventura	3-Oct-09	20	Yes	INC	15	7:00	21:59	322.50	\$18,100	\$0	(\$16,127)	0.00	\$0	\$0	\$0	\$0	\$0
306	RT	Transmission Outage SCE	SCE	Big Creek- Ventura	4-Oct-09	20	Yes	INC	13	9:00	21:59	299.81	\$14,635	\$0	(\$22,452)	0.00	\$0	\$0	\$0	\$0	\$0
307	RT	Transmission Outage SCE	SCE	Big Creek- Ventura	5-Oct-09	30	Yes	INC	11	4:00	14:59	327.42	\$0	\$0	(\$8,745)	326.59	(\$8,730)	\$0	\$0	(\$2,059)	\$0
308	RT	Transmission Outage SCE	SCE	LA Basin	1-Oct-09	20	Yes	INC	24	0:00	23:59	2,639.98	\$40,602	\$0	(\$199,302)	0.00	\$0	\$0	\$0	\$0	\$0
309	RT	Transmission Outage SCE	SCE	LA Basin	2-Oct-09	2	Yes	DEC	6	15:36	20:26	-1.09	\$0	\$0	\$14	0.00	\$0	\$0	\$0	\$0	\$0
310	RT	Transmission Outage SCE	SCE	LA Basin	2-Oct-09	20 - 146	Yes	INC	10	14:57	23:59	1,012.75	\$55,658	\$937	(\$32,767)	103.15	(\$2,881)	\$0	\$0	(\$874)	\$0
311	RT	Transmission Outage SCE	SCE	LA Basin	3-Oct-09	25	Yes	INC	17	7:00	23:59	1,867.84	\$36,669	\$36,147	(\$56,774)	0.00	\$0	\$0	\$0	\$0	\$0
312	RT	Transmission Outage SCE	SCE	LA Basin	5-Oct-09	20	Yes	INC	24	0:00	23:59	703.07	\$27,673	\$0	(\$19,847)	0.00	\$0	\$0	\$0	\$0	\$0
313	RT	Transmission Outage SCE	SCE	LA Basin	6-Oct-09	31	No	DEC	3	15:05	17:59	23.36	\$0	\$0	(\$1,240)	0.00	\$0	\$0	\$0	\$0	\$0
314	RT	Transmission Outage SCE	SCE	LA Basin	6-Oct-09	45 - 55	No	INC	23	1:00	23:59	2,444.16	\$43,184	\$34,075	(\$104,495)	0.00	\$0	\$0	\$0	\$0	\$0
315	RT	Transmission Outage SCE	SCE	LA Basin	18-Oct-09	20	Yes	INC	14	10:00	23:59	485.00	\$26,760	\$0	(\$22,723)	0.00	\$0	\$0	\$0	\$0	\$0
316	RT	Transmission Outage SDG&E	PG&E	Bay Area	25-Oct-09	156	Yes	INC	5	18:35	22:19	279.06	\$0	\$0	(\$45,141)	128.81	(\$20,111)	\$0	\$0	\$0	\$0
317	RT	Transmission Outage SDG&E	PG&E	Stockton	25-Oct-09	164	Yes	INC	4	18:37	21:59	559.22	\$22,594	\$1,131	(\$76,427)	113.21	(\$7,477)	\$0	\$0	(\$2,890)	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
318	RT	Transmission Outage SDG&E	SDG&E	N/A	25-Oct-09	250 - 1096	No	DEC	7	17:05	23:59	-5,075.02	\$0	\$0	\$390,500	(4,971.22)	\$0	\$370,078	\$0	(\$196,211)	\$0
319	RT	Transmission Outage SDG&E	SDG&E	San Diego	25-Oct-09	136	Yes	INC	13	7:41	19:59	359.53	\$16,878	\$2,070	(\$126,864)	40.15	(\$3,226)	\$0	(\$7,512)	(\$1,676)	\$0
320	RT	Unit Testing	N/A	N/A	1-Oct-09	1 - 3	Yes	INC	5	10:20	14:09	0.49	\$0	\$0	(\$14)	0.06	(\$2)	\$0	\$0	\$0	\$0
321	RT	Unit Testing	N/A	N/A	9-Oct-09	1	Yes	INC	1	11:30	11:39	0.12	\$0	\$0	(\$5)	0.00	\$0	\$0	\$0	\$0	\$0
322	RT	Unit Testing	N/A	N/A	14-Oct-09	1	Yes	INC	1	12:40	12:44	0.03	\$0	\$0	(\$2)	0.03	(\$2)	\$0	\$0	\$0	\$0
323	RT	Unit Testing	N/A	N/A	15-Oct-09	1 - 2	Yes	INC	7	5:00	11:09	0.51	\$0	\$0	(\$19)	0.00	\$0	\$0	\$0	\$0	\$0
324	RT	Unit Testing	N/A	N/A	22-Oct-09	4	Yes	INC	1	16:00	16:09	0.41	\$0	\$0	(\$21)	0.41	(\$21)	\$0	\$0	\$0	\$0
325	RT	Unit Testing	N/A	N/A	23-Oct-09	0	Yes	INC	1	14:00	14:19	0.01	\$0	\$0	(\$0)	0.01	(\$0)	\$0	\$0	\$0	\$0
326	RT	Unit Testing	SDG&E	San Diego	1-Oct-09	604	Yes	INC	1	19:28	19:43	113.66	\$0	\$0	(\$4,900)	27.92	(\$1,215)	\$0	\$0	\$0	\$0
327	RT	Unit Testing	SDG&E	San Diego	2-Oct-09	125 - 430	Yes	INC	4	12:19	15:15	173.62	\$0	\$0	(\$4,596)	61.54	(\$1,972)	\$0	\$0	\$0	\$0
328	RT	Water Management	SCE	Big Creek- Ventura	16-Oct-09	0	Yes	INC	2	1:30	2:59	-0.31	\$0	\$0	\$9	0.00	\$0	\$0	\$0	\$0	\$0

Appendix A: Explanation by Example

All examples listed below are based on fictitious data. Many simplified assumptions are made to explain settlement charge codes, and not all assumptions are explicitly stated in these examples.

For instance settlement charge codes are calculated based on metered quantities, whereas, in these examples the dispatch quantities are assumed to be equal to metered quantities. These assumptions have been made to simply the understanding of settlements calculations.

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 Pmin of 50 MW from hours ending 5 through 10 for a generation procedure G-206. 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 below also shows the commitment costs and the total volume (MWh) of exceptional dispatch instruction for each resource. The minimum load costs and start up costs shown in Table 2 are the eligible minimum load and start up costs which are different from the bid-in minimum load and start up costs¹⁰. Only those quantities which are relevant to pre-day-ahead unit commitments are shown in this table.

Table 2: Instructions Prior to Day-Ahead Market

Date	Market	Resource	Location	Local Reliability Area (LRA)	Begin time	End Time	Dispatch level (MW)	Reason	Total Volume (MWh)	Min-Load Cost	Start- Up Cost	CC6620 (BCR)
01-Jul-09	DA	A	SCE	LA BASIN	05:00	10:00	50	G-219	300	\$5000	\$0	0
01-Jul-09	DA	B	SCE	LA BASIN	08:00	20:00	30	G-219	390	\$6000	\$500	\$4000
01-Jul-09	DA	C	SCE	LA BASIN	09:00	23:00	20	G-219.	300	\$400	\$1000	\$1000

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. The total volume (MWh) is the sum of MWh quantity for each resource, which adds up to 990 MWh. Similarly, all cost information is sum of individual resource costs. It is possible that some resource bid-in zero start-up cost; as seen in this example, resource A bid in zero for its start up cost. Since the ISO does not explicitly pay a resource for bid-in minimum load costs and start-up costs; these costs are recovered through the charge code CC6620 (Bid cost Recovery), this table shows the summary of CC6620 for the classification. In this case it is the sum of CC6620 for all three resources which adds up to \$5000. This column shows the impact of exceptional dispatch on bid cost recovery for all pre-day-ahead exceptional dispatch commitments.

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	Total Volume (MWh)	Min-Load Cost	Start-Up Cost	CC6620
1	DA	G-219	SCE	LA Basin	1-Jul-09	20-100	Yes	N/A	19	05:00	23:00	990	\$11,400	\$1,500	\$5000

¹⁰ Please refer to the BPM configuration Guide: Bid Cost Recovery Settlements published on the ISO's website for details about eligible minimum load and start up costs.

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 is shown in Table 4. This table also shows volume (MWh) and various real-time charge codes associated with the exceptional dispatch instructions. The total MWh column for each resource shows the sum of all types of imbalance energy quantities for this resource between the begin time and end time which includes both the exceptional dispatch energy quantities and optimal energy quantities.

The resource A was committed at its Pmin so its total volume (MWh) is equal to its pmin times the number of hours, which is calculated as 30 MW times 6 hours and is equal to 180 MWh. The resource Minimum load costs and the start up costs are its eligible commitment costs for that period. LMP at this resource is \$10/MWh, so the charge code CC6470 is calculated at (180 MWh *\$10/MWh) and is equal to 1800. Since this resource is not dispatched above its Pmin, it has a zero volume (MWh) of exceptional dispatch. As a result, all charge codes associated with the exceptional dispatch increment or decrement quantities are zero.

Resource B is dispatched 20 MW above its day-ahead schedule, so its total volume (MWH) is calculated as 20 MW times 3 hours which is equal to 60 MWh. Since the resource was committed in Day-Ahead market there is no minimum load quantity and start up costs associated with this resource. The resource had a bid price of \$100/MWh and the LMP at that resource was \$10/MWh. All of 60 MWh is considered as exceptional dispatch incremental quantity which is shown in ED Volume (MWH INC/DEC) column. The charge code CC6470 INC is calculated as 60 MWh * resource LMP (\$10/MWh) which is equal to \$600. Since the only imbalance energy in this timeframe was the exceptional dispatch volume, the charge code CC6470 is equal to CC6470 INC. The charge code CC6488 is calculated as MWH quantity *(bid price – LMP), which is equal to \$5400 (60 MWh *(\$10/MWh-\$100/MWh)). Similarly, volumes and real-time charge codes are calculated for resource C.

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	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488
1-Jul-09	RT	A	PG&E	Humboldt	6:00	11:00	30	0	Yes	INC	30	t-138	180	1000	50	800	60	600	0	0	5400
1-Jul-09	RT	B	PG&E	Humboldt	7:00	9:00	40	20	No	INC	20	t-138	60	0	0	600	60	600	0	0	5400
1-Jul-09	RT	C	PG&E	Humboldt	12:00	15:00	50	50	No	INC	0	t-138	0	0	0	0	0	0	0	0	0
1-Jul-09	RT	C	PG&E	Humboldt	16:00	20:00	50	40	No	INC	10	t-138	50	0	0	300	20	300	0	0	200

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. Both volume and cost information columns are simply the summation for all the respective columns for resource A, B and C. For instance the Total volume (MWh) column is calculated as summation of 180,60,0 and 50 which are the individual volumes (MWh) for resources A, B and C for time periods shown in Table 4 on the previous page.

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	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488
1	RT	T-138	PG&E	Humboldt	1-Jul-09	0-50	Yes	INC	15	6:00	20:00	290	1000	50	1700	140	1500	0	0	11000

Please note that it is possible that the ISO would dispatch a particular resource for instance at 10 MW from hours ending 1 through 4, and all or part of its energy might settle as optimal energy. This situation occurs when the LMP at the resource pricing node is above the resource bid price. This cost will only be captured in charge code 6470. It is also possible that ISO issues an exceptional dispatch for the resource to operate at a minimum of 10 MW which is its Pmin; however the market application might dispatch this resource above Pmin because the resource is economical. When this occurs, the charge code CC6470 and the total MWh quantity might overstate the actual exceptional dispatch MWh quantities. So, to best estimate the cost and volume (MWh) of exceptional dispatch it is appropriate to consider only the following columns: ED MWh (INC/DEC), CC6470 INC, CC6470 DEC, CC6482, CC6488.

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. This table also includes volume (MWh) and cost information.

The resource A is committed in real-time at its Pmin, its total volume (MWh) is 20MW *6 hours which is equal to 120 MWh. This resource has a zero MW of incremental dispatch in all hours, so all other relevant cost and volume columns result in zeros. The resource B has a decremental MW of 20 MW in 3 hours, which results in 60 MWh of decremental volume. Since this resource is not committed in real-time, both the minimum load cost and start up costs are zero. This resource had a bid price of \$50/MWh and LMP at the resource pricing node is \$10/ MWh. Based on this information CC6470-Dec is calculated as 60 MWh *\$10/MWh which is equal to \$600. Since this resource has its ED volume (MWh) equal to its Total volume, CC6470 is equal to CC6470- DEC. The CC6488 is calculated as (60 MWh * (\$50/MWh - \$10/MWh)) which is equal to \$2400. Resource C had a bid price of \$10/MWh and the LMP at it is pricing node is \$50/MWh. Based on this information, volume and cost information is calculated for resource C.

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	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488
1-Jul-09	RT	A	PG&E	Fresno	15:00	20:00	20	0	Yes	INC	20	t-129	120	\$ 120	\$ 100	\$ -	0	\$ -	\$ -	\$ -	\$ -
1-Jul-09	RT	B	PG&E	Fresno	7:00	9:00	40	60	No	DEC	20	t-129	(60)	\$ -	\$ -	\$ 600	-60	\$ -	\$ 600	\$ -	\$2,400
1-Jul-09	RT	C	PG&E	Fresno	10:00	14:00	40	50	No	DEC	10	t-129	(50)	\$ -	\$ -	\$ 500	-50	\$ -	\$ 500	\$ -	\$2,000

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 incs and decs 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. The volume and cost information are summarized by INC and DEC classification.

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	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488
1	RT	T-129	PG&E	Fresno	1-Jul-09	20	Yes	INC	6	15:00	20:00	120	\$ 120	\$ 100	\$ -	0	\$ -	\$ -	\$ -	\$ -
2	RT	T-129	PG&E	Fresno	1-Jul-09	10-20	Yes	DEC	8	7:00	14:00	(110)	\$ -	\$ -	\$ (1,100)	\$ (110)	\$ -	\$ (1,100)	\$ -	\$ (4,400)

Appendix B: Price Impact Analysis

In the September 2 FERC order, FERC requested the ISO to perform price impact analysis on two distinct pricing nodes for the entire reporting period. The order also mentioned that the ISO must pick two pricing nodes for the entire reporting period that are most impacted by the exceptional dispatch instructions, and the two pricing nodes must belong to two different load aggregation points (LAPs).

Based on this requirement the ISO implemented a methodology to perform price impact analysis. First, the ISO identified a heavily impacted pricing node from each of the Pacific Gas and Electric (PG&E) LAP and Southern California Edison (SCE) LAP. These two pricing nodes had the maximum amount of exceptional dispatch volume (MWh) in their respective LAP. Point A is in PG&E LAP and point B is in SCE LAP. Please note these two points correspond to an actual pricing node in the ISO system. Only one resource was connected to each of these pricing nodes. For each resource the following input parameters were obtained to perform the analysis:

- Exceptional dispatch information: constrained level, constraint type, start of exceptional dispatch instruction and end of exceptional dispatch instruction.
- Real-Time LMPs for each of the five minute interval for the month.
- Real-Time hourly bid set for each trade hour.
- Day-Ahead award for the resources.

The exceptional dispatch intervals have a begin time and an end time which can span as small as one minute to as large as 24 hours. Since the market application dispatches resources on five-minute basis, the exceptional dispatch instructions for each of these resources were broken down into five-minute intervals. If the begin time or end time for an instruction was in the middle of the five-minute interval, that instruction was rounded up to the next five-minute interval. These five-minute intervals were then coupled with resource five-minute LMPs calculated by the real-time market application. Also, the hourly bid information and the hourly day-ahead schedule were put together to create a dataset that had all the necessary information to perform price impact analysis.

An exceptional dispatch instruction can be generally classified as a start up instruction, an instruction to be dispatched at or above the constrained level, an instruction to be dispatched at or below a constrained level, an instruction to be dispatched at a fixed constrained level, or a shut down instruction. In general, the Locational Marginal Price (LMP) is set by a resource which can provide the next incremental MW of energy. Based on this definition of LMP and the classification of exceptional dispatches based on constraint type, a resource is allowed to set the LMP in only those intervals in which the resource is eligible to move either up or down from its constrained level. Hence, in those intervals in which the resource was constrained up at its Pmax or, in other words, the resource was exceptionally dispatched to its Pmax and forced to generate at that level, the resource was considered ineligible to set the price as it had no room to move up. Similarly, if the resource was constrained down at its Pmin, then the resource was not eligible to set the price. All those intervals in which the resource was ineligible to set the price were dropped from the dataset under consideration. From this dataset of only eligible intervals, for both pricing nodes A and B, LMPs were calculated for all intervals based on the resource dispatch level and the its bid set. The calculated LMP is equal to that bid price corresponding to the constrained MW segment.

Table 8 shows the price impact analysis information for node A, which is located in the PG&E area. This table shows all the five minute intervals in which the resource at PNode A was issued an exceptional dispatch instruction. Out of the 8928 five-minute intervals in October, this resource was issued exceptional dispatch instructions in 110 five-minute intervals. This resource was eligible to set the LMP in 92 intervals of the 110 intervals. The resource calculated LMP was less than the market LMP in 5 out of the 92 intervals, and in the rest of the 87 intervals, the average increase in five minute LMP was \$3.78/MWh. This implies that if the ISO was able to model the constraint for this exceptional dispatch, then this resource and all other pricing nodes associated with that constraint would observe an average increase of \$3.78/MWh. Note that 87 five minute intervals in October are approximately 1percent of the total 8928 five minute.

Table 9 shows the price impact analysis information for node B, which is located in the SCE area. This table shows all the five minute intervals in which the resource at PNode B was issued an exceptional dispatch instruction. Out of the 8928 five minute intervals, this resource was issued an exceptional dispatch instruction in 1043 five minute intervals. Out of the 1043 intervals, this resource was eligible to set the LMP in 1007 intervals. The resource calculated LMP was less than the market LMP in 258 out of the 1007 intervals, and in the rest of the 749 intervals the average increase in five minute LMP was \$18.07/MWh. This implies that if the ISO was able to model the constraint for this exceptional dispatch, then this resource and all other pricing nodes associated with that constraint would observe an average increase of \$18.07/MWh. In the month of October, the 749 five minute intervals account for approximately 8.4 percent of the total 8928 five minute intervals.

Table 8: Price Impact Analysis Information for Pricing Node A in PG&E LAP

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1	6-Oct-09	7	1	\$34.06	No	\$27.36	-\$6.70
2	6-Oct-09	7	2	\$25.99	No	\$27.36	\$1.37
3	6-Oct-09	7	3	\$27.64	No	\$27.36	-\$0.28
4	6-Oct-09	7	4	\$34.30	No	\$27.36	-\$6.94
5	6-Oct-09	7	5	\$32.20	No	\$27.36	-\$4.84
6	6-Oct-09	7	6	\$26.16	No	\$27.36	\$1.20
7	6-Oct-09	7	7	\$31.47	No	\$27.36	-\$4.11
8	6-Oct-09	7	8	\$35.22	No	\$27.36	-\$7.86
9	6-Oct-09	7	9	\$32.27	No	\$27.36	-\$4.91
10	6-Oct-09	7	10	\$35.17	No	\$27.36	-\$7.81
11	6-Oct-09	7	11	\$27.09	No	\$27.36	\$0.27
12	6-Oct-09	7	12	\$34.54	No	\$27.36	-\$7.18
13	6-Oct-09	8	1	\$31.73	No	\$27.36	-\$4.37
14	6-Oct-09	8	2	\$31.73	No	\$27.36	-\$4.37
15	6-Oct-09	8	3	\$29.55	No	\$27.36	-\$2.19
16	6-Oct-09	24	1	\$34.37	Yes	\$26.61	-\$7.76
17	6-Oct-09	24	2	\$30.33	Yes	\$26.61	-\$3.72
18	6-Oct-09	24	3	\$27.90	Yes	\$26.61	-\$1.29
19	6-Oct-09	24	4	\$27.06	Yes	\$26.61	-\$0.45
20	6-Oct-09	24	5	\$27.23	Yes	\$26.61	-\$0.62
21	6-Oct-09	24	6	\$26.02	Yes	\$26.61	\$0.59
22	6-Oct-09	24	7	\$25.90	Yes	\$26.61	\$0.71
23	6-Oct-09	24	8	\$25.77	Yes	\$26.61	\$0.84
24	6-Oct-09	24	9	\$24.78	Yes	\$26.61	\$1.83
25	6-Oct-09	24	10	\$23.09	Yes	\$26.61	\$3.52
26	6-Oct-09	24	11	\$25.61	Yes	\$26.61	\$1.00
27	6-Oct-09	24	12	\$25.61	Yes	\$26.61	\$1.00
28	7-Oct-09	1	3	\$26.43	Yes	\$29.05	\$2.62
29	7-Oct-09	1	4	\$26.39	Yes	\$29.05	\$2.66
30	7-Oct-09	1	5	\$26.12	Yes	\$29.05	\$2.93
31	7-Oct-09	1	6	\$26.28	Yes	\$29.05	\$2.77
32	7-Oct-09	1	7	\$26.27	Yes	\$29.05	\$2.78
33	7-Oct-09	1	8	\$26.27	Yes	\$29.05	\$2.78
34	7-Oct-09	1	9	\$26.39	Yes	\$29.05	\$2.66
35	7-Oct-09	1	10	\$26.31	Yes	\$29.05	\$2.74
36	7-Oct-09	2	1	\$27.13	Yes	\$29.05	\$1.92
37	7-Oct-09	2	2	\$26.37	Yes	\$29.05	\$2.68
38	7-Oct-09	2	3	\$26.37	Yes	\$29.05	\$2.68
39	7-Oct-09	2	4	\$26.10	Yes	\$29.05	\$2.95
40	7-Oct-09	2	5	\$26.10	Yes	\$29.05	\$2.95
41	7-Oct-09	2	6	\$26.10	Yes	\$29.05	\$2.95
42	7-Oct-09	2	7	\$26.04	Yes	\$29.05	\$3.01
43	7-Oct-09	2	8	\$26.04	Yes	\$29.05	\$3.01

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
44	7-Oct-09	2	9	\$25.92	Yes	\$29.05	\$3.13
45	7-Oct-09	2	10	\$25.89	Yes	\$29.05	\$3.16
46	7-Oct-09	2	11	\$25.89	Yes	\$29.05	\$3.16
47	7-Oct-09	2	12	\$26.02	Yes	\$29.05	\$3.03
48	11-Oct-09	11	1	\$33.61	No	\$33.72	\$0.11
49	11-Oct-09	11	2	\$32.00	No	\$33.72	\$1.72
50	11-Oct-09	11	3	\$33.00	No	\$33.72	\$0.72
51	28-Oct-09	1	1	\$37.56	Yes	\$39.00	\$1.44
52	28-Oct-09	1	2	\$28.26	Yes	\$39.00	\$10.74
53	28-Oct-09	1	3	\$31.32	Yes	\$39.00	\$7.68
54	28-Oct-09	1	4	\$37.38	Yes	\$39.00	\$1.62
55	28-Oct-09	1	5	\$37.38	Yes	\$39.00	\$1.62
56	28-Oct-09	1	6	\$37.38	Yes	\$39.00	\$1.62
57	28-Oct-09	1	7	\$31.32	Yes	\$39.00	\$7.68
58	28-Oct-09	1	8	\$31.64	Yes	\$39.00	\$7.36
59	28-Oct-09	1	9	\$31.64	Yes	\$39.00	\$7.36
60	28-Oct-09	1	10	\$37.54	Yes	\$39.00	\$1.46
61	28-Oct-09	1	11	\$37.54	Yes	\$39.00	\$1.46
62	28-Oct-09	1	12	\$37.54	Yes	\$39.00	\$1.46
63	28-Oct-09	2	1	\$38.03	Yes	\$39.00	\$0.97
64	28-Oct-09	2	2	\$37.57	Yes	\$39.00	\$1.43
65	28-Oct-09	2	3	\$37.57	Yes	\$39.00	\$1.43
66	28-Oct-09	2	4	\$38.56	Yes	\$39.00	\$0.44
67	28-Oct-09	2	5	\$38.78	Yes	\$39.00	\$0.22
68	28-Oct-09	2	6	\$37.96	Yes	\$39.00	\$1.04
69	28-Oct-09	2	7	\$37.55	Yes	\$39.00	\$1.45
70	28-Oct-09	2	8	\$36.92	Yes	\$39.00	\$2.08
71	28-Oct-09	2	9	\$36.16	Yes	\$39.00	\$2.84
72	28-Oct-09	2	10	\$31.30	Yes	\$39.00	\$7.70
73	28-Oct-09	2	11	\$31.80	Yes	\$39.00	\$7.20
74	28-Oct-09	2	12	\$35.49	Yes	\$39.00	\$3.51
75	28-Oct-09	3	1	\$31.36	Yes	\$39.00	\$7.64
76	28-Oct-09	3	2	\$32.04	Yes	\$39.00	\$6.96
77	28-Oct-09	3	3	\$30.15	Yes	\$39.00	\$8.85
78	28-Oct-09	3	4	\$30.92	Yes	\$39.00	\$8.08
79	28-Oct-09	3	5	\$31.94	Yes	\$39.00	\$7.06
80	28-Oct-09	3	6	\$31.84	Yes	\$39.00	\$7.16
81	28-Oct-09	3	7	\$27.46	Yes	\$39.00	\$11.54
82	28-Oct-09	3	8	\$27.46	Yes	\$39.00	\$11.54
83	28-Oct-09	3	9	\$28.57	Yes	\$39.00	\$10.43
84	28-Oct-09	3	10	\$30.36	Yes	\$39.00	\$8.64
85	28-Oct-09	3	11	\$31.73	Yes	\$39.00	\$7.27
86	28-Oct-09	3	12	\$34.99	Yes	\$39.00	\$4.01
87	28-Oct-09	4	1	\$32.77	Yes	\$39.00	\$6.23
88	28-Oct-09	4	2	\$35.38	Yes	\$39.00	\$3.62

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
89	28-Oct-09	4	3	\$35.99	Yes	\$39.00	\$3.01
90	28-Oct-09	4	4	\$32.76	Yes	\$39.00	\$6.24
91	28-Oct-09	4	5	\$32.76	Yes	\$39.00	\$6.24
92	28-Oct-09	4	6	\$32.76	Yes	\$39.00	\$6.24
93	28-Oct-09	4	7	\$32.72	Yes	\$39.00	\$6.28
94	28-Oct-09	4	8	\$35.54	Yes	\$39.00	\$3.46
95	28-Oct-09	4	9	\$36.11	Yes	\$39.00	\$2.89
96	28-Oct-09	4	10	\$36.21	Yes	\$39.00	\$2.79
97	28-Oct-09	4	11	\$36.98	Yes	\$39.00	\$2.02
98	28-Oct-09	4	12	\$36.98	Yes	\$39.00	\$2.02
99	28-Oct-09	5	1	\$32.73	Yes	\$39.00	\$6.27
100	28-Oct-09	5	2	\$36.12	Yes	\$39.00	\$2.88
101	28-Oct-09	5	3	\$36.16	Yes	\$39.00	\$2.84
102	28-Oct-09	5	4	\$35.96	Yes	\$39.00	\$3.04
103	28-Oct-09	5	5	\$36.20	Yes	\$39.00	\$2.80
104	28-Oct-09	5	6	\$35.62	Yes	\$39.00	\$3.38
105	28-Oct-09	5	7	\$38.01	Yes	\$39.00	\$0.99
106	28-Oct-09	5	8	\$37.41	Yes	\$39.00	\$1.59
107	28-Oct-09	5	9	\$36.92	Yes	\$39.00	\$2.08
108	28-Oct-09	5	10	\$37.42	Yes	\$39.00	\$1.58
109	28-Oct-09	5	11	\$37.42	Yes	\$39.00	\$1.58
110	28-Oct-09	5	12	\$37.42	Yes	\$39.00	\$1.58

Table 9: Price Impact Analysis Information for Pricing Node B in SCE LAP

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1	14-Oct-09	3	1	-\$75.23	Yes	\$61.83	\$137.06
2	14-Oct-09	3	2	-\$73.40	Yes	\$61.83	\$135.23
3	14-Oct-09	3	3	-\$54.93	Yes	\$61.83	\$116.76
4	14-Oct-09	3	4	-\$55.16	Yes	\$61.83	\$116.99
5	14-Oct-09	3	5	-\$74.81	Yes	\$61.83	\$136.64
6	14-Oct-09	3	6	-\$52.87	Yes	\$61.83	\$114.70
7	14-Oct-09	3	7	-\$86.05	Yes	\$61.83	\$147.88
8	14-Oct-09	3	8	-\$86.05	Yes	\$61.83	\$147.88
9	14-Oct-09	3	9	-\$79.20	Yes	\$61.83	\$141.03
10	14-Oct-09	3	10	-\$56.00	Yes	\$61.83	\$117.83
11	14-Oct-09	3	11	-\$71.99	Yes	\$61.83	\$133.82
12	14-Oct-09	3	12	-\$52.36	Yes	\$61.83	\$114.19
13	14-Oct-09	4	1	-\$73.08	Yes	\$61.83	\$134.91
14	14-Oct-09	4	2	-\$52.61	Yes	\$61.83	\$114.44
15	14-Oct-09	4	3	\$25.02	Yes	\$61.83	\$36.81

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
16	14-Oct-09	4	4	-\$1.92	Yes	\$61.83	\$63.75
17	14-Oct-09	4	5	\$16.09	Yes	\$61.83	\$45.74
18	14-Oct-09	4	6	\$27.69	Yes	\$61.83	\$34.14
19	14-Oct-09	4	7	\$32.27	Yes	\$61.83	\$29.56
20	14-Oct-09	4	8	\$31.48	Yes	\$61.83	\$30.35
21	14-Oct-09	4	9	\$32.03	Yes	\$61.83	\$29.80
22	14-Oct-09	4	10	-\$14.16	Yes	\$61.83	\$75.99
23	14-Oct-09	4	11	\$16.13	Yes	\$61.83	\$45.70
24	14-Oct-09	4	12	\$16.13	Yes	\$61.83	\$45.70
25	14-Oct-09	5	1	\$25.63	Yes	\$61.83	\$36.20
26	14-Oct-09	5	2	\$27.82	Yes	\$61.83	\$34.01
27	14-Oct-09	5	3	\$28.04	Yes	\$61.83	\$33.79
28	14-Oct-09	5	4	\$27.72	Yes	\$61.83	\$34.11
29	14-Oct-09	5	5	\$28.09	Yes	\$61.83	\$33.74
30	14-Oct-09	5	6	\$28.29	Yes	\$61.83	\$33.54
31	14-Oct-09	5	7	\$30.69	Yes	\$61.83	\$31.14
32	14-Oct-09	5	8	\$31.13	Yes	\$61.83	\$30.70
33	14-Oct-09	5	9	\$31.50	Yes	\$61.83	\$30.33
34	14-Oct-09	5	10	\$31.64	Yes	\$61.83	\$30.19
35	14-Oct-09	5	11	\$32.35	Yes	\$61.83	\$29.48
36	14-Oct-09	5	12	\$31.05	Yes	\$61.83	\$30.78
37	14-Oct-09	6	1	\$28.19	Yes	\$61.83	\$33.64
38	14-Oct-09	6	2	\$23.76	Yes	\$61.83	\$38.07
39	14-Oct-09	6	3	\$25.96	Yes	\$61.83	\$35.87
40	14-Oct-09	6	4	\$28.30	Yes	\$61.83	\$33.53
41	14-Oct-09	6	5	\$28.23	Yes	\$61.83	\$33.60
42	14-Oct-09	6	6	\$28.23	Yes	\$61.83	\$33.60
43	14-Oct-09	6	7	\$28.42	Yes	\$61.83	\$33.41
44	14-Oct-09	6	8	\$28.42	Yes	\$61.83	\$33.41
45	14-Oct-09	6	9	\$28.42	Yes	\$61.83	\$33.41
46	14-Oct-09	6	10	\$29.83	Yes	\$61.83	\$32.00
47	14-Oct-09	6	11	\$29.83	Yes	\$61.83	\$32.00
48	14-Oct-09	6	12	\$34.36	Yes	\$61.83	\$27.47
49	14-Oct-09	7	1	\$24.74	Yes	\$61.83	\$37.09
50	14-Oct-09	7	2	\$24.74	Yes	\$61.83	\$37.09
51	14-Oct-09	7	3	\$35.53	Yes	\$61.83	\$26.30
52	14-Oct-09	7	4	\$35.95	Yes	\$61.83	\$25.88
53	14-Oct-09	7	5	\$42.33	Yes	\$61.83	\$19.50
54	14-Oct-09	7	6	\$38.39	Yes	\$61.83	\$23.44
55	14-Oct-09	7	7	\$35.63	Yes	\$61.83	\$26.20
56	14-Oct-09	7	8	\$36.48	Yes	\$61.83	\$25.35
57	14-Oct-09	7	9	\$47.15	Yes	\$61.83	\$14.68
58	14-Oct-09	7	10	\$55.09	Yes	\$61.83	\$6.74
59	14-Oct-09	7	11	\$47.75	Yes	\$61.83	\$14.08
60	14-Oct-09	7	12	\$47.75	Yes	\$61.83	\$14.08

Department of Market Services – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
61	14-Oct-09	8	1	\$40.17	Yes	\$61.83	\$21.66
62	14-Oct-09	8	2	\$36.33	Yes	\$61.83	\$25.50
63	14-Oct-09	8	3	\$44.28	Yes	\$61.83	\$17.55
64	14-Oct-09	8	4	\$41.80	Yes	\$61.83	\$20.03
65	14-Oct-09	8	5	\$46.45	Yes	\$61.83	\$15.38
66	14-Oct-09	8	6	\$45.80	Yes	\$61.83	\$16.03
67	14-Oct-09	8	7	\$71.02	Yes	\$61.83	-\$9.19
68	14-Oct-09	8	8	\$71.02	Yes	\$61.83	-\$9.19
69	14-Oct-09	8	9	\$63.65	Yes	\$61.83	-\$1.82
70	14-Oct-09	8	10	\$47.29	Yes	\$61.83	\$14.54
71	14-Oct-09	8	11	\$47.29	Yes	\$61.83	\$14.54
72	14-Oct-09	8	12	\$61.81	Yes	\$61.83	\$0.02
73	14-Oct-09	9	1	\$46.04	Yes	\$61.83	\$15.79
74	14-Oct-09	9	2	\$40.23	Yes	\$61.83	\$21.60
75	14-Oct-09	9	3	\$40.23	Yes	\$61.83	\$21.60
76	14-Oct-09	9	4	\$44.00	Yes	\$61.83	\$17.83
77	14-Oct-09	9	5	\$45.74	Yes	\$61.83	\$16.09
78	14-Oct-09	9	6	\$45.62	Yes	\$61.83	\$16.21
79	14-Oct-09	9	7	\$46.01	Yes	\$61.83	\$15.82
80	14-Oct-09	9	8	\$46.01	Yes	\$61.83	\$15.82
81	14-Oct-09	9	9	\$47.53	Yes	\$61.83	\$14.30
82	14-Oct-09	9	10	\$45.72	Yes	\$61.83	\$16.11
83	14-Oct-09	9	11	\$47.18	Yes	\$61.83	\$14.65
84	14-Oct-09	9	12	\$53.72	Yes	\$61.83	\$8.11
85	14-Oct-09	10	1	\$45.53	Yes	\$16.83	-\$28.70
86	14-Oct-09	10	2	\$43.57	Yes	\$16.83	-\$26.74
87	14-Oct-09	10	3	\$45.53	Yes	\$16.83	-\$28.70
88	14-Oct-09	10	4	\$43.28	Yes	\$16.83	-\$26.45
89	14-Oct-09	10	5	\$43.49	Yes	\$16.83	-\$26.66
90	14-Oct-09	10	6	\$45.55	Yes	\$16.83	-\$28.72
91	14-Oct-09	10	7	\$45.69	Yes	\$16.83	-\$28.86
92	14-Oct-09	10	8	\$45.69	Yes	\$16.83	-\$28.86
93	14-Oct-09	10	9	\$45.96	Yes	\$16.83	-\$29.13
94	14-Oct-09	10	10	\$45.60	Yes	\$16.83	-\$28.77
95	14-Oct-09	10	11	\$45.60	Yes	\$16.83	-\$28.77
96	14-Oct-09	10	12	\$45.46	Yes	\$16.83	-\$28.63
97	14-Oct-09	11	1	\$45.02	No	\$8.04	-\$36.98
98	14-Oct-09	11	2	\$43.55	No	\$8.04	-\$35.51
99	14-Oct-09	11	3	\$45.51	No	\$8.04	-\$37.47
100	14-Oct-09	11	4	\$44.42	No	\$8.04	-\$36.38
101	14-Oct-09	11	5	\$45.63	No	\$8.04	-\$37.59
102	14-Oct-09	11	6	\$45.36	No	\$8.04	-\$37.32
103	14-Oct-09	11	7	\$45.21	No	\$8.04	-\$37.17
104	14-Oct-09	11	8	\$45.56	No	\$8.04	-\$37.52
105	14-Oct-09	11	9	\$44.59	No	\$8.04	-\$36.55

Department of Market Services – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
106	14-Oct-09	11	10	\$46.00	No	\$8.04	-\$37.96
107	14-Oct-09	11	11	\$45.38	No	\$8.04	-\$37.34
108	14-Oct-09	11	12	\$44.77	No	\$8.04	-\$36.73
109	14-Oct-09	12	1	\$45.12	No	\$8.04	-\$37.08
110	14-Oct-09	12	2	\$44.57	No	\$8.04	-\$36.53
111	14-Oct-09	12	3	\$44.06	No	\$8.04	-\$36.02
112	14-Oct-09	12	4	\$45.05	No	\$8.04	-\$37.01
113	14-Oct-09	12	5	\$50.13	No	\$8.04	-\$42.09
114	14-Oct-09	12	6	\$71.02	No	\$8.04	-\$62.98
115	14-Oct-09	12	7	\$47.97	No	\$8.04	-\$39.93
116	14-Oct-09	12	8	\$47.75	No	\$8.04	-\$39.71
117	14-Oct-09	12	9	\$46.52	No	\$8.04	-\$38.48
118	14-Oct-09	12	10	\$45.10	No	\$8.04	-\$37.06
119	14-Oct-09	12	11	\$45.12	No	\$8.04	-\$37.08
120	14-Oct-09	12	12	\$45.98	No	\$8.04	-\$37.94
121	14-Oct-09	13	1	\$45.24	No	\$8.04	-\$37.20
122	14-Oct-09	13	2	\$44.60	No	\$8.04	-\$36.56
123	14-Oct-09	13	3	\$44.01	No	\$8.04	-\$35.97
124	14-Oct-09	13	4	\$45.43	No	\$8.04	-\$37.39
125	14-Oct-09	13	5	\$45.53	No	\$8.04	-\$37.49
126	14-Oct-09	13	6	\$45.43	No	\$8.04	-\$37.39
127	14-Oct-09	13	7	\$45.43	No	\$8.04	-\$37.39
128	14-Oct-09	13	8	\$45.43	No	\$8.04	-\$37.39
129	14-Oct-09	13	9	\$45.55	No	\$8.04	-\$37.51
130	14-Oct-09	13	10	\$45.79	No	\$8.04	-\$37.75
131	14-Oct-09	13	11	\$45.65	No	\$8.04	-\$37.61
132	14-Oct-09	13	12	\$59.60	No	\$8.04	-\$51.56
133	14-Oct-09	14	1	\$47.87	Yes	\$11.83	-\$36.04
134	14-Oct-09	14	2	\$36.73	Yes	\$11.83	-\$24.90
135	14-Oct-09	14	3	\$41.90	Yes	\$11.83	-\$30.07
136	14-Oct-09	14	4	\$43.58	Yes	\$11.83	-\$31.75
137	14-Oct-09	14	5	\$43.58	Yes	\$11.83	-\$31.75
138	14-Oct-09	14	6	\$43.58	Yes	\$11.83	-\$31.75
139	14-Oct-09	14	7	\$42.83	Yes	\$11.83	-\$31.00
140	14-Oct-09	14	8	\$42.94	Yes	\$11.83	-\$31.11
141	14-Oct-09	14	9	\$42.94	Yes	\$11.83	-\$31.11
142	14-Oct-09	14	10	\$40.21	Yes	\$11.83	-\$28.38
143	14-Oct-09	14	11	\$42.07	Yes	\$11.83	-\$30.24
144	14-Oct-09	14	12	\$48.01	Yes	\$11.83	-\$36.18
145	14-Oct-09	15	1	\$42.89	Yes	\$51.83	\$8.94
146	14-Oct-09	15	2	\$42.76	Yes	\$51.83	\$9.07
147	14-Oct-09	15	3	\$40.03	Yes	\$51.83	\$11.80
148	14-Oct-09	15	4	\$40.38	Yes	\$51.83	\$11.45
149	14-Oct-09	15	5	\$40.43	Yes	\$51.83	\$11.40
150	14-Oct-09	15	6	\$36.99	Yes	\$55.34	\$18.35

Department of Market Services – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
151	14-Oct-09	15	7	\$30.29	Yes	\$55.34	\$25.05
152	14-Oct-09	15	8	\$30.29	Yes	\$55.34	\$25.05
153	14-Oct-09	15	9	\$30.29	Yes	\$55.34	\$25.05
154	14-Oct-09	15	10	\$31.07	Yes	\$55.34	\$24.27
155	14-Oct-09	15	11	\$31.52	Yes	\$55.34	\$23.82
156	14-Oct-09	15	12	\$30.13	Yes	\$55.34	\$25.21
157	14-Oct-09	16	1	\$31.49	Yes	\$55.34	\$23.85
158	14-Oct-09	16	2	\$31.49	Yes	\$55.34	\$23.85
159	14-Oct-09	16	3	\$31.49	Yes	\$55.34	\$23.85
160	14-Oct-09	16	4	\$31.11	Yes	\$55.34	\$24.23
161	14-Oct-09	16	5	\$31.11	Yes	\$55.34	\$24.23
162	14-Oct-09	16	6	\$31.11	Yes	\$55.34	\$24.23
163	14-Oct-09	16	7	\$30.14	Yes	\$55.34	\$25.20
164	14-Oct-09	16	8	\$31.10	Yes	\$55.34	\$24.24
165	14-Oct-09	16	9	\$31.10	Yes	\$55.34	\$24.24
166	14-Oct-09	16	10	\$30.13	Yes	\$55.34	\$25.21
167	14-Oct-09	16	11	\$30.13	Yes	\$55.34	\$25.21
168	14-Oct-09	16	12	\$31.11	Yes	\$55.34	\$24.23
169	14-Oct-09	17	1	\$31.12	Yes	\$55.34	\$24.22
170	14-Oct-09	17	2	\$31.12	Yes	\$55.34	\$24.22
171	14-Oct-09	17	3	\$31.12	Yes	\$55.34	\$24.22
172	14-Oct-09	17	4	\$31.10	Yes	\$55.34	\$24.24
173	14-Oct-09	17	5	\$31.10	Yes	\$55.34	\$24.24
174	14-Oct-09	17	6	\$31.10	Yes	\$55.34	\$24.24
175	14-Oct-09	17	7	\$31.08	Yes	\$55.34	\$24.26
176	14-Oct-09	17	8	\$31.08	Yes	\$55.34	\$24.26
177	14-Oct-09	17	9	\$31.56	Yes	\$55.34	\$23.78
178	14-Oct-09	17	10	\$32.28	Yes	\$55.34	\$23.06
179	14-Oct-09	17	11	\$31.09	Yes	\$55.34	\$24.25
180	14-Oct-09	17	12	\$31.68	Yes	\$55.34	\$23.66
181	14-Oct-09	18	1	\$35.51	Yes	\$55.34	\$19.83
182	14-Oct-09	18	2	\$32.29	Yes	\$55.34	\$23.05
183	14-Oct-09	18	3	\$31.11	Yes	\$55.34	\$24.23
184	14-Oct-09	18	4	\$32.28	Yes	\$55.34	\$23.06
185	14-Oct-09	18	5	\$31.10	Yes	\$55.34	\$24.24
186	14-Oct-09	18	6	\$30.17	Yes	\$55.34	\$25.17
187	14-Oct-09	18	7	\$31.11	Yes	\$55.34	\$24.23
188	14-Oct-09	18	8	\$31.11	Yes	\$55.34	\$24.23
189	14-Oct-09	18	9	\$31.88	Yes	\$55.34	\$23.46
190	14-Oct-09	18	10	\$31.90	Yes	\$55.34	\$23.44
191	14-Oct-09	18	11	\$36.30	Yes	\$55.34	\$19.04
192	14-Oct-09	18	12	\$42.54	Yes	\$55.34	\$12.80
193	14-Oct-09	19	1	\$30.05	Yes	\$55.34	\$25.29
194	14-Oct-09	19	2	\$30.05	Yes	\$55.34	\$25.29
195	14-Oct-09	19	3	\$30.05	Yes	\$55.34	\$25.29

Department of Market Services – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
196	14-Oct-09	19	4	\$30.05	Yes	\$55.34	\$25.29
197	14-Oct-09	19	5	\$41.79	Yes	\$55.34	\$13.55
198	14-Oct-09	19	6	\$36.32	Yes	\$55.34	\$19.02
199	14-Oct-09	19	7	\$31.04	Yes	\$55.34	\$24.30
200	14-Oct-09	19	8	\$41.95	Yes	\$55.34	\$13.39
201	14-Oct-09	19	9	\$48.16	Yes	\$55.34	\$7.18
202	14-Oct-09	19	10	\$48.30	Yes	\$55.34	\$7.04
203	14-Oct-09	19	11	\$52.57	Yes	\$55.34	\$2.77
204	14-Oct-09	19	12	\$48.30	Yes	\$55.34	\$7.04
205	14-Oct-09	20	1	\$47.66	Yes	\$8.04	-\$39.62
206	14-Oct-09	20	2	\$47.66	Yes	\$8.04	-\$39.62
207	14-Oct-09	20	3	\$47.66	Yes	\$8.04	-\$39.62
208	14-Oct-09	20	4	\$46.11	Yes	\$8.04	-\$38.07
209	14-Oct-09	20	5	\$45.66	Yes	\$8.04	-\$37.62
210	14-Oct-09	20	6	\$45.67	Yes	\$8.04	-\$37.63
211	14-Oct-09	20	7	\$72.11	Yes	\$8.04	-\$64.07
212	14-Oct-09	20	8	\$47.72	Yes	\$8.04	-\$39.68
213	14-Oct-09	20	9	\$47.11	Yes	\$8.04	-\$39.07
214	14-Oct-09	20	10	\$47.53	Yes	\$8.04	-\$39.49
215	14-Oct-09	20	11	\$44.12	Yes	\$8.04	-\$36.08
216	14-Oct-09	20	12	\$41.30	Yes	\$8.04	-\$33.26
217	14-Oct-09	21	1	\$42.67	Yes	\$55.34	\$12.67
218	14-Oct-09	21	2	\$42.67	Yes	\$55.34	\$12.67
219	14-Oct-09	21	3	\$43.50	Yes	\$55.34	\$11.84
220	14-Oct-09	21	4	\$43.98	Yes	\$55.34	\$11.36
221	14-Oct-09	21	5	\$43.76	Yes	\$55.34	\$11.58
222	14-Oct-09	21	6	\$42.74	Yes	\$55.34	\$12.60
223	14-Oct-09	21	7	\$45.01	Yes	\$55.34	\$10.33
224	14-Oct-09	21	8	\$42.87	Yes	\$55.34	\$12.47
225	14-Oct-09	21	9	\$42.77	Yes	\$55.34	\$12.57
226	14-Oct-09	21	10	\$41.67	Yes	\$55.34	\$13.67
227	14-Oct-09	21	11	\$39.71	Yes	\$55.34	\$15.63
228	14-Oct-09	21	12	\$31.18	Yes	\$55.34	\$24.16
229	14-Oct-09	22	1	\$42.49	Yes	\$55.34	\$12.85
230	14-Oct-09	22	2	\$41.05	Yes	\$55.34	\$14.29
231	14-Oct-09	22	3	\$36.06	Yes	\$55.34	\$19.28
232	14-Oct-09	22	4	\$36.09	Yes	\$55.34	\$19.25
233	14-Oct-09	22	5	\$36.09	Yes	\$55.34	\$19.25
234	14-Oct-09	22	6	\$32.40	Yes	\$55.34	\$22.94
235	14-Oct-09	22	7	\$39.63	Yes	\$55.34	\$15.71
236	14-Oct-09	22	8	\$31.13	Yes	\$55.34	\$24.21
237	14-Oct-09	22	9	\$30.18	Yes	\$55.34	\$25.16
238	14-Oct-09	22	10	\$27.69	Yes	\$55.34	\$27.65
239	14-Oct-09	22	11	\$27.69	Yes	\$55.34	\$27.65
240	14-Oct-09	22	12	\$28.34	Yes	\$55.34	\$27.00

Department of Market Services – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
241	14-Oct-09	23	1	\$41.61	Yes	\$51.83	\$10.22
242	14-Oct-09	23	2	\$45.19	Yes	\$51.83	\$6.64
243	14-Oct-09	23	3	\$42.68	Yes	\$51.83	\$9.15
244	14-Oct-09	23	4	\$35.24	Yes	\$51.83	\$16.59
245	14-Oct-09	23	5	\$40.32	Yes	\$51.83	\$11.51
246	14-Oct-09	23	6	\$40.34	Yes	\$51.83	\$11.49
247	14-Oct-09	23	7	\$41.36	Yes	\$51.83	\$10.47
248	14-Oct-09	23	8	\$36.55	Yes	\$51.83	\$15.28
249	14-Oct-09	23	9	\$31.34	Yes	\$51.83	\$20.49
250	14-Oct-09	23	10	\$31.10	Yes	\$51.83	\$20.73
251	14-Oct-09	23	11	\$28.21	Yes	\$51.83	\$23.62
252	14-Oct-09	23	12	\$27.31	Yes	\$51.83	\$24.52
253	14-Oct-09	24	1	\$39.63	Yes	\$51.83	\$12.20
254	14-Oct-09	24	2	\$36.58	Yes	\$51.83	\$15.25
255	14-Oct-09	24	3	\$32.18	Yes	\$51.83	\$19.65
256	14-Oct-09	24	4	\$30.21	Yes	\$51.83	\$21.62
257	14-Oct-09	24	5	\$30.69	Yes	\$51.83	\$21.14
258	14-Oct-09	24	6	\$31.17	Yes	\$51.83	\$20.66
259	14-Oct-09	24	7	\$32.84	Yes	\$51.83	\$18.99
260	14-Oct-09	24	8	\$31.98	Yes	\$51.83	\$19.85
261	14-Oct-09	24	9	\$31.98	Yes	\$51.83	\$19.85
262	14-Oct-09	24	10	\$28.02	Yes	\$51.83	\$23.81
263	14-Oct-09	24	11	\$28.02	Yes	\$51.83	\$23.81
264	14-Oct-09	24	12	\$28.02	Yes	\$51.83	\$23.81
265	15-Oct-09	23	1	\$69.33	Yes	\$51.43	-\$17.90
266	15-Oct-09	23	2	\$56.83	Yes	\$51.43	-\$5.40
267	15-Oct-09	23	3	\$52.34	Yes	\$51.43	-\$0.91
268	15-Oct-09	23	4	\$41.21	Yes	\$51.43	\$10.22
269	15-Oct-09	23	5	\$44.14	Yes	\$51.43	\$7.29
270	15-Oct-09	23	6	\$45.92	Yes	\$51.43	\$5.51
271	15-Oct-09	23	7	\$49.59	Yes	\$51.43	\$1.84
272	15-Oct-09	23	8	\$48.29	Yes	\$51.43	\$3.14
273	15-Oct-09	23	9	\$40.58	Yes	\$51.43	\$10.85
274	15-Oct-09	23	10	\$34.76	Yes	\$51.43	\$16.67
275	15-Oct-09	23	11	\$35.13	Yes	\$51.43	\$16.30
276	15-Oct-09	23	12	\$30.45	Yes	\$51.43	\$20.98
277	15-Oct-09	24	1	\$44.80	Yes	\$51.43	\$6.63
278	15-Oct-09	24	2	\$47.45	Yes	\$51.43	\$3.98
279	15-Oct-09	24	3	\$40.15	Yes	\$51.43	\$11.28
280	15-Oct-09	24	4	\$40.34	Yes	\$51.43	\$11.09
281	15-Oct-09	24	5	\$40.34	Yes	\$51.43	\$11.09
282	15-Oct-09	24	6	\$40.34	Yes	\$51.43	\$11.09
283	15-Oct-09	24	7	\$49.04	Yes	\$51.43	\$2.39
284	15-Oct-09	24	8	\$45.66	Yes	\$51.43	\$5.77
285	15-Oct-09	24	9	\$42.29	Yes	\$51.43	\$9.14

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
286	15-Oct-09	24	10	\$34.53	Yes	\$51.43	\$16.90
287	15-Oct-09	24	11	\$33.58	Yes	\$51.43	\$17.85
288	15-Oct-09	24	12	\$33.58	Yes	\$51.43	\$17.85
289	16-Oct-09	1	1	\$43.51	Yes	\$61.03	\$17.52
290	16-Oct-09	1	2	\$39.34	Yes	\$61.03	\$21.69
291	16-Oct-09	1	3	\$28.34	Yes	\$61.03	\$32.69
292	16-Oct-09	1	4	\$25.63	Yes	\$61.03	\$35.40
293	16-Oct-09	1	5	\$25.36	Yes	\$61.03	\$35.67
294	16-Oct-09	1	6	\$25.63	Yes	\$61.03	\$35.40
295	16-Oct-09	1	7	\$28.52	Yes	\$61.03	\$32.51
296	16-Oct-09	1	8	\$26.04	Yes	\$61.03	\$34.99
297	16-Oct-09	1	9	\$25.76	Yes	\$61.03	\$35.27
298	16-Oct-09	1	10	\$26.03	Yes	\$61.03	\$35.00
299	16-Oct-09	1	11	\$25.76	Yes	\$61.03	\$35.27
300	16-Oct-09	1	12	\$24.64	Yes	\$61.03	\$36.39
301	16-Oct-09	2	1	\$31.15	Yes	\$61.03	\$29.88
302	16-Oct-09	2	2	\$33.24	Yes	\$61.03	\$27.79
303	16-Oct-09	2	3	\$31.31	Yes	\$61.03	\$29.72
304	16-Oct-09	2	4	\$31.09	Yes	\$61.03	\$29.94
305	16-Oct-09	2	5	\$31.09	Yes	\$61.03	\$29.94
306	16-Oct-09	2	6	\$28.16	Yes	\$61.03	\$32.87
307	16-Oct-09	2	7	\$29.03	Yes	\$61.03	\$32.00
308	16-Oct-09	2	8	\$29.03	Yes	\$61.03	\$32.00
309	16-Oct-09	2	9	\$29.03	Yes	\$61.03	\$32.00
310	16-Oct-09	2	10	\$28.51	Yes	\$61.03	\$32.52
311	16-Oct-09	2	11	\$28.51	Yes	\$61.03	\$32.52
312	16-Oct-09	2	12	\$28.51	Yes	\$61.03	\$32.52
313	16-Oct-09	3	1	\$31.18	Yes	\$61.03	\$29.85
314	16-Oct-09	3	2	\$31.13	Yes	\$61.03	\$29.90
315	16-Oct-09	3	3	\$32.92	Yes	\$61.03	\$28.11
316	16-Oct-09	3	4	\$31.32	Yes	\$61.03	\$29.71
317	16-Oct-09	3	5	\$31.32	Yes	\$61.03	\$29.71
318	16-Oct-09	3	6	\$31.19	Yes	\$61.03	\$29.84
319	16-Oct-09	3	7	\$31.18	Yes	\$61.03	\$29.85
320	16-Oct-09	3	8	\$31.28	Yes	\$61.03	\$29.75
321	16-Oct-09	3	9	\$31.18	Yes	\$61.03	\$29.85
322	16-Oct-09	3	10	\$31.18	Yes	\$61.03	\$29.85
323	16-Oct-09	3	11	\$31.16	Yes	\$61.03	\$29.87
324	16-Oct-09	3	12	\$31.16	Yes	\$61.03	\$29.87
325	16-Oct-09	4	1	\$31.17	Yes	\$61.03	\$29.86
326	16-Oct-09	4	2	\$31.12	Yes	\$61.03	\$29.91
327	16-Oct-09	4	3	\$30.93	Yes	\$61.03	\$30.10
328	16-Oct-09	4	4	\$30.96	Yes	\$61.03	\$30.07
329	16-Oct-09	4	5	\$30.67	Yes	\$61.03	\$30.36
330	16-Oct-09	4	6	\$30.67	Yes	\$61.03	\$30.36

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
331	16-Oct-09	4	7	\$29.10	Yes	\$61.03	\$31.93
332	16-Oct-09	4	8	\$30.66	Yes	\$61.03	\$30.37
333	16-Oct-09	4	9	\$30.66	Yes	\$61.03	\$30.37
334	16-Oct-09	4	10	\$31.18	Yes	\$61.03	\$29.85
335	16-Oct-09	4	11	\$31.18	Yes	\$61.03	\$29.85
336	16-Oct-09	4	12	\$31.18	Yes	\$61.03	\$29.85
337	16-Oct-09	5	1	\$29.11	Yes	\$61.03	\$31.92
338	16-Oct-09	5	2	\$29.11	Yes	\$61.03	\$31.92
339	16-Oct-09	5	3	\$29.11	Yes	\$61.03	\$31.92
340	16-Oct-09	5	4	\$29.10	Yes	\$61.03	\$31.93
341	16-Oct-09	5	5	\$29.10	Yes	\$61.03	\$31.93
342	16-Oct-09	5	6	\$29.10	Yes	\$61.03	\$31.93
343	16-Oct-09	5	7	\$29.12	Yes	\$61.03	\$31.91
344	16-Oct-09	5	8	\$28.27	Yes	\$61.03	\$32.76
345	16-Oct-09	5	9	\$28.27	Yes	\$61.03	\$32.76
346	16-Oct-09	5	10	\$28.21	Yes	\$61.03	\$32.82
347	16-Oct-09	5	11	\$26.53	Yes	\$61.03	\$34.50
348	16-Oct-09	5	12	\$25.73	Yes	\$61.03	\$35.30
349	16-Oct-09	6	1	\$26.33	Yes	\$61.03	\$34.70
350	16-Oct-09	6	2	\$26.00	Yes	\$61.03	\$35.03
351	16-Oct-09	6	3	\$27.95	Yes	\$61.03	\$33.08
352	16-Oct-09	6	4	\$28.00	Yes	\$61.03	\$33.03
353	16-Oct-09	6	5	\$28.00	Yes	\$61.03	\$33.03
354	16-Oct-09	6	6	\$31.06	Yes	\$61.03	\$29.97
355	16-Oct-09	6	7	\$34.48	Yes	\$61.03	\$26.55
356	16-Oct-09	6	8	\$38.97	Yes	\$61.03	\$22.06
357	16-Oct-09	6	9	\$37.71	Yes	\$61.03	\$23.32
358	16-Oct-09	6	10	\$41.73	Yes	\$61.03	\$19.30
359	16-Oct-09	6	11	\$46.42	Yes	\$61.03	\$14.61
360	16-Oct-09	6	12	\$51.15	Yes	\$61.03	\$9.88
361	16-Oct-09	7	1	\$45.85	Yes	\$61.03	\$15.18
362	16-Oct-09	7	2	\$40.89	Yes	\$61.03	\$20.14
363	16-Oct-09	7	3	\$40.01	Yes	\$61.03	\$21.02
364	16-Oct-09	7	4	\$64.40	Yes	\$61.03	-\$3.37
365	16-Oct-09	7	5	\$48.57	Yes	\$61.03	\$12.46
366	16-Oct-09	7	6	\$48.57	Yes	\$61.03	\$12.46
367	16-Oct-09	7	7	\$40.83	Yes	\$61.03	\$20.20
368	16-Oct-09	7	8	\$44.21	Yes	\$61.03	\$16.82
369	16-Oct-09	7	9	\$45.79	Yes	\$61.03	\$15.24
370	16-Oct-09	7	10	\$46.07	Yes	\$61.03	\$14.96
371	16-Oct-09	7	11	\$46.07	Yes	\$61.03	\$14.96
372	16-Oct-09	7	12	\$46.19	Yes	\$61.03	\$14.84
373	16-Oct-09	8	1	\$44.05	Yes	\$61.03	\$16.98
374	16-Oct-09	8	2	\$41.60	Yes	\$61.03	\$19.43
375	16-Oct-09	8	3	\$41.24	Yes	\$61.03	\$19.79

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
376	16-Oct-09	8	4	\$45.87	Yes	\$61.03	\$15.16
377	16-Oct-09	8	5	\$45.87	Yes	\$61.03	\$15.16
378	16-Oct-09	8	6	\$45.87	Yes	\$61.03	\$15.16
379	16-Oct-09	8	7	\$43.67	Yes	\$61.03	\$17.36
380	16-Oct-09	8	8	\$43.97	Yes	\$61.03	\$17.06
381	16-Oct-09	8	9	\$43.87	Yes	\$61.03	\$17.16
382	16-Oct-09	8	10	\$40.99	Yes	\$61.03	\$20.04
383	16-Oct-09	8	11	\$44.01	Yes	\$61.03	\$17.02
384	16-Oct-09	8	12	\$46.01	Yes	\$61.03	\$15.02
385	16-Oct-09	9	1	\$41.23	Yes	\$61.03	\$19.80
386	16-Oct-09	9	2	\$42.41	Yes	\$61.03	\$18.62
387	16-Oct-09	9	3	\$42.41	Yes	\$61.03	\$18.62
388	16-Oct-09	9	4	\$46.19	Yes	\$61.03	\$14.84
389	16-Oct-09	9	5	\$46.19	Yes	\$61.03	\$14.84
390	16-Oct-09	9	6	\$46.49	Yes	\$61.03	\$14.54
391	16-Oct-09	9	7	\$45.60	Yes	\$61.03	\$15.43
392	16-Oct-09	9	8	\$46.24	Yes	\$61.03	\$14.79
393	16-Oct-09	9	9	\$46.30	Yes	\$61.03	\$14.73
394	16-Oct-09	9	10	\$49.77	Yes	\$61.03	\$11.26
395	16-Oct-09	9	11	\$52.11	Yes	\$61.03	\$8.92
396	16-Oct-09	9	12	\$56.30	Yes	\$61.03	\$4.73
397	16-Oct-09	10	1	\$44.08	Yes	\$61.03	\$16.95
398	16-Oct-09	10	2	\$44.08	Yes	\$61.03	\$16.95
399	16-Oct-09	10	3	\$44.08	Yes	\$61.03	\$16.95
400	16-Oct-09	10	4	\$44.01	Yes	\$61.03	\$17.02
401	16-Oct-09	10	5	\$44.01	Yes	\$61.03	\$17.02
402	16-Oct-09	10	6	\$45.37	Yes	\$61.03	\$15.66
403	16-Oct-09	10	7	\$44.50	Yes	\$61.03	\$16.53
404	16-Oct-09	10	8	\$46.80	Yes	\$61.03	\$14.23
405	16-Oct-09	10	9	\$50.83	Yes	\$61.03	\$10.20
406	16-Oct-09	10	10	\$60.21	Yes	\$61.03	\$0.82
407	16-Oct-09	10	11	\$51.26	Yes	\$61.03	\$9.77
408	16-Oct-09	10	12	\$54.23	Yes	\$61.03	\$6.80
409	16-Oct-09	11	1	\$46.81	Yes	\$61.03	\$14.22
410	16-Oct-09	11	2	\$46.81	Yes	\$61.03	\$14.22
411	16-Oct-09	11	3	\$46.81	Yes	\$61.03	\$14.22
412	16-Oct-09	11	4	\$50.53	Yes	\$61.03	\$10.50
413	16-Oct-09	11	5	\$49.57	Yes	\$61.03	\$11.46
414	16-Oct-09	11	6	\$51.67	Yes	\$61.03	\$9.36
415	16-Oct-09	11	7	\$72.27	Yes	\$61.03	-\$11.24
416	16-Oct-09	11	8	\$71.69	Yes	\$61.03	-\$10.66
417	16-Oct-09	11	9	\$71.92	Yes	\$61.03	-\$10.89
418	16-Oct-09	11	10	\$55.22	Yes	\$61.03	\$5.81
419	16-Oct-09	11	11	\$54.89	Yes	\$61.03	\$6.14
420	16-Oct-09	11	12	\$57.67	Yes	\$61.03	\$3.36

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
421	16-Oct-09	12	1	\$48.54	Yes	\$61.03	\$12.49
422	16-Oct-09	12	2	\$49.76	Yes	\$61.03	\$11.27
423	16-Oct-09	12	3	\$51.83	Yes	\$61.03	\$9.20
424	16-Oct-09	12	4	\$60.96	Yes	\$61.03	\$0.07
425	16-Oct-09	12	5	\$56.59	Yes	\$61.03	\$4.44
426	16-Oct-09	12	6	\$61.00	Yes	\$61.03	\$0.03
427	16-Oct-09	12	7	\$60.91	Yes	\$61.03	\$0.12
428	16-Oct-09	12	8	\$60.10	Yes	\$61.03	\$0.93
429	16-Oct-09	12	9	\$57.07	Yes	\$61.03	\$3.96
430	16-Oct-09	12	10	\$58.99	Yes	\$61.03	\$2.04
431	16-Oct-09	12	11	\$57.21	Yes	\$61.03	\$3.82
432	16-Oct-09	12	12	\$72.56	Yes	\$61.03	-\$11.53
433	16-Oct-09	13	1	\$57.50	Yes	\$61.03	\$3.53
434	16-Oct-09	13	2	\$72.68	Yes	\$61.03	-\$11.65
435	16-Oct-09	13	3	\$57.50	Yes	\$61.03	\$3.53
436	16-Oct-09	13	4	\$55.32	Yes	\$61.03	\$5.71
437	16-Oct-09	13	5	\$104.83	Yes	\$61.03	-\$43.80
438	16-Oct-09	13	6	\$104.96	Yes	\$61.03	-\$43.93
439	16-Oct-09	13	7	\$73.34	Yes	\$61.03	-\$12.31
440	16-Oct-09	13	8	\$74.24	Yes	\$61.03	-\$13.21
441	16-Oct-09	13	9	\$336.02	Yes	\$61.03	-\$274.99
442	16-Oct-09	13	10	\$60.62	Yes	\$61.03	\$0.41
443	16-Oct-09	13	11	\$62.75	Yes	\$61.03	-\$1.72
444	16-Oct-09	13	12	\$300.96	Yes	\$61.03	-\$239.93
445	16-Oct-09	14	1	\$53.23	Yes	\$61.03	\$7.80
446	16-Oct-09	14	2	\$58.83	Yes	\$61.03	\$2.20
447	16-Oct-09	14	3	\$66.69	Yes	\$61.03	-\$5.66
448	16-Oct-09	14	4	\$48.48	Yes	\$61.03	\$12.55
449	16-Oct-09	14	5	\$58.87	Yes	\$61.03	\$2.16
450	16-Oct-09	14	6	\$66.35	Yes	\$69.20	\$2.85
451	16-Oct-09	14	7	\$344.83	Yes	\$69.20	-\$275.63
452	16-Oct-09	14	8	\$496.86	Yes	\$69.20	-\$427.66
453	16-Oct-09	14	9	\$466.95	Yes	\$69.20	-\$397.75
454	16-Oct-09	14	10	\$212.10	Yes	\$69.20	-\$142.90
455	16-Oct-09	14	11	\$212.10	Yes	\$69.20	-\$142.90
456	16-Oct-09	14	12	\$212.10	Yes	\$69.20	-\$142.90
457	16-Oct-09	15	1	\$75.23	Yes	\$69.20	-\$6.03
458	16-Oct-09	15	2	\$59.34	Yes	\$69.20	\$9.86
459	16-Oct-09	15	3	\$60.10	Yes	\$69.20	\$9.10
460	16-Oct-09	15	4	\$43.78	Yes	\$69.20	\$25.42
461	16-Oct-09	15	5	\$45.62	Yes	\$69.20	\$23.58
462	16-Oct-09	15	6	\$45.62	Yes	\$69.20	\$23.58
463	16-Oct-09	15	7	\$47.53	Yes	\$69.20	\$21.67
464	16-Oct-09	15	8	\$48.65	Yes	\$69.20	\$20.55
465	16-Oct-09	15	9	\$49.77	Yes	\$69.20	\$19.43

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
466	16-Oct-09	15	10	\$72.88	Yes	\$69.20	-\$3.68
467	16-Oct-09	15	11	\$58.34	Yes	\$69.20	\$10.86
468	16-Oct-09	15	12	\$48.47	Yes	\$69.20	\$20.73
469	16-Oct-09	16	1	\$57.56	Yes	\$69.20	\$11.64
470	16-Oct-09	16	2	\$53.07	Yes	\$69.20	\$16.13
471	16-Oct-09	16	3	\$53.67	Yes	\$69.20	\$15.53
472	16-Oct-09	16	4	\$57.24	Yes	\$69.20	\$11.96
473	16-Oct-09	16	5	\$56.21	Yes	\$69.20	\$12.99
474	16-Oct-09	16	6	\$55.83	Yes	\$69.20	\$13.37
475	16-Oct-09	16	7	\$54.30	Yes	\$69.20	\$14.90
476	16-Oct-09	16	8	\$55.03	Yes	\$69.20	\$14.17
477	16-Oct-09	16	9	\$49.82	Yes	\$69.20	\$19.38
478	16-Oct-09	16	10	\$54.41	Yes	\$69.20	\$14.79
479	16-Oct-09	16	11	\$53.06	Yes	\$69.20	\$16.14
480	16-Oct-09	16	12	\$49.60	Yes	\$69.20	\$19.60
481	16-Oct-09	17	1	\$54.25	Yes	\$69.20	\$14.95
482	16-Oct-09	17	2	\$52.60	Yes	\$69.20	\$16.60
483	16-Oct-09	17	3	\$51.35	Yes	\$69.20	\$17.85
484	16-Oct-09	17	4	\$48.69	Yes	\$69.20	\$20.51
485	16-Oct-09	17	5	\$49.48	Yes	\$69.20	\$19.72
486	16-Oct-09	17	6	\$50.86	Yes	\$69.20	\$18.34
487	16-Oct-09	17	7	\$50.51	Yes	\$69.20	\$18.69
488	16-Oct-09	17	8	\$49.58	Yes	\$69.20	\$19.62
489	16-Oct-09	17	9	\$48.69	Yes	\$69.20	\$20.51
490	16-Oct-09	17	10	\$48.65	Yes	\$69.20	\$20.55
491	16-Oct-09	17	11	\$47.73	Yes	\$69.20	\$21.47
492	16-Oct-09	17	12	\$48.65	Yes	\$69.20	\$20.55
493	16-Oct-09	18	1	\$61.37	Yes	\$69.20	\$7.83
494	16-Oct-09	18	2	\$57.16	Yes	\$69.20	\$12.04
495	16-Oct-09	18	3	\$53.62	Yes	\$69.20	\$15.58
496	16-Oct-09	18	4	\$53.67	Yes	\$69.20	\$15.53
497	16-Oct-09	18	5	\$53.67	Yes	\$69.20	\$15.53
498	16-Oct-09	18	6	\$48.12	Yes	\$69.20	\$21.08
499	16-Oct-09	18	7	\$53.47	Yes	\$69.20	\$15.73
500	16-Oct-09	18	8	\$51.21	Yes	\$69.20	\$17.99
501	16-Oct-09	18	9	\$51.88	Yes	\$69.20	\$17.32
502	16-Oct-09	18	10	\$73.51	Yes	\$69.20	-\$4.31
503	16-Oct-09	18	11	\$64.89	Yes	\$69.20	\$4.31
504	16-Oct-09	18	12	\$44.31	Yes	\$69.20	\$24.89
505	16-Oct-09	19	1	\$43.76	Yes	\$69.20	\$25.44
506	16-Oct-09	19	2	\$44.73	Yes	\$69.20	\$24.47
507	16-Oct-09	19	3	\$45.97	Yes	\$81.91	\$35.94
508	16-Oct-09	19	4	\$41.66	Yes	\$81.91	\$40.25
509	16-Oct-09	19	5	\$34.05	Yes	\$81.91	\$47.86
510	16-Oct-09	19	6	\$37.03	Yes	\$81.91	\$44.88

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
511	16-Oct-09	19	7	\$99.26	Yes	\$81.91	-\$17.35
512	16-Oct-09	19	8	\$99.26	Yes	\$81.91	-\$17.35
513	16-Oct-09	19	9	\$55.34	Yes	\$81.91	\$26.57
514	16-Oct-09	19	10	\$54.68	Yes	\$81.91	\$27.23
515	16-Oct-09	19	11	\$55.94	Yes	\$81.91	\$25.97
516	16-Oct-09	19	12	\$57.72	Yes	\$81.91	\$24.19
517	16-Oct-09	20	1	\$57.98	Yes	\$81.91	\$23.93
518	16-Oct-09	20	2	\$56.03	Yes	\$81.91	\$25.88
519	16-Oct-09	20	3	\$55.95	Yes	\$81.91	\$25.96
520	16-Oct-09	20	4	\$57.85	Yes	\$81.91	\$24.06
521	16-Oct-09	20	5	\$51.87	Yes	\$81.91	\$30.04
522	16-Oct-09	20	6	\$47.46	Yes	\$81.91	\$34.45
523	16-Oct-09	20	7	\$50.98	Yes	\$81.91	\$30.93
524	16-Oct-09	20	8	\$49.32	Yes	\$81.91	\$32.59
525	16-Oct-09	20	9	\$47.54	Yes	\$81.91	\$34.37
526	16-Oct-09	20	10	\$47.47	Yes	\$81.91	\$34.44
527	16-Oct-09	20	11	\$47.47	Yes	\$81.91	\$34.44
528	16-Oct-09	20	12	\$44.64	Yes	\$81.91	\$37.27
529	16-Oct-09	21	1	\$55.44	Yes	\$81.91	\$26.47
530	16-Oct-09	21	2	\$55.44	Yes	\$81.91	\$26.47
531	16-Oct-09	21	3	\$56.66	Yes	\$81.91	\$25.25
532	16-Oct-09	21	4	\$51.97	Yes	\$81.91	\$29.94
533	16-Oct-09	21	5	\$52.32	Yes	\$81.91	\$29.59
534	16-Oct-09	21	6	\$55.07	Yes	\$81.91	\$26.84
535	16-Oct-09	21	7	\$55.46	Yes	\$81.91	\$26.45
536	16-Oct-09	21	8	\$51.14	Yes	\$81.91	\$30.77
537	16-Oct-09	21	9	\$52.24	Yes	\$81.91	\$29.67
538	16-Oct-09	21	10	\$43.75	Yes	\$81.91	\$38.16
539	16-Oct-09	21	11	\$41.46	Yes	\$81.91	\$40.45
540	16-Oct-09	21	12	\$33.70	Yes	\$81.91	\$48.21
541	16-Oct-09	22	1	\$65.81	Yes	\$69.20	\$3.39
542	16-Oct-09	22	2	\$70.90	Yes	\$69.20	-\$1.70
543	16-Oct-09	22	3	\$51.96	Yes	\$69.20	\$17.24
544	16-Oct-09	22	4	\$47.29	Yes	\$69.20	\$21.91
545	16-Oct-09	22	5	\$50.48	Yes	\$69.20	\$18.72
546	16-Oct-09	22	6	\$49.15	Yes	\$69.20	\$20.05
547	16-Oct-09	22	7	\$43.47	Yes	\$69.20	\$25.73
548	16-Oct-09	22	8	\$43.66	Yes	\$69.20	\$25.54
549	16-Oct-09	22	9	\$43.66	Yes	\$69.20	\$25.54
550	16-Oct-09	22	10	\$41.38	Yes	\$69.20	\$27.82
551	16-Oct-09	22	11	\$28.86	Yes	\$69.20	\$40.34
552	16-Oct-09	22	12	\$34.29	Yes	\$69.20	\$34.91
553	16-Oct-09	23	1	\$68.26	Yes	\$61.03	-\$7.23
554	16-Oct-09	23	2	\$67.91	Yes	\$61.03	-\$6.88
555	16-Oct-09	23	3	\$54.39	Yes	\$61.03	\$6.64

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
556	16-Oct-09	23	4	\$53.34	Yes	\$61.03	\$7.69
557	16-Oct-09	23	5	\$51.71	Yes	\$61.03	\$9.32
558	16-Oct-09	23	6	\$51.27	Yes	\$61.03	\$9.76
559	16-Oct-09	23	7	\$50.86	Yes	\$61.03	\$10.17
560	16-Oct-09	23	8	\$43.84	Yes	\$61.03	\$17.19
561	16-Oct-09	23	9	\$43.78	Yes	\$61.03	\$17.25
562	16-Oct-09	23	10	\$46.19	Yes	\$61.03	\$14.84
563	16-Oct-09	23	11	\$43.77	Yes	\$61.03	\$17.26
564	16-Oct-09	23	12	\$35.90	Yes	\$61.03	\$25.13
565	16-Oct-09	24	1	\$43.57	Yes	\$61.03	\$17.46
566	16-Oct-09	24	2	\$86.79	Yes	\$61.03	-\$25.76
567	16-Oct-09	24	3	\$48.17	Yes	\$61.03	\$12.86
568	16-Oct-09	24	4	\$43.54	Yes	\$61.03	\$17.49
569	16-Oct-09	24	5	\$43.54	Yes	\$61.03	\$17.49
570	16-Oct-09	24	6	\$48.28	Yes	\$61.03	\$12.75
571	16-Oct-09	24	7	\$48.15	Yes	\$61.03	\$12.88
572	16-Oct-09	24	8	\$43.85	Yes	\$61.03	\$17.18
573	16-Oct-09	24	9	\$45.75	Yes	\$61.03	\$15.28
574	16-Oct-09	24	10	\$42.05	Yes	\$61.03	\$18.98
575	16-Oct-09	24	11	\$41.05	Yes	\$61.03	\$19.98
576	16-Oct-09	24	12	\$28.21	Yes	\$61.03	\$32.82
577	17-Oct-09	1	1	\$46.12	Yes	\$44.83	-\$1.29
578	17-Oct-09	1	2	\$44.14	Yes	\$44.83	\$0.69
579	17-Oct-09	1	3	\$46.12	Yes	\$44.83	-\$1.29
580	17-Oct-09	1	4	\$46.41	Yes	\$44.83	-\$1.58
581	17-Oct-09	1	5	\$99.15	Yes	\$44.83	-\$54.32
582	17-Oct-09	1	6	\$63.72	Yes	\$44.83	-\$18.89
583	17-Oct-09	1	7	\$46.65	Yes	\$44.83	-\$1.82
584	17-Oct-09	1	8	\$0.65	Yes	\$44.83	\$44.18
585	17-Oct-09	1	9	\$40.53	Yes	\$44.83	\$4.30
586	17-Oct-09	1	10	\$47.44	Yes	\$44.83	-\$2.61
587	17-Oct-09	1	11	\$46.21	Yes	\$44.83	-\$1.38
588	17-Oct-09	1	12	\$45.96	Yes	\$44.83	-\$1.13
589	17-Oct-09	2	1	\$47.75	Yes	\$44.83	-\$2.92
590	17-Oct-09	2	2	\$46.45	Yes	\$44.83	-\$1.62
591	17-Oct-09	2	3	\$46.07	Yes	\$44.83	-\$1.24
592	17-Oct-09	2	4	\$46.46	Yes	\$44.83	-\$1.63
593	17-Oct-09	2	5	\$45.77	Yes	\$44.83	-\$0.94
594	17-Oct-09	2	6	\$44.93	Yes	\$44.83	-\$0.10
595	17-Oct-09	2	7	\$45.18	Yes	\$44.83	-\$0.35
596	17-Oct-09	2	8	\$44.12	Yes	\$44.83	\$0.71
597	17-Oct-09	2	9	\$39.74	Yes	\$44.83	\$5.09
598	17-Oct-09	2	10	\$43.29	Yes	\$44.83	\$1.54
599	17-Oct-09	2	11	\$36.67	Yes	\$44.83	\$8.16
600	17-Oct-09	2	12	\$28.23	Yes	\$44.83	\$16.60

Department of Market Services – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
601	17-Oct-09	3	1	\$37.30	Yes	\$44.83	\$7.53
602	17-Oct-09	3	2	\$37.04	Yes	\$44.83	\$7.79
603	17-Oct-09	3	3	\$35.78	Yes	\$44.83	\$9.05
604	17-Oct-09	3	4	\$36.70	Yes	\$44.83	\$8.13
605	17-Oct-09	3	5	\$36.70	Yes	\$44.83	\$8.13
606	17-Oct-09	3	6	\$36.07	Yes	\$44.83	\$8.76
607	17-Oct-09	3	7	\$30.66	Yes	\$44.83	\$14.17
608	17-Oct-09	3	8	\$44.12	Yes	\$44.83	\$0.71
609	17-Oct-09	3	9	\$39.74	Yes	\$44.83	\$5.09
610	17-Oct-09	3	10	\$30.76	Yes	\$44.83	\$14.07
611	17-Oct-09	3	11	\$28.24	Yes	\$44.83	\$16.59
612	17-Oct-09	3	12	\$24.54	Yes	\$44.83	\$20.29
613	17-Oct-09	4	1	\$36.43	Yes	\$44.83	\$8.40
614	17-Oct-09	4	2	\$36.43	Yes	\$44.83	\$8.40
615	17-Oct-09	4	3	\$33.28	Yes	\$44.83	\$11.55
616	17-Oct-09	4	4	\$36.09	Yes	\$44.83	\$8.74
617	17-Oct-09	4	5	\$36.09	Yes	\$44.83	\$8.74
618	17-Oct-09	4	6	\$36.09	Yes	\$44.83	\$8.74
619	17-Oct-09	4	7	\$32.78	Yes	\$44.83	\$12.05
620	17-Oct-09	4	8	\$34.76	Yes	\$44.83	\$10.07
621	17-Oct-09	4	9	\$34.76	Yes	\$44.83	\$10.07
622	17-Oct-09	4	10	\$34.79	Yes	\$44.83	\$10.04
623	17-Oct-09	4	11	\$34.79	Yes	\$44.83	\$10.04
624	17-Oct-09	4	12	\$33.42	Yes	\$44.83	\$11.41
625	17-Oct-09	5	1	\$28.23	Yes	\$44.83	\$16.60
626	17-Oct-09	5	2	\$30.35	Yes	\$44.83	\$14.48
627	17-Oct-09	5	3	\$28.23	Yes	\$44.83	\$16.60
628	17-Oct-09	5	4	\$42.21	Yes	\$44.83	\$2.62
629	17-Oct-09	5	5	\$36.79	Yes	\$44.83	\$8.04
630	17-Oct-09	5	6	\$36.79	Yes	\$44.83	\$8.04
631	17-Oct-09	5	7	\$35.19	Yes	\$44.83	\$9.64
632	17-Oct-09	5	8	\$36.05	Yes	\$44.83	\$8.78
633	17-Oct-09	5	9	\$35.57	Yes	\$44.83	\$9.26
634	17-Oct-09	5	10	\$39.59	Yes	\$44.83	\$5.24
635	17-Oct-09	5	11	\$36.44	Yes	\$44.83	\$8.39
636	17-Oct-09	5	12	\$36.44	Yes	\$44.83	\$8.39
637	17-Oct-09	6	1	\$28.11	Yes	\$44.83	\$16.72
638	17-Oct-09	6	2	\$28.11	Yes	\$44.83	\$16.72
639	17-Oct-09	6	3	\$28.11	Yes	\$44.83	\$16.72
640	17-Oct-09	6	4	\$28.16	Yes	\$44.83	\$16.67
641	17-Oct-09	6	5	\$28.16	Yes	\$44.83	\$16.67
642	17-Oct-09	6	6	\$28.16	Yes	\$44.83	\$16.67
643	17-Oct-09	6	7	\$28.17	Yes	\$44.83	\$16.66
644	17-Oct-09	6	8	\$32.11	Yes	\$44.83	\$12.72
645	17-Oct-09	6	9	\$30.60	Yes	\$44.83	\$14.23

Department of Market Services – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
646	17-Oct-09	6	10	\$30.69	Yes	\$44.83	\$14.14
647	17-Oct-09	6	11	\$30.69	Yes	\$44.83	\$14.14
648	17-Oct-09	6	12	\$32.85	Yes	\$44.83	\$11.98
649	17-Oct-09	7	1	\$33.24	Yes	\$44.83	\$11.59
650	17-Oct-09	7	2	\$32.81	Yes	\$44.83	\$12.02
651	17-Oct-09	7	3	\$31.28	Yes	\$44.83	\$13.55
652	17-Oct-09	7	4	\$40.36	Yes	\$44.83	\$4.47
653	17-Oct-09	7	5	\$36.35	Yes	\$44.83	\$8.48
654	17-Oct-09	7	6	\$43.33	Yes	\$44.83	\$1.50
655	17-Oct-09	7	7	\$35.79	Yes	\$44.83	\$9.04
656	17-Oct-09	7	8	\$41.59	Yes	\$44.83	\$3.24
657	17-Oct-09	7	9	\$36.32	Yes	\$44.83	\$8.51
658	17-Oct-09	7	10	\$30.71	Yes	\$44.83	\$14.12
659	17-Oct-09	7	11	\$35.22	Yes	\$44.83	\$9.61
660	17-Oct-09	7	12	\$36.28	Yes	\$44.83	\$8.55
661	17-Oct-09	8	1	\$36.00	Yes	\$44.83	\$8.83
662	17-Oct-09	8	2	\$36.09	Yes	\$44.83	\$8.74
663	17-Oct-09	8	3	\$37.30	Yes	\$44.83	\$7.53
664	17-Oct-09	8	4	\$36.20	Yes	\$44.83	\$8.63
665	17-Oct-09	8	5	\$37.25	Yes	\$44.83	\$7.58
666	17-Oct-09	8	6	\$37.25	Yes	\$44.83	\$7.58
667	17-Oct-09	8	7	\$43.56	Yes	\$44.83	\$1.27
668	17-Oct-09	8	8	\$40.75	Yes	\$44.83	\$4.08
669	17-Oct-09	8	9	\$42.42	Yes	\$44.83	\$2.41
670	17-Oct-09	8	10	\$44.93	Yes	\$44.83	-\$0.10
671	17-Oct-09	8	11	\$43.71	Yes	\$44.83	\$1.12
672	17-Oct-09	8	12	\$48.25	Yes	\$44.83	-\$3.42
673	17-Oct-09	9	1	\$44.12	Yes	\$44.83	\$0.71
674	17-Oct-09	9	2	\$45.24	Yes	\$44.83	-\$0.41
675	17-Oct-09	9	3	\$45.24	Yes	\$44.83	-\$0.41
676	17-Oct-09	9	4	\$40.65	Yes	\$44.83	\$4.18
677	17-Oct-09	9	5	\$43.44	Yes	\$44.83	\$1.39
678	17-Oct-09	9	6	\$45.69	Yes	\$44.83	-\$0.86
679	17-Oct-09	9	7	\$44.43	Yes	\$44.83	\$0.40
680	17-Oct-09	9	8	\$45.09	Yes	\$44.83	-\$0.26
681	17-Oct-09	9	9	\$44.99	Yes	\$44.83	-\$0.16
682	17-Oct-09	9	10	\$45.42	Yes	\$44.83	-\$0.59
683	17-Oct-09	9	11	\$47.96	Yes	\$44.83	-\$3.13
684	17-Oct-09	9	12	\$48.88	Yes	\$44.83	-\$4.05
685	17-Oct-09	10	1	\$44.47	Yes	\$44.83	\$0.36
686	17-Oct-09	10	2	\$45.07	Yes	\$44.83	-\$0.24
687	17-Oct-09	10	3	\$44.47	Yes	\$44.83	\$0.36
688	17-Oct-09	10	4	\$67.43	Yes	\$44.83	-\$22.60
689	17-Oct-09	10	5	\$69.88	Yes	\$44.83	-\$25.05
690	17-Oct-09	10	6	\$70.32	Yes	\$44.83	-\$25.49

Department of Market Services – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
691	17-Oct-09	10	7	\$66.26	Yes	\$44.83	-\$21.43
692	17-Oct-09	10	8	\$69.42	Yes	\$44.83	-\$24.59
693	17-Oct-09	10	9	\$68.23	Yes	\$44.83	-\$23.40
694	17-Oct-09	10	10	\$66.68	Yes	\$44.83	-\$21.85
695	17-Oct-09	10	11	\$57.81	Yes	\$44.83	-\$12.98
696	17-Oct-09	10	12	\$65.70	Yes	\$44.83	-\$20.87
697	17-Oct-09	11	1	\$48.48	Yes	\$44.83	-\$3.65
698	17-Oct-09	11	2	\$45.39	Yes	\$44.83	-\$0.56
699	17-Oct-09	11	3	\$48.68	Yes	\$44.83	-\$3.85
700	17-Oct-09	11	4	\$50.36	Yes	\$44.83	-\$5.53
701	17-Oct-09	11	5	\$52.88	Yes	\$44.83	-\$8.05
702	17-Oct-09	11	6	\$53.75	Yes	\$44.83	-\$8.92
703	17-Oct-09	11	7	\$52.96	Yes	\$44.83	-\$8.13
704	17-Oct-09	11	8	\$52.96	Yes	\$44.83	-\$8.13
705	17-Oct-09	11	9	\$55.30	Yes	\$44.83	-\$10.47
706	17-Oct-09	11	10	\$57.19	Yes	\$44.83	-\$12.36
707	17-Oct-09	11	11	\$55.62	Yes	\$44.83	-\$10.79
708	17-Oct-09	11	12	\$57.63	Yes	\$44.83	-\$12.80
709	17-Oct-09	12	1	\$49.39	Yes	\$44.83	-\$4.56
710	17-Oct-09	12	2	\$49.39	Yes	\$44.83	-\$4.56
711	17-Oct-09	12	3	\$49.39	Yes	\$44.83	-\$4.56
712	17-Oct-09	12	4	\$49.21	Yes	\$44.83	-\$4.38
713	17-Oct-09	12	5	\$49.35	Yes	\$44.83	-\$4.52
714	17-Oct-09	12	6	\$49.82	Yes	\$44.83	-\$4.99
715	17-Oct-09	12	7	\$52.97	Yes	\$44.83	-\$8.14
716	17-Oct-09	12	8	\$52.66	Yes	\$44.83	-\$7.83
717	17-Oct-09	12	9	\$54.10	Yes	\$44.83	-\$9.27
718	17-Oct-09	12	10	\$53.85	Yes	\$44.83	-\$9.02
719	17-Oct-09	12	11	\$61.79	Yes	\$44.83	-\$16.96
720	17-Oct-09	12	12	\$56.62	Yes	\$44.83	-\$11.79
721	17-Oct-09	13	1	\$50.33	Yes	\$44.83	-\$5.50
722	17-Oct-09	13	2	\$50.84	Yes	\$44.83	-\$6.01
723	17-Oct-09	13	3	\$51.00	Yes	\$44.83	-\$6.17
724	17-Oct-09	13	4	\$54.21	Yes	\$44.83	-\$9.38
725	17-Oct-09	13	5	\$54.32	Yes	\$44.83	-\$9.49
726	17-Oct-09	13	6	\$55.58	Yes	\$44.83	-\$10.75
727	17-Oct-09	13	7	\$55.16	Yes	\$44.83	-\$10.33
728	17-Oct-09	13	8	\$56.33	Yes	\$44.83	-\$11.50
729	17-Oct-09	13	9	\$56.79	Yes	\$44.83	-\$11.96
730	17-Oct-09	13	10	\$57.25	Yes	\$44.83	-\$12.42
731	17-Oct-09	13	11	\$61.91	Yes	\$44.83	-\$17.08
732	17-Oct-09	13	12	\$73.02	Yes	\$44.83	-\$28.19
733	17-Oct-09	14	1	\$74.16	Yes	\$44.83	-\$29.33
734	17-Oct-09	14	2	\$74.16	Yes	\$44.83	-\$29.33
735	17-Oct-09	14	3	\$80.89	Yes	\$44.83	-\$36.06

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
736	17-Oct-09	14	4	\$66.47	Yes	\$44.83	-\$21.64
737	17-Oct-09	14	5	\$68.56	Yes	\$44.83	-\$23.73
738	17-Oct-09	14	6	\$74.12	Yes	\$51.58	-\$22.54
739	17-Oct-09	14	7	\$382.83	Yes	\$51.58	-\$331.25
740	17-Oct-09	14	8	\$498.20	Yes	\$51.58	-\$446.62
741	17-Oct-09	14	9	\$498.20	Yes	\$51.58	-\$446.62
742	17-Oct-09	14	10	\$385.29	Yes	\$51.58	-\$333.71
743	17-Oct-09	14	11	\$498.65	Yes	\$51.58	-\$447.07
744	17-Oct-09	14	12	\$498.65	Yes	\$51.58	-\$447.07
745	17-Oct-09	15	1	\$499.15	Yes	\$51.58	-\$447.57
746	17-Oct-09	15	2	\$499.15	Yes	\$51.58	-\$447.57
747	17-Oct-09	15	3	\$499.15	Yes	\$51.58	-\$447.57
748	17-Oct-09	15	4	\$72.83	Yes	\$51.58	-\$21.25
749	17-Oct-09	15	5	\$70.18	Yes	\$51.58	-\$18.60
750	17-Oct-09	15	6	\$80.97	Yes	\$51.58	-\$29.39
751	17-Oct-09	15	7	\$78.29	Yes	\$51.58	-\$26.71
752	17-Oct-09	15	8	\$77.73	Yes	\$51.58	-\$26.15
753	17-Oct-09	15	9	\$76.72	Yes	\$51.58	-\$25.14
754	17-Oct-09	15	10	\$383.04	Yes	\$51.58	-\$331.46
755	17-Oct-09	15	11	\$316.22	Yes	\$51.58	-\$264.64
756	17-Oct-09	15	12	\$497.75	Yes	\$51.58	-\$446.17
757	17-Oct-09	16	1	\$497.45	Yes	\$51.58	-\$445.87
758	17-Oct-09	16	2	\$382.50	Yes	\$51.58	-\$330.92
759	17-Oct-09	16	3	\$86.03	Yes	\$51.58	-\$34.45
760	17-Oct-09	16	4	\$80.90	Yes	\$51.58	-\$29.32
761	17-Oct-09	16	5	\$75.84	Yes	\$51.58	-\$24.26
762	17-Oct-09	16	6	\$72.77	Yes	\$51.58	-\$21.19
763	17-Oct-09	16	7	\$66.75	Yes	\$51.58	-\$15.17
764	17-Oct-09	16	8	\$66.75	Yes	\$51.58	-\$15.17
765	17-Oct-09	16	9	\$66.75	Yes	\$51.58	-\$15.17
766	17-Oct-09	16	10	\$68.10	Yes	\$51.58	-\$16.52
767	17-Oct-09	16	11	\$68.10	Yes	\$51.58	-\$16.52
768	17-Oct-09	16	12	\$68.10	Yes	\$51.58	-\$16.52
769	17-Oct-09	17	1	\$71.61	Yes	\$51.58	-\$20.03
770	17-Oct-09	17	2	\$65.73	Yes	\$51.58	-\$14.15
771	17-Oct-09	17	3	\$65.73	Yes	\$51.58	-\$14.15
772	17-Oct-09	17	4	\$66.55	Yes	\$51.58	-\$14.97
773	17-Oct-09	17	5	\$58.15	Yes	\$51.58	-\$6.57
774	17-Oct-09	17	6	\$58.41	Yes	\$51.58	-\$6.83
775	17-Oct-09	17	7	\$58.35	Yes	\$51.58	-\$6.77
776	17-Oct-09	17	8	\$56.90	Yes	\$51.58	-\$5.32
777	17-Oct-09	17	9	\$56.90	Yes	\$51.58	-\$5.32
778	17-Oct-09	17	10	\$59.91	Yes	\$51.58	-\$8.33
779	17-Oct-09	17	11	\$54.61	Yes	\$51.58	-\$3.03
780	17-Oct-09	17	12	\$50.81	Yes	\$51.58	\$0.77

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
781	17-Oct-09	18	1	\$56.46	Yes	\$51.58	-\$4.88
782	17-Oct-09	18	2	\$55.57	Yes	\$51.58	-\$3.99
783	17-Oct-09	18	3	\$54.82	Yes	\$51.58	-\$3.24
784	17-Oct-09	18	4	\$51.38	Yes	\$51.58	\$0.20
785	17-Oct-09	18	5	\$51.23	Yes	\$51.58	\$0.35
786	17-Oct-09	18	6	\$51.23	Yes	\$51.58	\$0.35
787	17-Oct-09	18	7	\$49.17	Yes	\$51.58	\$2.41
788	17-Oct-09	18	8	\$49.17	Yes	\$51.58	\$2.41
789	17-Oct-09	18	9	\$50.18	Yes	\$51.58	\$1.40
790	17-Oct-09	18	10	\$47.79	Yes	\$51.58	\$3.79
791	17-Oct-09	18	11	\$49.38	Yes	\$51.58	\$2.20
792	17-Oct-09	18	12	\$52.26	Yes	\$51.58	-\$0.68
793	17-Oct-09	19	1	\$49.25	Yes	\$51.58	\$2.33
794	17-Oct-09	19	2	\$49.25	Yes	\$51.58	\$2.33
795	17-Oct-09	19	3	\$49.25	Yes	\$51.58	\$2.33
796	17-Oct-09	19	4	\$50.99	Yes	\$51.58	\$0.59
797	17-Oct-09	19	5	\$50.99	Yes	\$51.58	\$0.59
798	17-Oct-09	19	6	\$55.33	Yes	\$51.58	-\$3.75
799	17-Oct-09	19	7	\$55.49	Yes	\$51.58	-\$3.91
800	17-Oct-09	19	8	\$55.49	Yes	\$51.58	-\$3.91
801	17-Oct-09	19	9	\$63.51	Yes	\$51.58	-\$11.93
802	17-Oct-09	19	10	\$59.67	Yes	\$51.58	-\$8.09
803	17-Oct-09	19	11	\$59.58	Yes	\$51.58	-\$8.00
804	17-Oct-09	19	12	\$59.16	Yes	\$51.58	-\$7.58
805	17-Oct-09	20	1	\$63.91	Yes	\$51.58	-\$12.33
806	17-Oct-09	20	2	\$50.73	Yes	\$51.58	\$0.85
807	17-Oct-09	20	3	\$57.24	Yes	\$51.58	-\$5.66
808	17-Oct-09	20	4	\$55.98	Yes	\$51.58	-\$4.40
809	17-Oct-09	20	5	\$50.45	Yes	\$51.58	\$1.13
810	17-Oct-09	20	6	\$50.45	Yes	\$51.58	\$1.13
811	17-Oct-09	20	7	\$50.18	Yes	\$51.58	\$1.40
812	17-Oct-09	20	8	\$50.18	Yes	\$51.58	\$1.40
813	17-Oct-09	20	9	\$51.28	Yes	\$51.58	\$0.30
814	17-Oct-09	20	10	\$51.36	Yes	\$51.58	\$0.22
815	17-Oct-09	20	11	\$50.26	Yes	\$51.58	\$1.32
816	17-Oct-09	20	12	\$50.26	Yes	\$51.58	\$1.32
817	17-Oct-09	21	1	\$62.23	Yes	\$51.58	-\$10.65
818	17-Oct-09	21	2	\$58.11	Yes	\$51.58	-\$6.53
819	17-Oct-09	21	3	\$57.72	Yes	\$51.58	-\$6.14
820	17-Oct-09	21	4	\$58.95	Yes	\$51.58	-\$7.37
821	17-Oct-09	21	5	\$55.67	Yes	\$51.58	-\$4.09
822	17-Oct-09	21	6	\$55.67	Yes	\$51.58	-\$4.09
823	17-Oct-09	21	7	\$55.67	Yes	\$51.58	-\$4.09
824	17-Oct-09	21	8	\$55.23	Yes	\$51.58	-\$3.65
825	17-Oct-09	21	9	\$52.72	Yes	\$51.58	-\$1.14

Department of Market Services – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
826	17-Oct-09	21	10	\$55.10	Yes	\$51.58	-\$3.52
827	17-Oct-09	21	11	\$48.89	Yes	\$51.58	\$2.69
828	17-Oct-09	21	12	\$48.89	Yes	\$51.58	\$2.69
829	17-Oct-09	22	1	\$62.23	Yes	\$51.58	-\$10.65
830	17-Oct-09	22	2	\$58.00	Yes	\$51.58	-\$6.42
831	17-Oct-09	22	3	\$55.88	Yes	\$51.58	-\$4.30
832	17-Oct-09	22	4	\$49.52	Yes	\$51.58	\$2.06
833	17-Oct-09	22	5	\$54.63	Yes	\$51.58	-\$3.05
834	17-Oct-09	22	6	\$56.04	Yes	\$51.58	-\$4.46
835	17-Oct-09	22	7	\$57.79	Yes	\$51.58	-\$6.21
836	17-Oct-09	22	8	\$53.98	Yes	\$51.58	-\$2.40
837	17-Oct-09	22	9	\$53.98	Yes	\$51.58	-\$2.40
838	17-Oct-09	22	10	\$51.37	Yes	\$51.58	\$0.21
839	17-Oct-09	22	11	\$48.93	Yes	\$51.58	\$2.65
840	17-Oct-09	22	12	\$48.85	Yes	\$51.58	\$2.73
841	17-Oct-09	23	1	\$70.76	Yes	\$44.83	-\$25.93
842	17-Oct-09	23	2	\$66.69	Yes	\$44.83	-\$21.86
843	17-Oct-09	23	3	\$63.38	Yes	\$44.83	-\$18.55
844	17-Oct-09	23	4	\$60.89	Yes	\$44.83	-\$16.06
845	17-Oct-09	23	5	\$61.36	Yes	\$44.83	-\$16.53
846	17-Oct-09	23	6	\$59.12	Yes	\$44.83	-\$14.29
847	17-Oct-09	23	7	\$61.12	Yes	\$44.83	-\$16.29
848	17-Oct-09	23	8	\$55.69	Yes	\$44.83	-\$10.86
849	17-Oct-09	23	9	\$55.87	Yes	\$44.83	-\$11.04
850	17-Oct-09	23	10	\$54.14	Yes	\$44.83	-\$9.31
851	17-Oct-09	23	11	\$48.75	Yes	\$44.83	-\$3.92
852	17-Oct-09	23	12	\$46.80	Yes	\$44.83	-\$1.97
853	17-Oct-09	24	1	\$51.40	Yes	\$44.83	-\$6.57
854	17-Oct-09	24	2	\$51.73	Yes	\$44.83	-\$6.90
855	17-Oct-09	24	3	\$51.73	Yes	\$44.83	-\$6.90
856	17-Oct-09	24	4	\$49.12	Yes	\$44.83	-\$4.29
857	17-Oct-09	24	5	\$49.15	Yes	\$44.83	-\$4.32
858	17-Oct-09	24	6	\$49.12	Yes	\$44.83	-\$4.29
859	17-Oct-09	24	7	\$48.93	Yes	\$44.83	-\$4.10
860	17-Oct-09	24	8	\$48.93	Yes	\$44.83	-\$4.10
861	17-Oct-09	24	9	\$43.38	Yes	\$44.83	\$1.45
862	17-Oct-09	24	10	\$40.95	Yes	\$44.83	\$3.88
863	17-Oct-09	24	11	\$40.95	Yes	\$44.83	\$3.88
864	17-Oct-09	24	12	\$28.78	Yes	\$44.83	\$16.05
865	18-Oct-09	10	2	\$36.68	Yes	\$49.58	\$12.90
866	18-Oct-09	10	3	\$36.93	Yes	\$49.58	\$12.65
867	18-Oct-09	10	4	\$40.12	Yes	\$49.58	\$9.46
868	18-Oct-09	10	5	\$40.12	Yes	\$49.58	\$9.46
869	18-Oct-09	10	6	\$40.48	Yes	\$49.58	\$9.10
870	18-Oct-09	10	7	\$40.46	Yes	\$49.58	\$9.12

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
871	18-Oct-09	10	8	\$43.13	Yes	\$49.58	\$6.45
872	18-Oct-09	10	9	\$45.19	Yes	\$49.58	\$4.39
873	18-Oct-09	10	10	\$45.41	Yes	\$49.58	\$4.17
874	18-Oct-09	10	11	\$45.41	Yes	\$49.58	\$4.17
875	18-Oct-09	10	12	\$43.87	Yes	\$49.58	\$5.71
876	18-Oct-09	11	1	\$44.03	Yes	\$49.58	\$5.55
877	18-Oct-09	11	2	\$44.03	Yes	\$49.58	\$5.55
878	18-Oct-09	11	3	\$44.03	Yes	\$49.58	\$5.55
879	18-Oct-09	11	4	\$44.24	Yes	\$49.58	\$5.34
880	18-Oct-09	11	5	\$46.36	Yes	\$49.58	\$3.22
881	18-Oct-09	11	6	\$45.22	Yes	\$49.58	\$4.36
882	18-Oct-09	11	7	\$44.07	Yes	\$49.58	\$5.51
883	18-Oct-09	11	8	\$44.07	Yes	\$49.58	\$5.51
884	18-Oct-09	11	9	\$44.14	Yes	\$49.58	\$5.44
885	18-Oct-09	11	10	\$44.61	Yes	\$49.58	\$4.97
886	18-Oct-09	11	11	\$46.37	Yes	\$49.58	\$3.21
887	18-Oct-09	11	12	\$46.90	Yes	\$49.58	\$2.68
888	18-Oct-09	12	1	\$36.80	Yes	\$49.58	\$12.78
889	18-Oct-09	12	2	\$37.93	Yes	\$49.58	\$11.65
890	18-Oct-09	12	3	\$41.35	Yes	\$49.58	\$8.23
891	18-Oct-09	12	4	\$46.42	Yes	\$49.58	\$3.16
892	18-Oct-09	12	5	\$43.57	Yes	\$49.58	\$6.01
893	18-Oct-09	12	6	\$43.57	Yes	\$49.58	\$6.01
894	18-Oct-09	12	7	\$40.91	Yes	\$49.58	\$8.67
895	18-Oct-09	12	8	\$42.25	Yes	\$49.58	\$7.33
896	18-Oct-09	12	9	\$43.30	Yes	\$49.58	\$6.28
897	18-Oct-09	12	10	\$44.24	Yes	\$49.58	\$5.34
898	18-Oct-09	12	11	\$47.41	Yes	\$49.58	\$2.17
899	18-Oct-09	12	12	\$47.35	Yes	\$49.58	\$2.23
900	18-Oct-09	13	1	\$44.10	Yes	\$49.58	\$5.48
901	18-Oct-09	13	2	\$44.10	Yes	\$49.58	\$5.48
902	18-Oct-09	13	3	\$43.32	Yes	\$49.58	\$6.26
903	18-Oct-09	13	4	\$43.20	Yes	\$49.58	\$6.38
904	18-Oct-09	13	5	\$43.46	Yes	\$49.58	\$6.12
905	18-Oct-09	13	6	\$43.46	Yes	\$49.58	\$6.12
906	18-Oct-09	13	7	\$43.14	Yes	\$49.58	\$6.44
907	18-Oct-09	13	8	\$43.14	Yes	\$49.58	\$6.44
908	18-Oct-09	13	9	\$47.36	Yes	\$49.58	\$2.22
909	18-Oct-09	13	10	\$46.30	Yes	\$49.58	\$3.28
910	18-Oct-09	13	11	\$45.32	Yes	\$49.58	\$4.26
911	18-Oct-09	13	12	\$46.38	Yes	\$49.58	\$3.20
912	18-Oct-09	14	1	\$45.44	Yes	\$49.58	\$4.14
913	18-Oct-09	14	2	\$45.44	Yes	\$49.58	\$4.14
914	18-Oct-09	14	3	\$46.39	Yes	\$49.58	\$3.19
915	18-Oct-09	14	4	\$47.83	Yes	\$49.58	\$1.75

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
916	18-Oct-09	14	5	\$47.58	Yes	\$49.58	\$2.00
917	18-Oct-09	14	6	\$47.74	Yes	\$49.58	\$1.84
918	18-Oct-09	14	7	\$43.15	Yes	\$49.58	\$6.43
919	18-Oct-09	14	8	\$43.22	Yes	\$49.58	\$6.36
920	18-Oct-09	14	9	\$44.61	Yes	\$49.58	\$4.97
921	18-Oct-09	14	10	\$44.61	Yes	\$49.58	\$4.97
922	18-Oct-09	14	11	\$44.11	Yes	\$49.58	\$5.47
923	18-Oct-09	14	12	\$43.16	Yes	\$49.58	\$6.42
924	18-Oct-09	15	1	\$43.19	Yes	\$49.58	\$6.39
925	18-Oct-09	15	2	\$43.19	Yes	\$49.58	\$6.39
926	18-Oct-09	15	3	\$41.82	Yes	\$49.58	\$7.76
927	18-Oct-09	15	4	\$42.89	Yes	\$49.58	\$6.69
928	18-Oct-09	15	5	\$43.48	Yes	\$49.58	\$6.10
929	18-Oct-09	15	6	\$43.21	Yes	\$49.58	\$6.37
930	18-Oct-09	15	7	\$43.56	Yes	\$49.58	\$6.02
931	18-Oct-09	15	8	\$43.52	Yes	\$49.58	\$6.06
932	18-Oct-09	15	9	\$44.02	Yes	\$49.58	\$5.56
933	18-Oct-09	15	10	\$43.96	Yes	\$49.58	\$5.62
934	18-Oct-09	15	11	\$46.88	Yes	\$49.58	\$2.70
935	18-Oct-09	15	12	\$45.63	Yes	\$49.58	\$3.95
936	18-Oct-09	16	1	\$47.09	Yes	\$49.58	\$2.49
937	18-Oct-09	16	2	\$46.90	Yes	\$49.58	\$2.68
938	18-Oct-09	16	3	\$47.43	Yes	\$49.58	\$2.15
939	18-Oct-09	16	4	\$47.02	Yes	\$49.58	\$2.56
940	18-Oct-09	16	5	\$47.58	Yes	\$49.58	\$2.00
941	18-Oct-09	16	6	\$47.02	Yes	\$49.58	\$2.56
942	18-Oct-09	16	7	\$44.94	Yes	\$49.58	\$4.64
943	18-Oct-09	16	8	\$45.61	Yes	\$49.58	\$3.97
944	18-Oct-09	16	9	\$46.05	Yes	\$49.58	\$3.53
945	18-Oct-09	16	10	\$44.90	Yes	\$49.58	\$4.68
946	18-Oct-09	16	11	\$44.14	Yes	\$49.58	\$5.44
947	18-Oct-09	16	12	\$44.90	Yes	\$49.58	\$4.68
948	18-Oct-09	17	1	\$46.31	Yes	\$49.58	\$3.27
949	18-Oct-09	17	2	\$47.68	Yes	\$49.58	\$1.90
950	18-Oct-09	17	3	\$46.74	Yes	\$49.58	\$2.84
951	18-Oct-09	17	4	\$45.52	Yes	\$49.58	\$4.06
952	18-Oct-09	17	5	\$44.84	Yes	\$49.58	\$4.74
953	18-Oct-09	17	6	\$43.07	Yes	\$49.58	\$6.51
954	18-Oct-09	17	7	\$43.10	Yes	\$49.58	\$6.48
955	18-Oct-09	17	8	\$44.18	Yes	\$49.58	\$5.40
956	18-Oct-09	17	9	\$43.10	Yes	\$49.58	\$6.48
957	18-Oct-09	17	10	\$46.30	Yes	\$49.58	\$3.28
958	18-Oct-09	17	11	\$43.38	Yes	\$49.58	\$6.20
959	18-Oct-09	17	12	\$41.27	Yes	\$49.58	\$8.31
960	18-Oct-09	18	1	\$36.55	Yes	\$49.58	\$13.03

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
961	18-Oct-09	18	2	\$37.39	Yes	\$49.58	\$12.19
962	18-Oct-09	18	3	\$37.39	Yes	\$49.58	\$12.19
963	18-Oct-09	18	4	\$41.73	Yes	\$49.58	\$7.85
964	18-Oct-09	18	5	\$37.40	Yes	\$49.58	\$12.18
965	18-Oct-09	18	6	\$41.25	Yes	\$49.58	\$8.33
966	18-Oct-09	18	7	\$36.63	Yes	\$49.58	\$12.95
967	18-Oct-09	18	8	\$41.37	Yes	\$49.58	\$8.21
968	18-Oct-09	18	9	\$37.71	Yes	\$49.58	\$11.87
969	18-Oct-09	18	10	\$37.53	Yes	\$49.58	\$12.05
970	18-Oct-09	18	11	\$37.46	Yes	\$49.58	\$12.12
971	18-Oct-09	18	12	\$33.33	Yes	\$49.58	\$16.25
972	18-Oct-09	19	1	\$35.54	Yes	\$49.58	\$14.04
973	18-Oct-09	19	2	\$30.37	Yes	\$49.58	\$19.21
974	18-Oct-09	19	3	\$40.97	Yes	\$49.58	\$8.61
975	18-Oct-09	19	4	\$46.75	Yes	\$49.58	\$2.83
976	18-Oct-09	19	5	\$48.00	Yes	\$49.58	\$1.58
977	18-Oct-09	19	6	\$57.26	Yes	\$49.58	-\$7.68
978	18-Oct-09	19	7	\$49.37	Yes	\$49.58	\$0.21
979	18-Oct-09	19	8	\$56.88	Yes	\$49.58	-\$7.30
980	18-Oct-09	19	9	\$56.88	Yes	\$49.58	-\$7.30
981	18-Oct-09	19	10	\$56.93	Yes	\$49.58	-\$7.35
982	18-Oct-09	19	11	\$61.68	Yes	\$49.58	-\$12.10
983	18-Oct-09	19	12	\$56.93	Yes	\$49.58	-\$7.35
984	18-Oct-09	20	1	\$47.41	Yes	\$49.58	\$2.17
985	18-Oct-09	20	2	\$47.41	Yes	\$49.58	\$2.17
986	18-Oct-09	20	3	\$47.41	Yes	\$49.58	\$2.17
987	18-Oct-09	20	4	\$46.99	Yes	\$49.58	\$2.59
988	18-Oct-09	20	5	\$47.19	Yes	\$49.58	\$2.39
989	18-Oct-09	20	6	\$44.36	Yes	\$49.58	\$5.22
990	18-Oct-09	20	7	\$47.18	Yes	\$49.58	\$2.40
991	18-Oct-09	20	8	\$47.40	Yes	\$49.58	\$2.18
992	18-Oct-09	20	9	\$47.18	Yes	\$49.58	\$2.40
993	18-Oct-09	20	10	\$41.81	Yes	\$49.58	\$7.77
994	18-Oct-09	20	11	\$43.26	Yes	\$49.58	\$6.32
995	18-Oct-09	20	12	\$44.11	Yes	\$49.58	\$5.47
996	18-Oct-09	21	1	\$48.05	Yes	\$49.58	\$1.53
997	18-Oct-09	21	2	\$47.99	Yes	\$49.58	\$1.59
998	18-Oct-09	21	3	\$47.09	Yes	\$49.58	\$2.49
999	18-Oct-09	21	4	\$44.69	Yes	\$49.58	\$4.89
1000	18-Oct-09	21	5	\$46.09	Yes	\$49.58	\$3.49
1001	18-Oct-09	21	6	\$46.59	Yes	\$49.58	\$2.99
1002	18-Oct-09	21	7	\$46.08	Yes	\$49.58	\$3.50
1003	18-Oct-09	21	8	\$44.92	Yes	\$49.58	\$4.66
1004	18-Oct-09	21	9	\$42.55	Yes	\$49.58	\$7.03
1005	18-Oct-09	21	10	\$42.37	Yes	\$49.58	\$7.21

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1006	18-Oct-09	21	11	\$41.77	Yes	\$49.58	\$7.81
1007	18-Oct-09	21	12	\$40.80	Yes	\$49.58	\$8.78
1008	18-Oct-09	22	1	\$45.18	Yes	\$49.58	\$4.40
1009	18-Oct-09	22	2	\$46.64	Yes	\$49.58	\$2.94
1010	18-Oct-09	22	3	\$44.43	Yes	\$49.58	\$5.15
1011	18-Oct-09	22	4	\$40.58	Yes	\$49.58	\$9.00
1012	18-Oct-09	22	5	\$40.58	Yes	\$49.58	\$9.00
1013	18-Oct-09	22	6	\$40.42	Yes	\$49.58	\$9.16
1014	18-Oct-09	22	7	\$40.43	Yes	\$49.58	\$9.15
1015	18-Oct-09	22	8	\$40.43	Yes	\$49.58	\$9.15
1016	18-Oct-09	22	9	\$36.57	Yes	\$49.58	\$13.01
1017	18-Oct-09	22	10	\$33.53	Yes	\$49.58	\$16.05
1018	18-Oct-09	22	11	\$29.87	Yes	\$49.58	\$19.71
1019	18-Oct-09	22	12	\$27.02	Yes	\$49.58	\$22.56
1020	18-Oct-09	23	1	\$48.97	Yes	\$44.83	-\$4.14
1021	18-Oct-09	23	2	\$50.81	Yes	\$44.83	-\$5.98
1022	18-Oct-09	23	3	\$48.97	Yes	\$44.83	-\$4.14
1023	18-Oct-09	23	4	\$46.41	Yes	\$44.83	-\$1.58
1024	18-Oct-09	23	5	\$47.78	Yes	\$44.83	-\$2.95
1025	18-Oct-09	23	6	\$46.41	Yes	\$44.83	-\$1.58
1026	18-Oct-09	23	7	\$47.15	Yes	\$44.83	-\$2.32
1027	18-Oct-09	23	8	\$46.44	Yes	\$44.83	-\$1.61
1028	18-Oct-09	23	9	\$46.44	Yes	\$44.83	-\$1.61
1029	18-Oct-09	23	10	\$46.83	Yes	\$44.83	-\$2.00
1030	18-Oct-09	23	11	\$41.18	Yes	\$44.83	\$3.65
1031	18-Oct-09	23	12	\$32.05	Yes	\$44.83	\$12.78
1032	18-Oct-09	24	1	\$40.28	Yes	\$44.83	\$4.55
1033	18-Oct-09	24	2	\$28.26	Yes	\$44.83	\$16.57
1034	18-Oct-09	24	3	\$28.26	Yes	\$44.83	\$16.57
1035	18-Oct-09	24	4	\$29.01	Yes	\$44.83	\$15.82
1036	18-Oct-09	24	5	\$29.01	Yes	\$44.83	\$15.82
1037	18-Oct-09	24	6	\$28.06	Yes	\$44.83	\$16.77
1038	18-Oct-09	24	7	\$27.50	Yes	\$44.83	\$17.33
1039	18-Oct-09	24	8	\$25.78	Yes	\$44.83	\$19.05
1040	18-Oct-09	24	9	\$16.50	Yes	\$44.83	\$28.33
1041	18-Oct-09	24	10	\$14.95	Yes	\$44.83	\$29.88
1042	18-Oct-09	24	11	\$1.01	Yes	\$44.83	\$43.82
1043	18-Oct-09	24	12	-\$2.36	Yes	\$44.83	\$47.19

Appendix C: Exceptional Dispatch Bid Mitigation Analysis

In October, the ISO applied the exceptional dispatch bid mitigation to the exceptional dispatches that are noncompetitive TMODELS¹¹ and Delta Dispatch. Table 1 shows the costs by instruction type in October. With exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches were \$117,352. Without the exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches would be \$148,770. The cost saving from the exceptional dispatch bid mitigation was \$31,417. The cost saving from the exceptional dispatches which are TMODEL5 accounted for approximately 52 percent of total cost saving in October. The cost saving from the exceptional dispatches which are Delta Dispatch accounted for approximately 15 percent of total cost saving.

Table 10: Bid Mitigation Analysis for October

Type	Number of Resource	Costs without Bid Mitigation	Costs with Bid Mitigation	Cost Saving
Delta Dispatch	2	\$49,576	\$44,943	\$4,634
TMODEL5	17	\$74,096	\$57,865	\$16,231
TMODEL6	4	\$25,097	\$14,544	\$10,552
Total	23	\$148,770	\$117,352	\$31,417

¹¹ The non-competitive “TMODEL” exceptional dispatches include: TMODEL4 (if more than one participating transmission owner is affected), TMODEL5 (if only PG&E is affected), TMODEL6 (if only SCE is affected) and TMODEL 7 (if only SDG&E is affected).

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 1st day of February, 2009.

1st Anna Pascuzzo

Anna Pascuzzo