



California Independent
System Operator Corporation

January 30, 2012

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

**Re: California Independent System Operator Corporation
Docket Nos. ER08-1178-____, and EL08-88-____
October 2011 Exceptional Dispatch Report (Chart 2 data)**

Dear Secretary Bose:

Pursuant to the September 2, 2009 and May 4, 2010 orders in the above referenced docket, the California Independent System Operator Corporation submits the attached report. The attached report provides Exceptional Dispatch information that the Commission directed be included in "Chart 2", which was set forth in Appendix A to the September 2 Order, as modified the Commission's May 4 Order.

The attached report provides Chart 2 data for the month of October 2011. The attached Chart 2 report also includes the price impact analysis for the month of October 2011 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 2011.

Respectfully submitted,

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Exceptional Dispatch Report

Table 2: October 2011

ISO Market Analysis and Development

January 30, 2012

TABLE OF CONTENTS

Introduction	3
The Nature of Exceptional Dispatch.....	3
Appendix A: Explanation by Example	16
Example 1: Exceptional Dispatch Instructions Prior to DAM	16
Example 2: Incremental Exceptional Dispatch Instructions in RTM.....	17
Example 3: Decremental Exceptional Dispatch Instructions in RTM.....	18
Appendix B: Price Impact Analysis	20
Appendix C: Exceptional Dispatch Bid Mitigation Analysis	59

LIST OF TABLES AND FIGURES

Table 1: Exceptional Dispatches in October 2011	7
Table 2: Instructions Prior to Day-Ahead Market	16
Table 3: FERC Summary of Instructions Prior to DAM	16
Table 4: Incremental Exceptional Dispatch Instructions in RTM	17
Table 5: FERC Summary of ED Instructions in RTM	18
Table 6: Decremental Exceptional Dispatch Instructions in RTM	19
Table 7: FERC Summary of Decremental ED Instructions in RTM.....	19
Table 8: Price Impact Analysis Information for Pricing Node A in PG&E LAP	21
Table 9: Price Impact Analysis Information for Pricing Node B in SCE LAP	44
Table 10: Bid Mitigation Analysis for October	59

Introduction

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

In addition, this report contains a price impact analysis as prescribed by FERC in its September 2 order. 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 2011 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 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 associated reason for each exceptional dispatch instruction.

In October 2011, the ISO issued exceptional dispatches for the following local area generation requirement: (1) G-206, San Diego area generation requirements; (2) G-217, South of Lugo generation requirements; and (3) G-219, SCE area generation requirements. Exceptional dispatch instructions were also issued for the following transmission management requirements: (1) T-100, COI master operating procedure; (2) T-129, transmission facilities in Fresno area; (3) T-138, transmission facilities in Humboldt area; (4) T-165 transmission facilities in Palermo Rio-Oso area; (5) T-167, transmission facilities in Tesla/Bellota Area; (6) T-169, Julian Hinds-Mirage 230 kV line overload mitigation & Eagle Mountain Bank Emergency Mitigation; and (7) other transmission outages in PG&E, SCE and SDG&E area.

In Table 1, the reason codes starting with “G” refer to an ISO operating 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 ISO website.¹

The following additional reasons for exceptional dispatch instructions in October 2011 were not related to specific generation or transmission operating procedures: (1) Software Limitation, when an exceptional dispatch instruction was used to bridge schedules across days for resources with a minimum down time of 24 hours, as the ISO software does not handle multi day commitment. For instance, a resource has a day-ahead schedule from 0600 till 2300, and then is shut down in 2400. If this resource had a minimum down time of 24 hours and it is required the following day, then the ISO issues an exceptional dispatch to commit this resource in 2400 so that it can be dispatched economically in the following day. Software limitation reason was also used for exceptional dispatches to manually issue shut down instructions to a resource because of a temporary Automatic Dispatch System (“ADS”) failure, or similar issues.; (2) Market Disruption, when the exceptional dispatch instructions were issued due to HASP failures; and (3) Ramp Rate, when exceptional dispatch instructions were issued to dispatch a resource above its physical minimum to a level where the resource has significantly higher ramp rate capability. For example, a resource could have a ramp rate of 2 MW/min at its physical minimum of 100 MW, but a significantly higher ramp rate of 10 MW/min at 250 MW. The operators could issue an exceptional dispatch for this resource to be dispatched to 250 MW, so that the resource could respond to the anticipated steep load ramp or to a potential contingency. There were a few other reasons used to explain exceptional dispatch instructions in October, which are self explanatory.

¹ 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>

As mentioned earlier, the data shown in Table 1 is based on a template specified in the September 2009 order.² 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.
- 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.³
- The CC6470 column 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.

² 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.

³ For further details regarding the Bid Cost Recovery process please refer to section 11.8 of the ISO tariff.

- The ED Volume MWh (MWh INC/DEC) column 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 column 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).⁴
- The CC6482 column shows the real-time excess cost for the classification.⁵
- The CC6488 column shows the real-time exceptional dispatch uplift settlement for the classification.⁶ 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 Attachment A. There was no designation of capacity under Capacity Procurement Mechanism (CPM) in October 2011.

⁴ For further details please refer to the BPM configuration Guide: Real-Time Instructed Imbalance Energy Settlement published on the ISO's website.

⁵ For further details please refer to the BPM configuration Guide: Real Time Excess Cost for Instructed Energy Settlement published on the ISO's website.

⁶ 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 2011

**California Independent System Operator Corporation
Exceptional Dispatch Report
January 30, 2012**

Chart 2: Table of Exceptional Dispatches for Period 01/ October /2011 - 31/ October /2011

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	Transmission Outage PG&E	PG&E	Bay Area	26-Oct-11	135	Yes	N/A	24	0:00	23:00	3,240.0 0	\$275,248	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$168,909
2	RT	Bridging Schedules	SCE	LA Basin	13-Oct-11	20- 40	Yes	INC	3	21:00	23:59	140.28	\$14,189	\$0	(\$3,782)	\$0	\$0	\$0	\$0	\$0	\$0
3	RT	Bridging Schedules	SDG&E	San Diego	12-Oct-11	20	Yes	INC	2	22:00	23:59	44.49	\$2,057	\$0	(\$1,446)	\$0	\$0	\$0	\$0	\$0	\$0
4	RT	Bridging Schedules	SDG&E	San Diego	25-Oct-11	155	Yes	INC	1	23:00	23:59	149.93	\$4,982	\$0	(\$2,350)	\$0	\$0	\$0	\$0	\$0	\$0
5	RT	Dispatch Modification	PG&E	Sierra	11-Oct-11	0	Yes	INC	2	12:45	13:44	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	RT	Dispatch Modification	PG&E	Sierra	31-Oct-11	0	Yes	INC	4	12:40	15:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	RT	Dispatch Modification	SCE	LA Basin	11-Oct-11	91	No	DEC	15	9:00	23:59	1,357.4 2	\$0	\$0	\$38,749	(\$1,357)	\$0	\$38,749	\$0	\$0	\$0
8	RT	Dispatch Modification	SCE	LA Basin	13-Oct-11	70- 471	No	DEC	11	13:00	23:59	3,748.9 4	\$0	\$0	\$81,734	(\$1,277)	\$0	\$8,677	\$0	\$0	\$0
9	RT	Dispatch Modification	SCE	LA Basin	13-Oct-11	45	Yes	INC	23	1:00	23:59	2,934.8 7	\$177,639	\$0	(\$121,516)	\$611	(\$50,304)	\$0	\$0	\$0	\$0
10	RT	Dispatch Modification	SCE	LA Basin	14-Oct-11	800	No	INC	2	11:16	12:09	-145.24	\$12,797	\$0	\$4,023	(\$97)	\$0	\$2,419	\$0	\$0	\$0
11	RT	Dispatch Modification	SCE	N/A	14-Oct-11	78	No	INC	1	11:10	11:56	22.07	\$0	\$0	(\$542)	\$0	\$0	\$0	\$0	\$0	\$0
12	RT	Failed Telemetry	PG&E	N/A	10-Oct-11	0	Yes	INC	3	7:47	9:59	0.02	\$235	\$139	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0
13	RT	Fast Start Unit Management	SCE	LA Basin	21-Oct-11	0	Yes	INC	1	18:35	18:59	8.86	\$0	\$245	(\$247)	\$0	\$0	\$0	\$0	\$0	\$0
14	RT	G-206	N/A	N/A	16-Oct-11	0	Yes	INC	2	9:50	10:49	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	RT	G-206	SDG&E	San Diego	16-Oct-11	200	No	INC	4	6:50	9:59	868.29	\$30,244	\$0	(\$10,001)	\$0	\$0	\$0	\$0	\$0	\$0
16	RT	G-217	SCE	LA Basin	11-Oct-11	20	Yes	INC	15	9:00	23:59	666.06	\$0	\$31,996	(\$19,346)	\$0	\$0	\$0	\$0	\$0	\$0
17	RT	G-219	SCE	LA Basin	5-Oct-11	20	Yes	INC	17	7:00	23:59	460.41	\$37,978	\$31,996	(\$10,490)	\$0	\$0	\$0	\$0	\$0	\$0
18	RT	Load Forecast Uncertainty	SCE	LA Basin	12-Oct-11	25	Yes	INC	1	11:00	11:59	14.39	\$1,324	\$1,322	(\$506)	\$1	(\$105)	\$0	\$0	\$0	\$0
19	RT	Market Disruption	N/A	N/A	7-Oct-11	707	Yes	INC	1	10:00	10:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	RT	Market Disruption	N/A	N/A	9-Oct-11	450-1377	Yes	INC	9	12:00	20:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21	RT	Market Disruption	N/A	N/A	12-Oct-11	300	Yes	INC	1	17:00	17:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22	RT	Market Disruption	N/A	N/A	13-Oct-11	12	No	DEC	1	18:00	18:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23	RT	Market Disruption	N/A	N/A	13-Oct-11	733	Yes	INC	1	18:00	18:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	RT	Market Disruption	N/A	N/A	19-Oct-11	855	Yes	INC	1	17:00	17:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25	RT	Market Disruption	N/A	N/A	23-Oct-11	1642	Yes	INC	1	16:00	16:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Department of Market Analysis and Development – California ISO

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
26	RT	Market Disruption	PG&E	Bay Area	13-Oct-11	135	No	DEC	1	18:07	18:19	11.16	\$0	\$0	(\$291)	(\$2)	\$0	\$38	\$0	\$0	\$0
27	RT	Market Disruption	PG&E	Fresno	13-Oct-11	320	No	INC	1	18:07	18:19	-17.91	\$0	\$0	\$401	(\$18)	\$0	\$392	\$0	\$0	\$0
28	RT	Market Disruption	SCE	LA Basin	13-Oct-11	135	Yes	DEC	1	18:08	18:19	-10.00	\$0	\$0	\$258	\$0	\$0	\$0	\$0	\$0	\$0
29	RT	Market Disruption	SCE	LA Basin	13-Oct-11	200	No	INC	1	18:08	18:19	-9.33	\$0	\$0	\$240	\$0	\$0	\$0	\$0	\$0	\$0
30	RT	Path 26	SCE	Big Creek- Ventura	21-Oct-11	129- 130	Yes	INC	2	15:09	16:08	186.12	\$2,211	\$480	(\$201,845)	\$3	(\$2,196)	\$0	\$0	\$0	\$0
31	RT	Path 26	SCE	LA Basin	12-Oct-11	290- 315	Yes	INC	6	15:15	20:59	1,777.91	\$25,165	\$25,123	(\$110,234)	\$1,467	(\$61,482)	\$0	(\$78,196)	\$0	\$0
32	RT	Path 26	SDG&E	San Diego	12-Oct-11	175- 300	Yes	INC	7	15:13	21:59	-557.93	\$0	\$0	\$75,671	\$122	(\$3,946)	\$0	(\$996)	\$0	\$0
33	RT	Pump Management	PG&E	Fresno	7-Oct-11	294	Yes	INC	2	4:00	5:29	448.26	\$0	\$0	\$361	\$312	(\$55)	\$0	\$0	\$0	\$0
34	RT	Ramp Rate	N/A	N/A	12-Oct-11	44- 46	Yes	DEC	10	12:05	21:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35	RT	Ramp Rate	N/A	N/A	12-Oct-11	69- 133	Yes	INC	10	12:05	21:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
36	RT	Ramp Rate	PG&E	Bay Area	26-Oct-11	124	No	DEC	2	17:00	18:59	278.78	\$0	\$0	(\$65,011)	\$0	\$0	\$0	\$0	\$0	\$0
37	RT	Ramp Rate	PG&E	Bay Area	26-Oct-11	2- 51	No	INC	2	17:00	18:59	919.04	\$0	\$0	(\$69,341)	\$49	(\$2,402)	\$0	\$0	\$0	\$0
38	RT	Ramp Rate	PG&E	N/A	21-Oct-11	99	No	INC	2	14:51	15:01	3.13	\$0	\$0	(\$87)	\$0	\$0	\$0	\$0	\$0	\$0
39	RT	Ramp Rate	SCE	Big Creek- Ventura	23-Oct-11	200- 350	Yes	INC	1	15:00	15:59	67.78	\$0	\$0	(\$3,619)	\$38	(\$2,534)	\$0	\$0	\$0	\$0
40	RT	Ramp Rate	SCE	LA Basin	12-Oct-11	72	Yes	INC	13	11:55	23:59	2,210.27	\$48,344	\$48,262	(\$140,784)	\$1,624	(\$78,176)	\$0	(\$74,196)	\$0	\$0
41	RT	Ramp Rate	SCE	LA Basin	13-Oct-11	72	Yes	INC	14	10:40	23:59	995.89	\$52,979	\$0	(\$61,982)	\$611	(\$50,304)	\$0	\$0	\$0	\$0
42	RT	Ramp Rate	SCE	LA Basin	18-Oct-11	45- 90	No	INC	2	5:05	6:59	129.02	\$0	\$0	(\$4,669)	\$114	(\$4,115)	\$0	\$0	\$0	\$0
43	RT	Ramp Rate	SDG&E	San Diego	25-Oct-11	68	No	INC	2	18:15	19:59	-28.53	\$2,044	\$0	\$670	\$0	\$0	\$0	\$0	\$0	\$0
44	RT	Ramp Rate	SDG&E	San Diego	31-Oct-11	63	No	INC	11	9:40	19:59	509.52	\$7,856	\$0	(\$13,837)	\$0	\$0	\$0	\$0	\$0	\$0
45	RT	Risk Predictor	PG&E	N/A	29-Oct-11	140	Yes	INC	12	10:00	21:59	1,306.26	\$0	\$0	(\$65,047)	\$0	\$0	\$0	\$0	\$0	\$0
46	RT	Risk Predictor	SCE	LA Basin	13-Oct-11	20- 60	Yes	INC	23	1:00	23:59	2,626.39	\$100,450	\$30,096	(\$83,774)	\$0	\$0	\$0	\$0	\$0	\$0
47	RT	Risk Predictor	SCE	LA Basin	14-Oct-11	60- 80	Yes	INC	3	19:00	21:59	242.69	\$36,222	\$0	(\$6,712)	\$0	\$0	\$0	\$0	\$0	\$0
48	RT	Risk Predictor	SCE	LA Basin	28-Oct-11	10- 170	Yes	INC	17	7:00	23:59	1,946.73	\$61,541	\$30,414	(\$60,429)	\$0	\$0	\$0	\$0	\$0	\$0
49	RT	Risk Predictor	SCE	LA Basin	29-Oct-11	160	No	INC	24	0:00	23:59	8,620.57	\$232,531	\$0	(\$287,459)	\$0	\$0	\$0	\$0	\$0	\$0
50	RT	Risk Predictor	SDG&E	San Diego	13-Oct-11	20	Yes	INC	23	1:00	23:59	491.64	\$24,314	\$0	(\$13,422)	\$0	\$0	\$0	\$0	\$0	\$0
51	RT	SDG&E Gas Outage	SDG&E	San Diego	1-Oct-11	281	No	INC	17	6:40	22:14	2,824.90	\$84,830	\$0	(\$110,657)	\$1	(\$30)	\$0	\$0	\$0	\$0
52	RT	SDG&E Gas Outage	SDG&E	San Diego	9-Oct-11	155	Yes	DEC	6	0:00	5:59	-873.72	\$0	\$0	(\$622)	(\$891)	\$0	\$0	\$0	\$0	\$0
53	RT	Software Limitation	N/A	N/A	7-Oct-11	320	No	INC	5	1:45	5:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
54	RT	Software Limitation	N/A	N/A	10-Oct-11	0	Yes	INC	1	17:25	17:54	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Department of Market Analysis and Development – 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
55	RT	Software Limitation	N/A	N/A	24-Oct-11	160	Yes	INC	1	15:25	15:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
56	RT	Software Limitation	PG&E	Bay Area	13-Oct-11	180	No	INC	4	14:37	17:59	-18.93	\$0	\$0	\$566	\$0	\$0	\$0	\$0	\$0	\$0
57	RT	Software Limitation	PG&E	Bay Area	31-Oct-11	40	Yes	INC	2	18:06	19:01	35.00	\$2,826	\$899	(\$923)	\$0	\$0	\$0	\$0	\$0	\$0
58	RT	Software Limitation	PG&E	Fresno	5-Oct-11	294	No	DEC	1	0:45	0:59	-94.94	\$0	\$0	\$2,806	\$0	\$0	\$0	\$0	\$0	\$0
59	RT	Software Limitation	PG&E	Fresno	7-Oct-11	320	No	INC	5	1:00	5:59	978.12	\$0	\$0	(\$12,183)	\$0	\$0	\$0	\$0	\$0	\$0
60	RT	Software Limitation	PG&E	Fresno	14-Oct-11	59	No	INC	2	15:20	16:59	72.58	\$2,087	\$0	(\$2,124)	\$3	(\$85)	\$0	\$0	\$0	\$0
61	RT	Software Limitation	PG&E	Fresno	18-Oct-11	46- 96	Yes	DEC	6	16:30	21:04	-423.15	\$0	\$0	\$6,190	(\$307)	\$0	\$1,049	\$0	\$0	\$0
62	RT	Software Limitation	PG&E	Fresno	18-Oct-11	0	Yes	INC	3	19:05	21:04	-1.92	\$0	\$0	\$61	\$0	\$0	\$0	\$0	\$0	\$0
63	RT	Software Limitation	PG&E	Fresno	21-Oct-11	300	Yes	INC	1	8:43	8:51	94.07	\$1,764	\$400	(\$3,670)	\$0	\$0	\$0	\$0	\$0	\$0
64	RT	Software Limitation	PG&E	Fresno	22-Oct-11	47	Yes	INC	4	19:10	22:59	23.70	\$993	\$72	(\$750)	\$0	\$0	\$0	\$0	\$0	\$0
65	RT	Software Limitation	PG&E	Fresno	27-Oct-11	48	Yes	INC	1	5:45	5:59	11.50	\$680	\$111	(\$291)	\$0	\$0	\$0	\$0	\$0	\$0
66	RT	Software Limitation	PG&E	Fresno	28-Oct-11	0	Yes	INC	1	21:20	21:49	0.00	\$0	\$14	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0
67	RT	Software Limitation	PG&E	Fresno	30-Oct-11	0	No	INC	1	6:00	6:24	-24.50	\$0	\$0	\$595	\$0	\$0	\$0	\$0	\$0	\$0
68	RT	Software Limitation	PG&E	N/A	8-Oct-11	0	Yes	INC	4	20:25	23:29	-1.64	\$0	\$0	\$5	\$0	\$0	\$0	\$0	\$0	\$0
69	RT	Software Limitation	PG&E	N/A	10-Oct-11	18	Yes	DEC	2	13:56	14:21	-11.66	\$0	\$0	(\$82)	(\$9)	\$0	(\$68)	\$0	\$0	\$0
70	RT	Software Limitation	PG&E	N/A	10-Oct-11	0	Yes	INC	1	15:07	15:21	-7.32	\$0	\$0	(\$563)	(\$6)	\$0	(\$413)	\$0	\$0	\$0
71	RT	Software Limitation	PG&E	N/A	18-Oct-11	28- 60	No	DEC	7	6:12	12:59	-400.33	\$0	\$0	\$11,545	\$0	\$0	\$0	\$0	\$0	\$0
72	RT	Software Limitation	PG&E	N/A	24-Oct-11	3	No	INC	3	15:00	17:59	5.03	\$0	\$0	(\$104)	\$0	\$0	\$0	\$0	\$0	\$0
73	RT	Software Limitation	PG&E	N/A	31-Oct-11	66	Yes	INC	2	18:06	19:05	32.31	\$2,342	\$805	(\$799)	\$3	(\$143)	\$0	\$0	\$0	\$0
74	RT	Software Limitation	SCE	Big Creek-Ventura	21-Oct-11	0	Yes	INC	1	16:08	16:54	22.17	\$442	\$384	(\$38,395)	\$0	\$0	\$0	\$0	\$0	\$0
75	RT	Software Limitation	SCE	LA Basin	3-Oct-11	40	Yes	INC	3	13:45	15:09	40.23	\$0	\$0	(\$1,216)	\$0	\$0	\$0	\$0	\$0	\$0
76	RT	Software Limitation	SCE	LA Basin	10-Oct-11	0	Yes	INC	5	17:25	21:49	0.00	\$0	\$79	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0
77	RT	Software Limitation	SCE	LA Basin	11-Oct-11	0	Yes	INC	1	1:20	1:49	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
78	RT	Software Limitation	SCE	LA Basin	12-Oct-11	140- 976	No	DEC	11	13:00	23:59	8,090.41	\$0	\$0	\$187,851	(\$5,836)	\$0	\$114,522	\$0	\$0	\$0
79	RT	Software Limitation	SCE	LA Basin	12-Oct-11	60	Yes	INC	15	9:00	23:59	6,446.30	\$143,611	\$124,982	(\$463,870)	\$0	\$0	\$0	\$0	\$0	\$0
80	RT	Software Limitation	SCE	LA Basin	13-Oct-11	0	Yes	INC	6	18:00	23:59	0.96	\$0	\$8	(\$28)	\$0	\$0	\$0	\$0	\$0	\$0
81	RT	Software Limitation	SCE	LA Basin	20-Oct-11	0	Yes	INC	2	21:50	22:49	0.00	\$0	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0
82	RT	Software Limitation	SCE	LA Basin	21-Oct-11	0	Yes	INC	1	21:30	21:59	0.00	\$0	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0
83	RT	Software Limitation	SCE	LA Basin	22-Oct-11	0	Yes	INC	1	22:10	22:59	0.00	\$0	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0
84	RT	Software Limitation	SCE	LA Basin	27-Oct-11	0	Yes	INC	16	8:45	23:59	1.92	\$0	\$0	(\$75)	\$0	\$0	\$0	\$0	\$0	\$0
85	RT	Software Limitation	SCE	LA Basin	30-Oct-11	0	Yes	INC	2	22:15	23:14	1.40	\$0	\$0	(\$45)	\$0	\$0	\$0	\$0	\$0	\$0
86	RT	Software Limitation	SCE	N/A	13-Oct-11	185	No	DEC	1	18:06	18:19	11.20	\$0	\$0	(\$275)	\$0	\$0	\$0	\$0	\$0	\$0
87	RT	Software Limitation	SDG&E	San Diego	5-Oct-11	0	Yes	INC	2	11:00	12:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
88	RT	Software Limitation	SDG&E	San Diego	10-Oct-11	0	Yes	INC	1	17:20	17:59	0.00	\$0	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0

Department of Market Analysis and Development – California ISO

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
89	RT	Software Limitation	SDG&E	San Diego	13-Oct-11	0	Yes	INC	2	19:35	20:14	2.19	\$0	\$0	(\$65)	\$0	\$0	\$0	\$0	\$0	\$0
90	RT	Software Limitation	SDG&E	San Diego	14-Oct-11	400- 830	Yes	INC	3	9:50	11:07	-4.28	\$10,702	\$0	(\$1,127)	\$127	(\$5,393)	\$0	\$0	\$0	\$0
91	RT	Software Limitation	SDG&E	San Diego	16-Oct-11	155	No	DEC	2	4:00	5:59	-310.00	\$0	\$0	\$0	(\$310)	\$0	\$0	\$0	\$0	\$0
92	RT	System Energy	N/A	N/A	5-Oct-11	310	Yes	DEC	1	22:00	22:59	28.00	\$0	\$0	(\$342)	\$28	(\$342)	\$0	(\$404)	\$0	\$0
93	RT	System Energy	N/A	N/A	5-Oct-11	125	Yes	INC	1	22:00	22:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
94	RT	System Energy	N/A	N/A	6-Oct-11	90- 400	Yes	INC	5	1:00	5:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95	RT	System Energy	N/A	N/A	10-Oct-11	650	Yes	INC	1	18:00	18:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
96	RT	System Energy	N/A	N/A	11-Oct-11	150	Yes	INC	1	18:00	18:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
97	RT	System Energy	N/A	N/A	17-Oct-11	337	Yes	INC	1	6:00	6:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
98	RT	System Energy	N/A	N/A	21-Oct-11	50	Yes	INC	1	18:00	18:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
99	RT	System Energy	N/A	N/A	23-Oct-11	952	Yes	INC	1	18:00	18:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
100	RT	System Energy	N/A	N/A	24-Oct-11	214- 957	Yes	INC	2	17:00	18:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
101	RT	System Energy	N/A	N/A	29-Oct-11	625	Yes	INC	1	18:00	18:59	50.00	\$0	\$0	(\$774)	\$50	(\$774)	\$0	(\$2,968)	\$0	\$0
102	RT	System Energy	N/A	N/A	31-Oct-11	135- 325	Yes	INC	8	11:00	18:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
103	RT	System Energy	PG&E	N/A	16-Oct-11	380	No	INC	2	18:33	19:02	86.26	\$1,994	\$0	(\$6,568)	\$16	(\$1,272)	\$0	\$0	\$0	\$0
104	RT	T-100	N/A	N/A	11-Oct-11	40	Yes	INC	3	17:40	19:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
105	RT	T-100	PG&E	Bay Area	11-Oct-11	40	No	INC	3	17:15	19:59	241.88	\$8,840	\$597	(\$8,144)	\$0	\$0	\$0	\$0	\$0	\$0
106	RT	T-100	PG&E	N/A	31-Oct-11	56- 80	No	DEC	3	14:50	16:59	-124.62	\$0	\$0	(\$5,710)	(\$86)	\$0	(\$2,941)	\$0	(\$112)	\$0
107	RT	T-100	PG&E	N/A	31-Oct-11	24	Yes	INC	3	14:50	16:59	51.83	\$0	\$0	\$1,563	\$57	\$1,792	\$0	\$0	(\$3,027)	\$0
108	RT	T-129	PG&E	Fresno	6-Oct-11	3	Yes	DEC	1	23:55	23:59	2.27	\$0	\$0	(\$57)	\$0	\$0	\$0	\$0	\$0	\$0
109	RT	T-129	PG&E	Fresno	7-Oct-11	62	Yes	INC	1	0:00	0:14	17.31	\$0	\$0	(\$9,558)	\$0	\$0	\$0	\$0	\$0	\$0
110	RT	T-129	PG&E	Fresno	11-Oct-11	5	Yes	DEC	7	15:50	21:04	-25.63	\$0	\$0	\$1,099	(\$26)	\$0	\$1,099	\$0	(\$1,274)	\$0
111	RT	T-129	PG&E	Fresno	11-Oct-11	5	Yes	INC	9	15:50	23:59	-0.60	\$0	\$0	\$17	\$0	\$0	\$0	\$0	\$0	\$0
112	RT	T-129	PG&E	Fresno	12-Oct-11	3- 5	No	DEC	24	0:00	23:59	-407.79	\$0	\$0	\$25,689	(\$48)	\$0	\$2,400	\$0	(\$2,462)	\$0
113	RT	T-129	PG&E	Fresno	12-Oct-11	20- 60	No	INC	24	0:05	23:59	77.71	\$0	\$0	(\$381)	\$0	\$0	\$0	\$0	\$0	\$0
114	RT	T-129	PG&E	Fresno	13-Oct-11	8	No	INC	23	1:00	23:59	62.88	\$0	\$0	(\$2,034)	\$0	\$0	\$0	\$0	\$0	\$0
115	RT	T-138	PG&E	Humboldt	9-Oct-11	48	No	INC	6	18:40	23:58	83.63	\$4,905	\$0	(\$2,081)	\$50	(\$1,199)	\$0	\$0	(\$17)	\$0
116	RT	T-165	PG&E	Sierra	7-Oct-11	20	Yes	INC	7	13:40	19:49	276.13	\$8,149	\$409	(\$19,062)	\$0	\$0	\$0	\$0	\$0	\$0
117	RT	T-167	PG&E	Stockton	1-Oct-11	3- 11	No	DEC	19	5:30	23:59	-55.19	\$0	\$0	\$807	(\$43)	\$0	\$1,214	\$0	(\$1,086)	\$0
118	RT	T-167	PG&E	Stockton	1-Oct-11	15- 63	No	INC	19	5:30	23:59	199.68	\$0	\$0	(\$8,797)	\$0	\$0	\$0	\$0	\$0	\$0
119	RT	T-167	PG&E	Stockton	2-Oct-11	2	No	DEC	24	0:00	23:59	-7.82	\$0	\$0	\$223	(\$9)	\$0	\$254	\$0	(\$203)	\$0
120	RT	T-167	PG&E	Stockton	2-Oct-11	57	No	INC	24	0:00	23:59	162.50	\$0	\$0	(\$5,155)	\$0	\$0	\$0	\$0	\$0	\$0
121	RT	T-167	PG&E	Stockton	3-Oct-11	5- 10	No	DEC	24	0:00	23:59	-177.25	\$0	\$0	\$5,287	(\$117)	\$0	\$3,370	\$0	(\$2,627)	\$0
122	RT	T-167	PG&E	Stockton	3-Oct-11	57	No	INC	24	0:00	23:59	29.22	\$0	\$0	(\$1,319)	\$0	\$0	\$0	\$0	\$0	\$0
123	RT	T-167	PG&E	Stockton	4-Oct-11	10	No	DEC	24	0:00	23:59	-118.44	\$0	\$0	\$2,776	(\$23)	\$0	\$552	\$0	(\$468)	\$0
124	RT	T-167	PG&E	Stockton	4-Oct-11	47- 57	No	INC	24	0:00	23:59	124.83	\$0	\$0	(\$5,521)	\$0	\$0	\$0	\$0	\$0	\$0

Department of Market Analysis and Development – California ISO

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
125	RT	T-167	PG&E	Stockton	5-Oct-11	9	No	DEC	20	4:40	23:59	-56.07	\$0	\$0	(\$186)	(\$6)	\$0	(\$31)	\$0	(\$27)	\$0
126	RT	T-167	PG&E	Stockton	5-Oct-11	57	No	INC	20	4:40	23:59	-1.05	\$0	\$0	(\$65)	\$0	\$0	\$0	\$0	\$0	\$0
127	RT	T-167	PG&E	Stockton	6-Oct-11	9	No	DEC	24	0:00	23:59	-59.65	\$0	\$0	\$1,262	(\$22)	\$0	\$473	\$0	(\$545)	\$0
128	RT	T-167	PG&E	Stockton	6-Oct-11	10- 57	No	INC	24	0:00	23:59	99.74	\$0	\$0	(\$7,912)	\$0	\$0	\$0	\$0	\$0	\$0
129	RT	T-167	PG&E	Stockton	7-Oct-11	4	No	DEC	19	5:40	23:59	1.58	\$0	\$0	(\$52)	(\$3)	\$0	\$95	\$0	(\$65)	\$0
130	RT	T-167	PG&E	Stockton	7-Oct-11	39- 63	No	INC	19	5:40	23:59	678.98	\$0	\$0	(\$33,201)	\$0	\$0	\$0	\$0	\$0	\$0
131	RT	T-167	PG&E	Stockton	8-Oct-11	4	No	DEC	24	0:00	23:59	-3.39	\$0	\$0	\$29	(\$10)	\$0	\$218	\$0	(\$143)	\$0
132	RT	T-167	PG&E	Stockton	8-Oct-11	2- 63	No	INC	24	0:00	23:59	247.85	\$0	\$0	(\$5,650)	\$0	\$0	\$0	\$0	\$0	\$0
133	RT	T-167	PG&E	Stockton	9-Oct-11	3- 4	No	DEC	24	0:00	23:58	-28.73	\$0	\$0	\$591	(\$9)	\$0	\$192	\$0	(\$138)	\$0
134	RT	T-167	PG&E	Stockton	9-Oct-11	1- 63	No	INC	24	0:00	23:58	133.79	\$0	\$0	(\$3,040)	\$0	\$0	\$0	\$0	\$0	\$0
135	RT	T-167	PG&E	Stockton	10-Oct-11	4	No	DEC	24	0:00	23:59	-28.35	\$0	\$0	\$1,137	(\$29)	\$0	\$955	\$0	(\$561)	\$0
136	RT	T-167	PG&E	Stockton	10-Oct-11	32- 63	No	INC	24	0:00	23:59	361.96	\$0	\$0	(\$12,453)	\$0	\$0	\$0	\$0	\$0	\$0
137	RT	T-167	PG&E	Stockton	11-Oct-11	44- 63	No	INC	23	1:00	23:59	962.99	\$0	\$0	(\$45,128)	\$0	\$0	\$0	\$0	\$0	\$0
138	RT	T-167	PG&E	Stockton	12-Oct-11	4	No	DEC	23	1:00	23:59	-77.44	\$0	\$0	\$3,086	(\$32)	\$0	\$1,933	\$0	(\$1,453)	\$0
139	RT	T-167	PG&E	Stockton	12-Oct-11	62- 63	No	INC	23	1:00	23:59	360.99	\$0	\$0	(\$11,882)	\$0	\$0	\$0	\$0	\$0	\$0
140	RT	T-167	PG&E	Stockton	13-Oct-11	0- 4	No	DEC	23	1:00	23:59	-26.87	\$0	\$0	\$603	(\$21)	\$0	\$527	\$0	(\$400)	\$0
141	RT	T-167	PG&E	Stockton	13-Oct-11	2- 63	No	INC	23	1:00	23:59	30.61	\$0	\$0	(\$906)	\$0	\$0	\$0	\$0	\$0	\$0
142	RT	T-167	PG&E	Stockton	14-Oct-11	4	No	DEC	3	19:00	21:59	-3.72	\$0	\$0	\$86	(\$4)	\$0	\$85	\$0	(\$77)	\$0
143	RT	T-167	PG&E	Stockton	14-Oct-11	0	No	INC	3	19:00	21:59	2.29	\$0	\$0	(\$38)	\$0	\$0	\$0	\$0	\$0	\$0
144	RT	T-169	SCE	N/A	13-Oct-11	1- 59	No	DEC	11	11:17	21:59	-337.28	\$0	\$0	\$8,966	(\$121)	\$0	\$3,702	\$0	(\$297)	\$0
145	RT	T-169	SCE	N/A	13-Oct-11	360	No	INC	9	15:58	23:59	-466.34	\$0	\$0	\$12,113	(\$192)	\$0	\$5,510	\$0	(\$1,396)	\$0
146	RT	T-169	SCE	N/A	14-Oct-11	38- 180	No	INC	2	0:00	1:59	211.51	\$0	\$0	(\$5,835)	\$0	\$0	\$0	\$0	\$0	\$0
147	RT	T-169	SCE	N/A	21-Oct-11	1- 2	No	DEC	2	21:34	22:16	-10.13	\$0	\$0	\$315	(\$1)	\$0	\$30	\$0	(\$5)	\$0
148	RT	Transmission Outage Other	PG&E	Fresno	4-Oct-11	0	No	INC	1	23:45	23:58	-5.08	\$0	\$0	\$165	\$0	\$0	\$0	\$0	\$0	\$0
149	RT	Transmission Outage Other	PG&E	Humboldt	15-Oct-11	29	No	INC	1	17:03	17:59	10.41	\$392	\$0	(\$315)	\$4	(\$117)	\$0	\$0	(\$6)	\$0
150	RT	Transmission Outage PG&E	N/A	N/A	1-Oct-11	1- 4	Yes	DEC	4	20:00	23:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
151	RT	Transmission Outage PG&E	N/A	N/A	1-Oct-11	15- 58	Yes	INC	24	0:00	23:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
152	RT	Transmission Outage PG&E	N/A	N/A	2-Oct-11	1- 4	Yes	DEC	15	9:20	23:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
153	RT	Transmission Outage PG&E	N/A	N/A	2-Oct-11	15- 64	Yes	INC	24	0:00	23:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
154	RT	Transmission Outage PG&E	N/A	N/A	3-Oct-11	4	Yes	DEC	2	11:55	12:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
155	RT	Transmission Outage PG&E	N/A	N/A	3-Oct-11	29- 73	Yes	INC	15	0:00	14:49	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
156	RT	Transmission Outage PG&E	N/A	N/A	4-Oct-11	1- 4	Yes	DEC	5	18:25	22:29	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
157	RT	Transmission Outage PG&E	N/A	N/A	4-Oct-11	15- 64	Yes	INC	18	6:25	23:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
158	RT	Transmission Outage PG&E	N/A	N/A	5-Oct-11	15- 44	Yes	INC	13	0:00	12:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
159	RT	Transmission Outage PG&E	N/A	N/A	6-Oct-11	15	Yes	INC	10	13:00	22:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Department of Market Analysis and Development – 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
160	RT	Transmission Outage PG&E	N/A	N/A	9-Oct-11	1	Yes	DEC	3	21:45	23:58	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
161	RT	Transmission Outage PG&E	N/A	N/A	9-Oct-11	32	Yes	INC	3	21:45	23:58	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
162	RT	Transmission Outage PG&E	N/A	N/A	10-Oct-11	1	Yes	DEC	24	0:00	23:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
163	RT	Transmission Outage PG&E	N/A	N/A	10-Oct-11	3- 64	Yes	INC	24	0:00	23:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
164	RT	Transmission Outage PG&E	N/A	N/A	12-Oct-11	1- 7	Yes	DEC	16	6:30	21:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
165	RT	Transmission Outage PG&E	N/A	N/A	12-Oct-11	29- 61	Yes	INC	17	6:30	22:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
166	RT	Transmission Outage PG&E	N/A	N/A	16-Oct-11	32- 63	Yes	INC	7	16:10	22:19	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
167	RT	Transmission Outage PG&E	N/A	N/A	17-Oct-11	15	Yes	INC	5	18:40	22:44	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
168	RT	Transmission Outage PG&E	N/A	N/A	18-Oct-11	48	Yes	INC	12	7:30	18:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
169	RT	Transmission Outage PG&E	N/A	N/A	19-Oct-11	15- 48	Yes	INC	24	0:00	23:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
170	RT	Transmission Outage PG&E	N/A	N/A	20-Oct-11	32- 48	Yes	INC	4	0:00	3:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
171	RT	Transmission Outage PG&E	N/A	N/A	21-Oct-11	16- 29	Yes	INC	14	9:00	22:24	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
172	RT	Transmission Outage PG&E	N/A	N/A	22-Oct-11	29	Yes	INC	1	9:15	9:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
173	RT	Transmission Outage PG&E	N/A	N/A	23-Oct-11	16- 80	Yes	INC	6	18:00	23:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
174	RT	Transmission Outage PG&E	N/A	N/A	24-Oct-11	32- 93	Yes	INC	14	0:00	13:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
175	RT	Transmission Outage PG&E	N/A	N/A	25-Oct-11	13	Yes	INC	1	12:20	12:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
176	RT	Transmission Outage PG&E	N/A	N/A	26-Oct-11	16- 45	Yes	INC	5	6:30	10:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
177	RT	Transmission Outage PG&E	PG&E	Bay Area	23-Oct-11	24- 46	Yes	INC	4	19:00	22:59	100.50	\$1,917	\$259	(\$3,645)	\$10	(\$276)	\$0	\$0	(\$95)	\$0
178	RT	Transmission Outage PG&E	PG&E	Bay Area	24-Oct-11	44- 93	Yes	INC	16	1:00	16:08	276.70	\$10,086	\$2,084	(\$6,155)	\$109	(\$2,465)	\$0	\$0	(\$1,496)	\$0
179	RT	Transmission Outage PG&E	PG&E	Bay Area	25-Oct-11	45- 90	Yes	INC	8	16:00	23:59	656.06	\$42,480	\$44,354	(\$15,054)	\$0	\$0	\$0	\$0	\$0	\$0
180	RT	Transmission Outage PG&E	PG&E	Bay Area	26-Oct-11	7- 601	No	DEC	24	0:00	23:59	729.27	\$0	\$0	(\$147,745)	\$2	(\$233)	\$0	\$0	\$0	\$0
181	RT	Transmission Outage PG&E	PG&E	Bay Area	26-Oct-11	0	No	INC	24	0:00	23:59	2,477.80	\$0	\$0	(\$134,889)	\$47	(\$2,169)	\$0	\$0	\$0	\$0
182	RT	Transmission Outage PG&E	PG&E	Bay Area	27-Oct-11	90- 135	Yes	INC	24	0:00	23:59	1,221.03	\$141,378	\$0	(\$40,591)	\$0	\$0	\$0	\$0	\$0	\$0
183	RT	Transmission Outage PG&E	PG&E	Bay Area	28-Oct-11	45	Yes	INC	17	0:00	16:59	765.57	\$95,914	\$0	(\$23,411)	\$0	\$0	\$0	\$0	\$0	\$0
184	RT	Transmission Outage PG&E	PG&E	Fresno	5-Oct-11	294	No	DEC	1	0:00	0:59	-294.00	\$0	\$0	\$9,826	\$0	\$0	\$0	\$0	\$0	\$0
185	RT	Transmission Outage PG&E	PG&E	Humboldt	1-Oct-11	15- 29	No	INC	6	17:50	22:41	56.75	\$3,005	\$95	(\$2,054)	\$8	(\$251)	\$0	\$0	(\$54)	\$0
186	RT	Transmission Outage PG&E	PG&E	Humboldt	2-Oct-11	15- 32	No	INC	13	9:00	21:59	70.61	\$3,201	\$93	(\$2,265)	\$17	(\$563)	\$0	\$0	(\$73)	\$0
187	RT	Transmission Outage PG&E	PG&E	Humboldt	3-Oct-11	29- 61	No	INC	19	5:09	23:59	451.86	\$25,088	\$0	(\$16,441)	\$76	(\$2,409)	\$0	\$0	(\$69)	\$0
188	RT	Transmission Outage PG&E	PG&E	Humboldt	4-Oct-11	16- 48	No	INC	20	0:00	19:02	128.83	\$6,141	\$4	(\$4,164)	\$52	(\$1,532)	\$0	\$0	(\$328)	\$0
189	RT	Transmission Outage PG&E	PG&E	Humboldt	5-Oct-11	32- 76	No	INC	18	6:55	23:59	299.59	\$14,440	\$0	(\$6,461)	\$92	(\$1,810)	\$0	\$0	(\$176)	\$0
190	RT	Transmission Outage PG&E	PG&E	Humboldt	6-Oct-11	29- 61	Yes	INC	24	0:00	23:59	468.72	\$24,500	\$0	(\$12,167)	\$90	(\$2,265)	\$0	\$0	(\$179)	\$0
191	RT	Transmission Outage PG&E	PG&E	Humboldt	7-Oct-11	15- 71	No	INC	24	0:00	23:59	645.17	\$32,411	\$0	(\$28,714)	\$79	(\$1,826)	\$0	\$0	(\$140)	\$0
192	RT	Transmission Outage PG&E	PG&E	Humboldt	8-Oct-11	29- 74	No	INC	24	0:00	23:59	532.71	\$30,060	\$0	(\$13,17)	\$158	(\$3,649)	\$0	\$0	(\$100)	\$0

Department of Market Analysis and Development – California ISO

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
															9)						
193	RT	Transmission Outage PG&E	PG&E	Humboldt	9-Oct-11	15- 61	No	INC	24	0:00	23:26	453.25	\$21,953	\$0	(\$12,124)	\$163	(\$4,330)	\$0	\$0	(\$60)	\$0
194	RT	Transmission Outage PG&E	PG&E	Humboldt	10-Oct-11	29- 61	No	INC	18	6:09	23:29	482.03	\$25,088	\$103	(\$10,136)	\$98	(\$1,989)	\$0	\$0	(\$1,369)	\$0
195	RT	Transmission Outage PG&E	PG&E	Humboldt	11-Oct-11	32- 76	No	INC	23	1:00	23:59	399.95	\$21,500	\$0	(\$6,565)	\$152	(\$2,294)	\$0	\$0	(\$2,665)	\$0
196	RT	Transmission Outage PG&E	PG&E	Humboldt	12-Oct-11	29- 32	No	INC	23	1:00	23:58	44.37	\$6,860	\$0	\$3,313	\$39	(\$780)	\$3,529	\$0	(\$3,768)	\$0
197	RT	Transmission Outage PG&E	PG&E	Humboldt	15-Oct-11	44	No	INC	2	18:19	19:06	3.05	\$588	\$0	(\$90)	\$3	(\$74)	\$0	\$0	(\$15)	\$0
198	RT	Transmission Outage PG&E	PG&E	Humboldt	16-Oct-11	32- 63	No	INC	8	15:57	22:07	96.71	\$5,949	\$70	(\$3,181)	\$37	(\$1,039)	\$0	\$0	(\$313)	\$0
199	RT	Transmission Outage PG&E	PG&E	Humboldt	17-Oct-11	15- 48	No	INC	16	7:44	22:44	277.58	\$13,266	\$0	(\$9,547)	\$46	(\$1,408)	\$0	\$0	(\$142)	\$0
200	RT	Transmission Outage PG&E	PG&E	Humboldt	19-Oct-11	15- 74	No	INC	17	7:10	23:58	101.60	\$6,080	\$0	(\$2,784)	\$38	(\$1,059)	\$0	\$0	(\$289)	\$0
201	RT	Transmission Outage PG&E	PG&E	Humboldt	20-Oct-11	14- 73	No	INC	17	7:47	23:59	257.03	\$14,379	\$0	(\$8,349)	\$60	(\$1,961)	\$0	\$0	(\$282)	\$0
202	RT	Transmission Outage PG&E	PG&E	Humboldt	21-Oct-11	16- 30	No	INC	20	0:00	19:45	13.90	\$457	\$0	(\$388)	\$4	(\$107)	\$0	\$0	(\$21)	\$0
203	RT	Transmission Outage PG&E	PG&E	Humboldt	22-Oct-11	29- 48	No	INC	15	8:58	22:59	167.89	\$9,411	\$0	(\$6,550)	\$52	(\$1,366)	\$0	\$0	(\$511)	\$0
204	RT	Transmission Outage PG&E	PG&E	Humboldt	23-Oct-11	32- 48	No	INC	19	0:00	18:59	21.79	\$1,372	\$0	(\$4,245)	\$6	(\$204)	\$0	\$0	(\$7)	\$0
205	RT	Transmission Outage PG&E	PG&E	Humboldt	24-Oct-11	16- 96	No	INC	19	5:19	23:29	473.92	\$21,761	\$0	(\$12,975)	\$128	(\$3,178)	\$0	\$0	(\$1,309)	\$0
206	RT	Transmission Outage PG&E	PG&E	Humboldt	25-Oct-11	16- 97	Yes	INC	22	2:00	23:59	643.60	\$27,707	\$0	(\$16,680)	\$155	(\$3,680)	\$0	\$0	(\$2,095)	\$0
207	RT	Transmission Outage PG&E	PG&E	Humboldt	26-Oct-11	64- 93	No	INC	24	0:00	23:59	976.13	\$48,092	\$0	(\$38,375)	\$321	(\$7,330)	\$0	\$0	(\$4,730)	\$0
208	RT	Transmission Outage PG&E	PG&E	Humboldt	27-Oct-11	64- 96	No	INC	24	0:00	23:59	1,061.04	\$49,524	\$0	(\$35,909)	\$261	(\$7,667)	\$0	\$0	(\$2,123)	\$0
209	RT	Transmission Outage PG&E	PG&E	Humboldt	28-Oct-11	48- 80	No	INC	24	0:00	23:59	729.35	\$36,795	\$0	(\$22,852)	\$198	(\$5,223)	\$0	\$0	(\$2,018)	\$0
210	RT	Transmission Outage PG&E	PG&E	Humboldt	29-Oct-11	64- 96	No	INC	24	0:00	23:59	352.77	\$10,789	\$100	(\$11,448)	\$196	(\$4,894)	\$0	\$0	(\$1,883)	\$0
211	RT	Transmission Outage PG&E	PG&E	Humboldt	30-Oct-11	48- 64	No	INC	24	0:00	23:58	253.28	\$9,938	\$111	(\$8,301)	\$110	(\$2,655)	\$0	\$0	(\$1,397)	\$0
212	RT	Transmission Outage PG&E	PG&E	Humboldt	31-Oct-11	16- 64	No	INC	24	0:35	23:59	332.52	\$15,288	\$0	(\$7,568)	\$73	(\$549)	\$0	\$0	(\$2,003)	\$0
213	RT	Transmission Outage PG&E	PG&E	N/A	4-Oct-11	18	No	DEC	2	18:06	19:59	-40.17	\$0	\$0	\$1,023	(\$20)	\$0	\$481	\$0	\$0	\$0
214	RT	Transmission Outage PG&E	PG&E	N/A	10-Oct-11	6- 28	Yes	DEC	13	11:45	23:59	-198.23	\$0	\$0	(\$1,408)	(\$178)	\$0	(\$1,441)	\$0	(\$285)	\$0
215	RT	Transmission Outage PG&E	PG&E	N/A	10-Oct-11	0	Yes	INC	16	8:23	23:59	0.32	\$0	\$0	(\$52)	\$0	\$0	\$0	\$0	\$0	\$0
216	RT	Transmission Outage PG&E	PG&E	N/A	11-Oct-11	6- 33	No	DEC	24	0:45	23:59	-372.67	\$0	\$0	(\$4,103)	(\$329)	\$0	(\$1,818)	\$0	(\$509)	\$0
217	RT	Transmission Outage PG&E	PG&E	N/A	11-Oct-11	0	No	INC	24	0:00	23:59	10.75	\$0	\$0	(\$307)	\$0	\$0	\$0	\$0	\$0	\$0
218	RT	Transmission Outage PG&E	PG&E	N/A	13-Oct-11	2- 10	Yes	DEC	10	8:35	17:04	-54.36	\$0	\$0	\$1,533	(\$50)	\$0	\$1,405	\$0	(\$191)	\$0
219	RT	Transmission Outage PG&E	PG&E	N/A	13-Oct-11	12	Yes	INC	11	8:35	18:59	53.79	\$0	\$0	(\$1,454)	\$0	\$0	\$0	\$0	\$0	\$0
220	RT	Transmission Outage PG&E	PG&E	N/A	14-Oct-11	35- 68	No	DEC	14	8:32	21:40	-864.68	\$0	\$0	\$19,422	(\$639)	\$0	\$14,892	\$0	(\$5,565)	\$0
221	RT	Transmission Outage PG&E	PG&E	N/A	14-Oct-11	4	Yes	INC	14	8:38	21:40	44.15	\$0	\$0	(\$835)	\$0	\$0	\$0	\$0	\$0	\$0
222	RT	Transmission Outage PG&E	PG&E	N/A	16-Oct-11	10	Yes	DEC	7	14:20	20:59	-66.17	\$0	\$0	\$1,259	(\$65)	\$0	\$1,243	\$0	(\$212)	\$0
223	RT	Transmission Outage PG&E	PG&E	N/A	18-Oct-11	10	Yes	INC	1	5:49	5:59	5.15	\$0	\$0	(\$144)	\$0	\$0	\$0	\$0	\$0	\$0
224	RT	Transmission Outage PG&E	PG&E	N/A	21-Oct-11	1- 9	Yes	DEC	10	9:45	18:59	-22.08	\$0	\$0	\$715	(\$22)	\$0	\$705	\$0	(\$176)	\$0

Department of Market Analysis and Development – California ISO

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
225	RT	Transmission Outage PG&E	PG&E	N/A	22-Oct-11	2- 26	No	DEC	23	0:00	22:59	-102.12	\$0	\$0	\$1,951	(\$97)	\$0	\$2,139	\$0	(\$597)	\$0
226	RT	Transmission Outage PG&E	PG&E	N/A	22-Oct-11	1	No	INC	2	0:45	1:04	-0.61	\$0	\$0	\$30	\$0	\$0	\$0	\$0	\$0	\$0
227	RT	Transmission Outage PG&E	PG&E	N/A	23-Oct-11	8- 20	No	DEC	20	3:19	22:59	-46.02	\$0	\$0	\$284	(\$29)	\$0	\$647	\$0	(\$606)	\$0
228	RT	Transmission Outage PG&E	PG&E	N/A	23-Oct-11	17	No	INC	12	10:51	21:29	183.07	\$0	\$0	(\$8,689)	\$182	(\$8,664)	\$0	\$0	(\$322)	\$0
229	RT	Transmission Outage PG&E	PG&E	N/A	24-Oct-11	5- 36	No	DEC	15	9:13	23:59	-427.21	\$0	\$0	(\$5,722)	(\$286)	\$0	(\$1,750)	\$0	(\$2,309)	\$0
230	RT	Transmission Outage PG&E	PG&E	N/A	24-Oct-11	11	No	INC	1	23:00	23:59	-0.30	\$0	\$0	\$3	\$0	\$0	\$0	\$0	\$0	\$0
231	RT	Transmission Outage PG&E	PG&E	N/A	25-Oct-11	5- 21	No	DEC	24	0:00	23:59	-191.56	\$0	\$0	\$4,194	(\$38)	\$0	\$1,209	\$0	(\$298)	\$0
232	RT	Transmission Outage PG&E	PG&E	N/A	25-Oct-11	6- 27	No	INC	24	0:30	23:59	4.82	\$0	\$0	(\$152)	\$0	\$0	\$0	\$0	\$0	\$0
233	RT	Transmission Outage PG&E	PG&E	N/A	26-Oct-11	4	No	DEC	5	16:30	20:59	-3.79	\$0	\$0	\$170	(\$2)	\$0	\$133	\$0	(\$52)	\$0
234	RT	Transmission Outage PG&E	PG&E	N/A	26-Oct-11	8- 17	No	INC	9	12:00	20:59	56.07	\$0	\$0	(\$2,661)	\$0	\$0	\$0	\$0	\$0	\$0
235	RT	Transmission Outage PG&E	PG&E	N/A	27-Oct-11	4- 5	Yes	DEC	2	22:56	23:59	-3.80	\$0	\$0	\$129	(\$5)	\$0	\$156	\$0	(\$148)	\$0
236	RT	Transmission Outage PG&E	PG&E	N/A	27-Oct-11	9- 35	Yes	INC	11	11:32	21:59	323.35	\$0	\$0	(\$9,725)	\$0	\$0	\$0	\$0	\$0	\$0
237	RT	Transmission Outage PG&E	PG&E	N/A	28-Oct-11	2- 20	No	DEC	11	13:05	23:59	-93.09	\$0	\$0	\$1,590	(\$92)	\$0	\$1,572	\$0	(\$2,016)	\$0
238	RT	Transmission Outage PG&E	PG&E	N/A	28-Oct-11	13- 27	No	INC	14	0:00	13:04	95.03	\$0	\$0	(\$1,186)	\$22	\$50	\$0	\$0	(\$668)	\$0
239	RT	Transmission Outage PG&E	PG&E	N/A	29-Oct-11	2- 22	No	DEC	24	0:00	23:59	-300.40	\$0	\$0	\$8,698	(\$269)	\$0	\$8,539	\$0	(\$8,439)	\$0
240	RT	Transmission Outage PG&E	PG&E	N/A	29-Oct-11	3- 12	No	INC	14	0:00	13:59	43.56	\$0	\$0	(\$723)	\$0	\$0	\$0	\$0	\$0	\$0
241	RT	Transmission Outage PG&E	PG&E	N/A	30-Oct-11	1- 25	Yes	DEC	12	12:45	23:59	-206.25	\$0	\$0	(\$10,154)	(\$90)	\$0	\$1,892	\$0	(\$1,904)	\$0
242	RT	Transmission Outage PG&E	PG&E	N/A	30-Oct-11	0- 26	Yes	INC	15	3:00	17:59	195.84	\$0	\$0	(\$3,437)	\$0	\$0	\$0	\$0	\$0	\$0
243	RT	Transmission Outage PG&E	PG&E	N/A	31-Oct-11	10- 21	No	DEC	15	0:00	14:59	-241.71	\$0	\$0	(\$6,239)	(\$72)	\$0	\$3,716	\$0	(\$3,663)	\$0
244	RT	Transmission Outage PG&E	PG&E	N/A	31-Oct-11	19	No	INC	10	0:00	9:59	1.38	\$0	\$0	(\$90)	\$0	\$0	\$0	\$0	\$0	\$0
245	RT	Transmission Outage PG&E	PG&E	Sierra	10-Oct-11	2- 57	Yes	DEC	8	12:40	19:44	-269.24	\$0	\$0	(\$6,992)	(\$19)	\$0	\$448	\$0	(\$220)	\$0
246	RT	Transmission Outage PG&E	PG&E	Sierra	10-Oct-11	14	Yes	INC	8	12:40	19:44	1.59	\$0	\$0	(\$146)	\$0	\$0	\$0	\$0	\$0	\$0
247	RT	Transmission Outage PG&E	PG&E	Sierra	13-Oct-11	6- 14	Yes	DEC	13	9:15	21:59	-208.17	\$0	\$0	\$5,622	(\$158)	\$0	\$4,192	\$0	(\$2,696)	\$0
248	RT	Transmission Outage PG&E	PG&E	Sierra	13-Oct-11	1- 13	Yes	INC	13	9:15	21:59	29.75	\$0	\$0	(\$767)	\$0	\$0	\$0	\$0	\$0	\$0
249	RT	Transmission Outage PG&E	PG&E	Sierra	14-Oct-11	5	Yes	DEC	5	9:10	13:47	-6.24	\$0	\$0	\$204	(\$7)	\$0	\$227	\$0	(\$179)	\$0
250	RT	Transmission Outage PG&E	PG&E	Sierra	14-Oct-11	22- 49	Yes	INC	5	9:10	13:47	167.07	\$0	\$0	(\$4,827)	\$0	\$0	\$0	\$0	\$0	\$0
251	RT	Transmission Outage PG&E	PG&E	Sierra	24-Oct-11	40- 52	No	DEC	3	19:18	21:09	-90.46	\$0	\$0	\$1,823	(\$83)	\$0	\$1,682	\$0	(\$13)	\$0
252	RT	Transmission Outage PG&E	PG&E	Sierra	24-Oct-11	29	No	INC	2	20:13	21:09	-3.08	\$0	\$0	\$79	\$0	\$0	\$0	\$0	\$0	\$0
253	RT	Transmission Outage PG&E	PG&E	Sierra	25-Oct-11	45- 53	No	DEC	2	19:00	20:59	-151.64	\$0	\$0	\$3,887	(\$12)	\$0	\$332	\$0	(\$13)	\$0
254	RT	Transmission Outage PG&E	PG&E	Sierra	27-Oct-11	46- 145	Yes	INC	14	3:50	16:59	709.28	\$18,455	\$477	(\$21,398)	\$397	(\$10,857)	\$0	\$0	(\$3,345)	\$0
255	RT	Transmission Outage PG&E	PG&E	Sierra	28-Oct-11	20- 27	Yes	INC	2	8:15	9:59	74.90	\$2,397	\$349	(\$2,726)	\$13	(\$380)	\$0	\$0	(\$73)	\$0
256	RT	Transmission Outage PG&E	PG&E	Sierra	29-Oct-11	20- 35	Yes	INC	24	0:00	23:59	821.17	\$31,876	\$861	(\$25,692)	\$337	(\$8,047)	\$0	\$0	(\$5,141)	\$0
257	RT	Transmission Outage PG&E	PG&E	Sierra	30-Oct-11	35- 125	Yes	INC	24	0:00	23:59	1,244.06	\$35,711	\$0	\$12,752	\$435	\$367	\$0	\$0	(\$17,580)	\$0
258	RT	Transmission Outage PG&E	PG&E	Sierra	31-Oct-11	30- 45	Yes	INC	18	0:00	17:59	441.04	\$15,339	\$0	\$5,458	\$224	\$4,743	\$0	\$0	(\$13,623)	\$0

Department of Market Analysis and Development – California ISO

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
259	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	11-Oct-11	126- 296	No	INC	2	22:00	23:59	438.60	\$0	\$0	(\$11,707)	\$290	(\$7,198)	\$0	\$0	(\$19,788)	\$0
260	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	12-Oct-11	100	Yes	DEC	2	8:20	9:34	-15.63	\$0	\$0	\$348	\$0	\$0	\$0	\$0	\$0	\$0
261	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	12-Oct-11	436	Yes	INC	9	1:00	9:59	2,765.53	\$52,130	\$0	(\$39,616)	\$1,918	(\$27,905)	\$0	\$0	(\$176,539)	\$0
262	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	19-Oct-11	20- 160	Yes	INC	7	1:00	7:59	794.17	\$65,998	\$13,578	(\$4,343)	\$0	\$0	\$0	\$0	\$0	\$0
263	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	20-Oct-11	20- 220	No	INC	19	5:45	23:59	271.53	\$0	\$0	(\$6,605)	\$129	(\$2,785)	\$0	\$0	(\$3,297)	\$0
264	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	21-Oct-11	110- 460	Yes	INC	2	6:00	7:59	594.63	\$7,859	\$3,368	(\$65,530)	\$277	(\$26,532)	\$0	\$0	(\$825)	\$0
265	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	22-Oct-11	170	Yes	INC	1	23:46	23:59	91.72	\$0	\$0	(\$2,585)	\$17	(\$492)	\$0	\$0	(\$1,695)	\$0
266	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	23-Oct-11	200- 465	Yes	INC	11	0:00	10:14	738.54	\$10,426	\$0	(\$22,065)	\$534	(\$15,329)	\$0	\$0	(\$23,740)	\$0
267	RT	Transmission Outage SCE	SCE	LA Basin	26-Oct-11	10	Yes	INC	24	0:00	23:59	401.76	\$39,432	\$0	(\$39,656)	\$0	\$0	\$0	\$0	\$0	\$0
268	RT	Transmission Outage SCE	SCE	N/A	20-Oct-11	17	Yes	INC	2	22:10	23:59	32.14	\$1,934	\$0	(\$778)	\$0	\$0	\$0	\$0	\$0	\$0
269	RT	Transmission Outage SCE	SDG&E	San Diego	26-Oct-11	155	Yes	INC	24	0:00	23:59	5,083.71	\$125,339	\$0	(\$231,566)	\$0	\$0	\$0	\$0	\$0	\$0
270	RT	Transmission Outage SDG&E	N/A	N/A	16-Oct-11	485	Yes	INC	3	10:30	12:24	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
271	RT	Transmission Outage SDG&E	SDG&E	N/A	16-Oct-11	460	No	INC	2	11:42	12:14	-38.80	\$0	\$0	\$995	(\$10)	\$0	\$269	\$0	(\$156)	\$0
272	RT	Transmission Outage SDG&E	SDG&E	San Diego	5-Oct-11	15	Yes	INC	3	13:25	15:59	22.50	\$2,834	\$152	(\$380)	\$0	\$0	\$0	\$0	\$0	\$0
273	RT	Transmission Outage SDG&E	SDG&E	San Diego	7-Oct-11	18	Yes	INC	2	12:01	13:14	27.30	\$1,814	\$0	(\$1,136)	\$0	\$0	\$0	\$0	\$0	\$0
274	RT	Unit Testing	N/A	N/A	5-Oct-11	22	No	DEC	1	10:23	10:37	-1.70	\$0	\$0	\$55	\$0	\$0	\$0	\$0	\$0	\$0
275	RT	Unit Testing	N/A	N/A	5-Oct-11	20	Yes	INC	6	9:35	14:59	5.87	\$0	\$0	(\$109)	\$5	(\$85)	\$0	\$0	\$0	\$0
276	RT	Unit Testing	N/A	N/A	13-Oct-11	2	No	INC	1	13:15	13:22	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
277	RT	Unit Testing	SDG&E	San Diego	18-Oct-11	82- 277	No	DEC	2	13:33	14:18	-186.91	\$0	\$0	\$5,570	(\$2)	\$0	\$78	\$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 simplify 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-219. Similarly, the ISO issued additional instructions to resources B and C for the same reason as shown in Table 2. Generally exceptional dispatches prior to the day-ahead market are commitments to minimum load. In this case the dispatch levels are all at minimum load. Table 2 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 costs⁷. 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 column shows hour ending 5 as this was the hour ending for first dispatch of the day, and the End Time column shows hour ending 23, as this was the hour with last dispatch. It is also possible that there might be some hours between the begin time and the end time where there might not be exceptional dispatch instructions for the given reason, meaning that the range between the begin time and end time can include null hours with no dispatch. 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 resources 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

⁷ 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.

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 for hours, 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 the Day-Ahead Market there are 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 column shows the time of the first dispatch of the day. This is a time not a range. Similarly, the End Time column shows a time and not a range. Exceptional dispatches occurred between these two times. Since there was a commitment between the begin time and end time then the Commitment column displays yes for the summary. Similarly, the INC/DEC column shows an INC as there was an incremental dispatch between the begin time and end time. As mentioned in the previous example it is possible that there might be some hours between the begin time and end time where there were no exceptional dispatch instructions for the given reason. 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.

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. 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 its 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 & 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 intervals 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 8,928 five-minute intervals in October, this resource was issued exceptional dispatch instructions in 997 five-minute intervals. It was eligible to set the LMP in 829 of the 997 intervals. Resource calculated LMP was larger than the market LMP in 796 of the 829 intervals. In the 796 intervals, the average increase in five minute LMP was \$34.91/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 \$34.91/MWh. Note that 796 five minute intervals are approximately 8.92 percent of the total 8,928 five minute intervals.

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 8,928 five minute intervals, this resource was issued an exceptional dispatch instruction in 666 five minute intervals. This resource was eligible to set the LMP in all 666 intervals. Out of the 666 intervals, resource calculated LMP was larger than the market LMP in 642 intervals. In the 642 intervals, the average increase in five minute LMP was \$45.78/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 \$45.78/MWh. The 642 five minute intervals account for approximately 7.19 percent of the total 8,928 five minute intervals.

Table 8: Price Impact Analysis Information for Pricing Node A in PGAE LAP

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1	27-Oct-11	4	11	\$23.95	No	\$40.28	\$16.33
2	27-Oct-11	4	12	\$25.38	No	\$40.28	\$14.90
3	27-Oct-11	5	1	-\$30.26	No	\$40.28	\$70.54
4	27-Oct-11	5	2	\$15.37	No	\$40.28	\$24.91
5	27-Oct-11	5	3	\$16.42	No	\$40.28	\$23.86
6	27-Oct-11	5	4	\$16.55	No	\$40.28	\$23.73
7	27-Oct-11	5	4	\$16.55	No	\$40.28	\$23.73
8	27-Oct-11	5	5	\$17.60	No	\$40.28	\$22.68
9	27-Oct-11	5	5	\$17.60	No	\$40.28	\$22.68
10	27-Oct-11	5	6	\$23.42	No	\$40.28	\$16.86
11	27-Oct-11	5	6	\$23.42	No	\$40.28	\$16.86
12	27-Oct-11	5	7	\$22.76	No	\$40.28	\$17.52
13	27-Oct-11	5	7	\$22.76	No	\$40.28	\$17.52
14	27-Oct-11	5	8	\$22.76	No	\$40.28	\$17.52
15	27-Oct-11	5	8	\$22.76	No	\$40.28	\$17.52
16	27-Oct-11	5	9	\$22.76	No	\$40.28	\$17.52
17	27-Oct-11	5	9	\$22.76	No	\$40.28	\$17.52
18	27-Oct-11	5	10	\$23.18	No	\$40.28	\$17.10
19	27-Oct-11	5	10	\$23.18	No	\$40.28	\$17.10
20	27-Oct-11	5	11	\$24.36	No	\$40.28	\$15.92
21	27-Oct-11	5	11	\$24.36	No	\$40.28	\$15.92
22	27-Oct-11	5	12	\$24.36	No	\$40.28	\$15.92
23	27-Oct-11	5	12	\$24.36	No	\$40.28	\$15.92
24	27-Oct-11	6	1	\$23.23	No	\$40.28	\$17.05
25	27-Oct-11	6	2	\$19.86	No	\$40.28	\$20.42
26	27-Oct-11	6	3	\$19.86	No	\$40.28	\$20.42
27	27-Oct-11	6	4	\$16.77	No	\$40.28	\$23.51
28	27-Oct-11	6	5	\$16.77	No	\$40.28	\$23.51
29	27-Oct-11	6	6	\$23.75	No	\$40.28	\$16.53
30	27-Oct-11	6	7	\$24.78	No	\$40.28	\$15.50
31	27-Oct-11	6	8	\$24.78	No	\$40.28	\$15.50
32	27-Oct-11	6	9	\$24.37	No	\$40.28	\$15.91
33	27-Oct-11	6	10	\$24.80	No	\$40.28	\$15.48
34	27-Oct-11	6	11	\$25.36	No	\$40.28	\$14.92
35	27-Oct-11	6	12	\$21.04	No	\$40.28	\$19.24
36	27-Oct-11	7	1	\$22.14	No	\$40.28	\$18.14
37	27-Oct-11	7	2	\$22.42	No	\$40.28	\$17.86
38	27-Oct-11	7	3	\$23.27	No	\$40.28	\$17.01
39	27-Oct-11	7	4	\$24.60	No	\$40.28	\$15.68
40	27-Oct-11	7	5	\$26.30	No	\$40.28	\$13.98
41	27-Oct-11	7	6	\$27.74	No	\$40.28	\$12.54
42	27-Oct-11	7	7	\$29.46	No	\$40.28	\$10.82
43	27-Oct-11	7	8	\$29.48	No	\$40.28	\$10.80

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
44	27-Oct-11	7	9	\$36.13	No	\$40.28	\$4.15
45	27-Oct-11	7	10	\$34.17	No	\$40.28	\$6.11
46	27-Oct-11	7	11	\$36.19	No	\$40.28	\$4.09
47	27-Oct-11	7	12	\$41.58	No	\$40.28	-\$1.30
48	27-Oct-11	8	1	\$36.20	No	\$40.28	\$4.08
49	27-Oct-11	8	2	\$38.38	No	\$40.28	\$1.90
50	27-Oct-11	8	3	\$37.85	No	\$40.28	\$2.43
51	27-Oct-11	8	4	\$38.26	No	\$40.28	\$2.02
52	27-Oct-11	8	5	\$38.26	No	\$40.28	\$2.02
53	27-Oct-11	8	6	\$38.26	No	\$40.28	\$2.02
54	27-Oct-11	8	7	\$43.58	No	\$40.28	-\$3.30
55	27-Oct-11	8	8	\$41.74	No	\$40.28	-\$1.46
56	27-Oct-11	8	9	\$41.63	No	\$40.28	-\$1.35
57	27-Oct-11	8	10	\$41.73	No	\$40.28	-\$1.45
58	27-Oct-11	8	11	\$41.73	No	\$40.28	-\$1.45
59	27-Oct-11	8	12	\$51.58	No	\$40.28	-\$11.30
60	27-Oct-11	9	1	\$36.20	No	\$40.28	\$4.08
61	27-Oct-11	9	2	\$38.46	No	\$40.28	\$1.82
62	27-Oct-11	9	3	\$44.89	No	\$40.28	-\$4.61
63	27-Oct-11	9	4	\$44.98	No	\$40.28	-\$4.70
64	27-Oct-11	9	5	\$59.86	No	\$40.28	-\$19.58
65	27-Oct-11	9	6	\$41.03	No	\$40.28	-\$0.75
66	27-Oct-11	9	7	\$38.50	No	\$40.28	\$1.78
67	27-Oct-11	9	8	\$38.50	No	\$40.28	\$1.78
68	27-Oct-11	9	9	\$38.71	No	\$40.28	\$1.57
69	27-Oct-11	9	10	\$41.89	No	\$40.28	-\$1.61
70	27-Oct-11	9	11	\$41.89	No	\$40.28	-\$1.61
71	27-Oct-11	9	12	\$46.29	No	\$40.28	-\$6.01
72	27-Oct-11	10	1	\$32.51	No	\$40.28	\$7.77
73	27-Oct-11	10	2	\$29.37	No	\$40.28	\$10.91
74	27-Oct-11	10	3	\$29.37	No	\$40.28	\$10.91
75	27-Oct-11	10	4	\$29.29	No	\$40.28	\$10.99
76	27-Oct-11	10	5	\$32.46	No	\$40.28	\$7.82
77	27-Oct-11	10	6	\$36.30	No	\$40.28	\$3.98
78	27-Oct-11	10	7	\$39.28	No	\$40.28	\$1.00
79	27-Oct-11	10	8	\$41.63	No	\$40.28	-\$1.35
80	27-Oct-11	10	9	\$41.63	No	\$40.28	-\$1.35
81	27-Oct-11	10	10	\$32.57	No	\$40.28	\$7.71
82	27-Oct-11	10	11	\$32.58	No	\$40.28	\$7.70
83	27-Oct-11	10	12	\$32.53	No	\$40.28	\$7.75
84	27-Oct-11	11	1	\$32.74	No	\$40.28	\$7.54
85	27-Oct-11	11	2	\$29.64	No	\$40.28	\$10.64
86	27-Oct-11	11	3	\$29.73	No	\$40.28	\$10.55
87	27-Oct-11	11	4	\$29.69	No	\$40.28	\$10.59
88	27-Oct-11	11	5	\$29.69	No	\$40.28	\$10.59

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
89	27-Oct-11	11	6	\$32.84	No	\$40.28	\$7.44
90	27-Oct-11	11	7	\$32.69	No	\$40.28	\$7.59
91	27-Oct-11	11	8	\$38.31	No	\$40.28	\$1.97
92	27-Oct-11	11	9	\$60.32	No	\$40.28	-\$20.04
93	27-Oct-11	11	10	\$41.41	No	\$40.28	-\$1.13
94	27-Oct-11	11	11	\$41.34	No	\$40.28	-\$1.06
95	27-Oct-11	11	12	\$41.41	No	\$40.28	-\$1.13
96	27-Oct-11	12	1	\$35.88	No	\$40.28	\$4.40
97	27-Oct-11	12	2	\$29.06	No	\$40.28	\$11.22
98	27-Oct-11	12	3	\$32.18	No	\$40.28	\$8.10
99	27-Oct-11	12	4	\$32.10	No	\$40.28	\$8.18
100	27-Oct-11	12	5	\$32.34	No	\$40.28	\$7.94
101	27-Oct-11	12	6	\$35.02	No	\$40.28	\$5.26
102	27-Oct-11	12	7	\$37.10	No	\$40.28	\$3.18
103	27-Oct-11	12	8	\$36.49	No	\$40.28	\$3.79
104	27-Oct-11	12	9	\$36.47	No	\$40.28	\$3.81
105	27-Oct-11	12	10	\$35.88	No	\$40.28	\$4.40
106	27-Oct-11	12	11	\$35.61	No	\$40.28	\$4.67
107	27-Oct-11	12	12	\$33.46	No	\$40.28	\$6.82
108	27-Oct-11	13	1	\$31.65	No	\$40.28	\$8.63
109	27-Oct-11	13	2	\$31.88	No	\$40.28	\$8.40
110	27-Oct-11	13	3	\$31.64	No	\$40.28	\$8.64
111	27-Oct-11	13	4	\$28.20	No	\$40.28	\$12.08
112	27-Oct-11	13	5	\$28.23	No	\$40.28	\$12.05
113	27-Oct-11	13	6	\$27.94	No	\$40.28	\$12.34
114	27-Oct-11	13	7	\$29.46	No	\$40.28	\$10.82
115	27-Oct-11	13	8	\$28.53	No	\$40.28	\$11.75
116	27-Oct-11	13	9	\$31.45	No	\$40.28	\$8.83
117	27-Oct-11	13	10	\$30.33	No	\$40.28	\$9.95
118	27-Oct-11	13	11	\$30.33	No	\$40.28	\$9.95
119	27-Oct-11	13	12	\$30.33	No	\$40.28	\$9.95
120	27-Oct-11	14	1	\$28.12	No	\$40.28	\$12.16
121	27-Oct-11	14	2	\$28.31	No	\$40.28	\$11.97
122	27-Oct-11	14	3	\$28.54	No	\$40.28	\$11.74
123	27-Oct-11	14	4	\$29.16	No	\$40.28	\$11.12
124	27-Oct-11	14	5	\$31.05	No	\$40.28	\$9.23
125	27-Oct-11	14	6	\$31.07	No	\$40.28	\$9.21
126	27-Oct-11	14	7	\$31.13	No	\$40.28	\$9.15
127	27-Oct-11	14	8	\$31.14	No	\$40.28	\$9.14
128	27-Oct-11	14	9	\$31.14	No	\$40.28	\$9.14
129	27-Oct-11	14	10	\$31.15	No	\$40.28	\$9.13
130	27-Oct-11	14	11	\$31.15	No	\$40.28	\$9.13
131	27-Oct-11	14	12	\$33.06	No	\$40.28	\$7.22
132	27-Oct-11	15	1	\$29.15	No	\$40.28	\$11.13
133	27-Oct-11	15	2	\$27.92	No	\$40.28	\$12.36

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
134	27-Oct-11	15	3	\$28.19	No	\$40.28	\$12.09
135	27-Oct-11	15	4	\$28.14	No	\$40.28	\$12.14
136	27-Oct-11	15	5	\$27.70	No	\$40.28	\$12.58
137	27-Oct-11	15	6	\$27.70	No	\$40.28	\$12.58
138	27-Oct-11	15	7	\$28.06	No	\$40.28	\$12.22
139	27-Oct-11	15	8	\$29.06	No	\$40.28	\$11.22
140	27-Oct-11	15	9	\$29.81	No	\$40.28	\$10.47
141	27-Oct-11	15	10	\$29.05	No	\$40.28	\$11.23
142	27-Oct-11	15	11	\$30.79	No	\$40.28	\$9.49
143	27-Oct-11	15	12	\$31.72	No	\$40.28	\$8.56
144	27-Oct-11	16	1	\$31.06	No	\$40.28	\$9.22
145	27-Oct-11	16	2	\$31.71	No	\$40.28	\$8.57
146	27-Oct-11	16	3	\$36.07	No	\$40.28	\$4.21
147	27-Oct-11	16	4	\$36.12	No	\$40.28	\$4.16
148	27-Oct-11	16	5	\$37.20	No	\$40.28	\$3.08
149	27-Oct-11	16	6	\$37.20	No	\$40.28	\$3.08
150	27-Oct-11	16	7	\$31.49	No	\$40.28	\$8.79
151	27-Oct-11	16	8	\$30.79	No	\$40.28	\$9.49
152	27-Oct-11	16	9	\$30.79	No	\$40.28	\$9.49
153	27-Oct-11	16	10	\$35.85	No	\$40.28	\$4.43
154	27-Oct-11	16	11	\$35.96	No	\$40.28	\$4.32
155	27-Oct-11	16	12	\$35.85	No	\$40.28	\$4.43
156	27-Oct-11	17	1	\$37.22	No	\$40.28	\$3.06
157	27-Oct-11	17	2	\$36.30	No	\$40.28	\$3.98
158	27-Oct-11	17	3	\$38.54	No	\$40.28	\$1.74
159	27-Oct-11	17	3	\$38.54	No	\$40.28	\$1.74
160	27-Oct-11	17	4	\$37.28	No	\$40.28	\$3.00
161	27-Oct-11	17	5	\$37.74	No	\$40.28	\$2.54
162	27-Oct-11	17	6	\$38.57	No	\$40.28	\$1.71
163	27-Oct-11	17	7	\$39.24	No	\$40.28	\$1.04
164	27-Oct-11	17	8	\$35.52	No	\$40.28	\$4.76
165	27-Oct-11	17	9	\$34.57	No	\$40.28	\$5.71
166	27-Oct-11	17	10	\$36.26	No	\$40.28	\$4.02
167	27-Oct-11	17	11	\$34.49	No	\$40.28	\$5.79
168	27-Oct-11	17	12	\$35.48	No	\$40.28	\$4.80
169	28-Oct-11	9	4	\$36.11	Yes	\$39.66	\$3.55
170	28-Oct-11	9	5	\$39.96	Yes	\$39.66	-\$0.30
171	28-Oct-11	9	6	\$41.48	Yes	\$39.66	-\$1.82
172	28-Oct-11	9	7	\$40.31	Yes	\$39.66	-\$0.65
173	28-Oct-11	9	7	\$40.31	Yes	\$39.66	-\$0.65
174	28-Oct-11	9	8	\$41.92	Yes	\$39.66	-\$2.26
175	28-Oct-11	9	8	\$41.92	Yes	\$39.66	-\$2.26
176	28-Oct-11	9	9	\$42.35	Yes	\$39.66	-\$2.69
177	28-Oct-11	9	9	\$42.35	Yes	\$39.66	-\$2.69
178	28-Oct-11	9	10	\$40.50	Yes	\$39.66	-\$0.84

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
179	28-Oct-11	9	10	\$40.50	Yes	\$39.66	-\$0.84
180	28-Oct-11	9	11	\$39.71	Yes	\$39.66	-\$0.05
181	28-Oct-11	9	11	\$39.71	Yes	\$39.66	-\$0.05
182	28-Oct-11	9	12	\$40.95	Yes	\$39.66	-\$1.29
183	28-Oct-11	9	12	\$40.95	Yes	\$39.66	-\$1.29
184	28-Oct-11	10	1	\$28.41	Yes	\$39.66	\$11.25
185	28-Oct-11	10	2	\$29.44	Yes	\$39.66	\$10.22
186	28-Oct-11	10	3	\$29.44	Yes	\$39.66	\$10.22
187	28-Oct-11	10	4	\$32.50	Yes	\$39.66	\$7.16
188	28-Oct-11	10	5	\$32.50	Yes	\$39.66	\$7.16
189	28-Oct-11	10	6	\$35.45	Yes	\$39.66	\$4.21
190	28-Oct-11	10	7	\$28.00	Yes	\$39.66	\$11.66
191	28-Oct-11	10	8	\$28.43	Yes	\$39.66	\$11.23
192	28-Oct-11	10	9	\$30.59	Yes	\$39.66	\$9.07
193	28-Oct-11	10	10	\$34.27	Yes	\$39.66	\$5.39
194	28-Oct-11	10	11	\$36.42	Yes	\$39.66	\$3.24
195	28-Oct-11	10	12	\$36.42	Yes	\$39.66	\$3.24
196	29-Oct-11	1	1	\$24.64	Yes	\$39.60	\$14.96
197	29-Oct-11	1	2	\$25.11	Yes	\$39.60	\$14.49
198	29-Oct-11	1	3	\$27.46	Yes	\$39.60	\$12.14
199	29-Oct-11	1	4	\$35.21	Yes	\$39.60	\$4.39
200	29-Oct-11	1	5	\$25.10	Yes	\$39.60	\$14.50
201	29-Oct-11	1	6	\$27.02	Yes	\$39.60	\$12.58
202	29-Oct-11	1	6	\$27.02	Yes	\$39.60	\$12.58
203	29-Oct-11	1	7	\$24.87	Yes	\$39.60	\$14.73
204	29-Oct-11	1	7	\$24.87	Yes	\$39.60	\$14.73
205	29-Oct-11	1	8	\$27.20	Yes	\$39.60	\$12.40
206	29-Oct-11	1	8	\$27.20	Yes	\$39.60	\$12.40
207	29-Oct-11	1	9	\$26.03	Yes	\$39.60	\$13.57
208	29-Oct-11	1	9	\$26.03	Yes	\$39.60	\$13.57
209	29-Oct-11	1	10	\$23.45	Yes	\$39.60	\$16.15
210	29-Oct-11	1	10	\$23.45	Yes	\$39.60	\$16.15
211	29-Oct-11	1	11	\$23.82	Yes	\$39.60	\$15.78
212	29-Oct-11	1	11	\$23.82	Yes	\$39.60	\$15.78
213	29-Oct-11	1	12	\$23.82	Yes	\$39.60	\$15.78
214	29-Oct-11	1	12	\$23.82	Yes	\$39.60	\$15.78
215	29-Oct-11	2	1	\$33.66	Yes	\$39.60	\$5.94
216	29-Oct-11	2	2	\$27.10	Yes	\$39.60	\$12.50
217	29-Oct-11	2	3	\$25.89	Yes	\$39.60	\$13.71
218	29-Oct-11	2	4	\$25.96	Yes	\$39.60	\$13.64
219	29-Oct-11	2	5	\$25.30	Yes	\$39.60	\$14.30
220	29-Oct-11	2	6	\$25.00	Yes	\$39.60	\$14.60
221	29-Oct-11	2	7	\$25.43	Yes	\$39.60	\$14.17
222	29-Oct-11	2	8	\$24.48	Yes	\$39.60	\$15.12
223	29-Oct-11	2	9	\$23.79	Yes	\$39.60	\$15.81

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
224	29-Oct-11	2	10	\$23.79	Yes	\$39.60	\$15.81
225	29-Oct-11	2	11	\$23.79	Yes	\$39.60	\$15.81
226	29-Oct-11	2	12	\$23.79	Yes	\$39.60	\$15.81
227	29-Oct-11	3	1	\$24.87	Yes	\$39.60	\$14.73
228	29-Oct-11	3	1	\$24.87	Yes	\$39.60	\$14.73
229	29-Oct-11	3	2	\$24.64	Yes	\$39.60	\$14.96
230	29-Oct-11	3	2	\$24.64	Yes	\$39.60	\$14.96
231	29-Oct-11	3	3	\$22.06	Yes	\$39.60	\$17.54
232	29-Oct-11	3	3	\$22.06	Yes	\$39.60	\$17.54
233	29-Oct-11	3	4	\$23.80	Yes	\$39.60	\$15.80
234	29-Oct-11	3	4	\$23.80	Yes	\$39.60	\$15.80
235	29-Oct-11	3	5	\$23.80	Yes	\$39.60	\$15.80
236	29-Oct-11	3	6	\$23.80	Yes	\$39.60	\$15.80
237	29-Oct-11	3	7	\$23.96	Yes	\$39.60	\$15.64
238	29-Oct-11	3	8	\$23.96	Yes	\$39.60	\$15.64
239	29-Oct-11	3	9	\$23.90	Yes	\$39.60	\$15.70
240	29-Oct-11	3	10	\$22.44	Yes	\$39.60	\$17.16
241	29-Oct-11	3	11	\$18.31	Yes	\$39.60	\$21.29
242	29-Oct-11	3	12	\$22.44	Yes	\$39.60	\$17.16
243	29-Oct-11	6	5	\$21.82	Yes	\$39.60	\$17.78
244	29-Oct-11	6	6	\$21.82	Yes	\$39.60	\$17.78
245	29-Oct-11	6	7	\$24.84	Yes	\$39.60	\$14.76
246	29-Oct-11	6	8	\$24.84	Yes	\$39.60	\$14.76
247	29-Oct-11	6	9	\$24.84	Yes	\$39.60	\$14.76
248	29-Oct-11	6	10	\$24.61	Yes	\$39.60	\$14.99
249	29-Oct-11	6	11	\$20.95	Yes	\$39.60	\$18.65
250	29-Oct-11	6	12	\$20.95	Yes	\$39.60	\$18.65
251	29-Oct-11	7	1	\$0.01	Yes	\$39.60	\$39.59
252	29-Oct-11	7	2	\$0.01	Yes	\$39.60	\$39.59
253	29-Oct-11	7	3	\$3.63	Yes	\$39.60	\$35.97
254	29-Oct-11	7	4	\$23.87	Yes	\$39.60	\$15.73
255	29-Oct-11	7	5	\$24.85	Yes	\$39.60	\$14.75
256	29-Oct-11	7	6	\$27.26	Yes	\$39.60	\$12.34
257	29-Oct-11	7	7	\$26.77	Yes	\$39.60	\$12.83
258	29-Oct-11	7	8	\$27.26	Yes	\$39.60	\$12.34
259	29-Oct-11	7	9	\$30.61	Yes	\$39.60	\$8.99
260	29-Oct-11	7	9	\$30.61	Yes	\$39.60	\$8.99
261	29-Oct-11	7	10	\$32.89	Yes	\$39.60	\$6.71
262	29-Oct-11	7	10	\$32.89	Yes	\$39.60	\$6.71
263	29-Oct-11	7	11	\$33.71	Yes	\$39.60	\$5.89
264	29-Oct-11	7	11	\$33.71	Yes	\$39.60	\$5.89
265	29-Oct-11	7	12	\$35.40	Yes	\$39.60	\$4.20
266	29-Oct-11	7	12	\$35.40	Yes	\$39.60	\$4.20
267	29-Oct-11	8	1	\$30.89	Yes	\$39.60	\$8.71
268	29-Oct-11	8	2	\$30.89	Yes	\$39.60	\$8.71

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
269	29-Oct-11	8	3	\$35.70	Yes	\$39.60	\$3.90
270	29-Oct-11	8	4	\$26.33	Yes	\$39.60	\$13.27
271	29-Oct-11	8	5	\$26.33	Yes	\$39.60	\$13.27
272	29-Oct-11	8	6	\$27.29	Yes	\$39.60	\$12.31
273	29-Oct-11	8	7	\$23.91	Yes	\$39.60	\$15.69
274	29-Oct-11	8	8	\$23.91	Yes	\$39.60	\$15.69
275	29-Oct-11	8	9	\$26.39	Yes	\$39.60	\$13.21
276	29-Oct-11	8	10	\$25.26	Yes	\$39.60	\$14.34
277	29-Oct-11	8	11	\$25.95	Yes	\$39.60	\$13.65
278	29-Oct-11	8	12	\$32.88	Yes	\$39.60	\$6.72
279	29-Oct-11	9	1	\$0.01	Yes	\$39.60	\$39.59
280	29-Oct-11	9	2	\$0.01	Yes	\$39.60	\$39.59
281	29-Oct-11	9	3	\$16.08	Yes	\$39.60	\$23.52
282	29-Oct-11	9	4	\$23.36	Yes	\$39.60	\$16.24
283	29-Oct-11	9	5	\$24.00	Yes	\$39.60	\$15.60
284	29-Oct-11	9	6	\$23.79	Yes	\$39.60	\$15.81
285	29-Oct-11	9	7	\$24.24	Yes	\$39.60	\$15.36
286	29-Oct-11	9	8	\$25.62	Yes	\$39.60	\$13.98
287	29-Oct-11	9	9	\$26.53	Yes	\$39.60	\$13.07
288	29-Oct-11	9	10	\$27.55	Yes	\$39.60	\$12.05
289	29-Oct-11	9	11	\$29.26	Yes	\$39.60	\$10.34
290	29-Oct-11	9	12	\$31.95	Yes	\$39.60	\$7.65
291	29-Oct-11	10	1	\$14.71	Yes	\$39.60	\$24.89
292	29-Oct-11	10	2	\$16.35	Yes	\$39.60	\$23.25
293	29-Oct-11	10	3	\$23.75	Yes	\$39.60	\$15.85
294	29-Oct-11	10	4	\$24.12	Yes	\$39.60	\$15.48
295	29-Oct-11	10	5	\$24.12	Yes	\$39.60	\$15.48
296	29-Oct-11	10	6	\$24.43	Yes	\$39.60	\$15.17
297	29-Oct-11	10	7	\$24.55	Yes	\$39.60	\$15.05
298	29-Oct-11	10	8	\$24.55	Yes	\$39.60	\$15.05
299	29-Oct-11	10	9	\$24.55	Yes	\$39.60	\$15.05
300	29-Oct-11	10	10	\$24.59	Yes	\$39.60	\$15.01
301	29-Oct-11	10	11	\$25.31	Yes	\$39.60	\$14.29
302	29-Oct-11	10	12	\$31.54	Yes	\$39.60	\$8.06
303	29-Oct-11	11	1	\$23.78	Yes	\$39.60	\$15.82
304	29-Oct-11	11	2	\$14.80	Yes	\$39.60	\$24.80
305	29-Oct-11	11	3	\$23.78	Yes	\$39.60	\$15.82
306	29-Oct-11	11	4	\$29.13	Yes	\$39.60	\$10.47
307	29-Oct-11	11	5	\$25.92	Yes	\$39.60	\$13.68
308	29-Oct-11	11	6	\$25.93	Yes	\$39.60	\$13.67
309	29-Oct-11	11	7	\$23.89	Yes	\$39.60	\$15.71
310	29-Oct-11	11	8	\$24.24	Yes	\$39.60	\$15.36
311	29-Oct-11	11	9	\$26.23	Yes	\$39.60	\$13.37
312	29-Oct-11	11	10	\$25.91	Yes	\$39.60	\$13.69
313	29-Oct-11	11	11	\$25.91	Yes	\$39.60	\$13.69

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
314	29-Oct-11	11	12	\$29.62	Yes	\$39.60	\$9.98
315	29-Oct-11	12	1	\$24.30	Yes	\$39.60	\$15.30
316	29-Oct-11	12	2	\$24.30	Yes	\$39.60	\$15.30
317	29-Oct-11	12	3	\$24.30	Yes	\$39.60	\$15.30
318	29-Oct-11	12	4	\$24.53	Yes	\$39.60	\$15.07
319	29-Oct-11	12	5	\$24.53	Yes	\$39.60	\$15.07
320	29-Oct-11	12	5	\$24.53	Yes	\$39.60	\$15.07
321	29-Oct-11	12	6	\$25.91	Yes	\$39.60	\$13.69
322	29-Oct-11	12	6	\$25.91	Yes	\$39.60	\$13.69
323	29-Oct-11	12	7	\$26.03	Yes	\$39.60	\$13.57
324	29-Oct-11	12	7	\$26.03	Yes	\$39.60	\$13.57
325	29-Oct-11	12	8	\$26.11	Yes	\$39.60	\$13.49
326	29-Oct-11	12	8	\$26.11	Yes	\$39.60	\$13.49
327	29-Oct-11	12	9	\$26.11	Yes	\$39.60	\$13.49
328	29-Oct-11	12	9	\$26.11	Yes	\$39.60	\$13.49
329	29-Oct-11	12	10	\$20.81	Yes	\$39.60	\$18.79
330	29-Oct-11	12	10	\$20.81	Yes	\$39.60	\$18.79
331	29-Oct-11	12	11	\$23.81	Yes	\$39.60	\$15.79
332	29-Oct-11	12	11	\$23.81	Yes	\$39.60	\$15.79
333	29-Oct-11	12	12	\$24.28	Yes	\$39.60	\$15.32
334	29-Oct-11	12	12	\$24.28	Yes	\$39.60	\$15.32
335	29-Oct-11	13	1	\$24.12	Yes	\$39.60	\$15.48
336	29-Oct-11	13	2	\$23.65	Yes	\$39.60	\$15.95
337	29-Oct-11	13	3	\$23.65	Yes	\$39.60	\$15.95
338	29-Oct-11	13	4	\$24.09	Yes	\$39.60	\$15.51
339	29-Oct-11	13	5	\$24.09	Yes	\$39.60	\$15.51
340	29-Oct-11	13	6	\$24.09	Yes	\$39.60	\$15.51
341	29-Oct-11	13	7	\$24.09	Yes	\$39.60	\$15.51
342	29-Oct-11	13	8	\$24.09	Yes	\$39.60	\$15.51
343	29-Oct-11	13	9	\$24.09	Yes	\$39.60	\$15.51
344	29-Oct-11	13	10	\$25.76	Yes	\$39.60	\$13.84
345	29-Oct-11	13	11	\$25.76	Yes	\$39.60	\$13.84
346	29-Oct-11	13	12	\$26.79	Yes	\$39.60	\$12.81
347	29-Oct-11	14	1	\$26.09	Yes	\$39.60	\$13.51
348	29-Oct-11	14	2	\$25.66	Yes	\$39.60	\$13.94
349	29-Oct-11	14	3	\$24.44	Yes	\$39.60	\$15.16
350	29-Oct-11	14	4	\$24.29	Yes	\$39.60	\$15.31
351	29-Oct-11	14	5	\$24.29	Yes	\$39.60	\$15.31
352	29-Oct-11	14	6	\$24.02	Yes	\$39.60	\$15.58
353	29-Oct-11	14	7	\$16.34	Yes	\$39.60	\$23.26
354	29-Oct-11	14	8	\$17.64	Yes	\$39.60	\$21.96
355	29-Oct-11	14	8	\$17.64	Yes	\$39.60	\$21.96
356	29-Oct-11	14	9	\$20.79	Yes	\$39.60	\$18.81
357	29-Oct-11	14	9	\$20.79	Yes	\$39.60	\$18.81
358	29-Oct-11	14	10	\$23.66	Yes	\$39.60	\$15.94

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
359	29-Oct-11	14	10	\$23.66	Yes	\$39.60	\$15.94
360	29-Oct-11	14	11	\$20.75	Yes	\$39.60	\$18.85
361	29-Oct-11	14	11	\$20.75	Yes	\$39.60	\$18.85
362	29-Oct-11	14	12	\$14.84	Yes	\$39.60	\$24.76
363	29-Oct-11	14	12	\$14.84	Yes	\$39.60	\$24.76
364	29-Oct-11	15	1	\$13.01	Yes	\$39.60	\$26.59
365	29-Oct-11	15	2	\$0.01	Yes	\$39.60	\$39.59
366	29-Oct-11	15	3	\$13.01	Yes	\$39.60	\$26.59
367	29-Oct-11	15	4	\$13.23	Yes	\$39.60	\$26.37
368	29-Oct-11	15	5	\$14.66	Yes	\$39.60	\$24.94
369	29-Oct-11	15	6	\$14.66	Yes	\$39.60	\$24.94
370	29-Oct-11	15	7	\$16.37	Yes	\$39.60	\$23.23
371	29-Oct-11	15	8	\$0.01	Yes	\$39.60	\$39.59
372	29-Oct-11	15	9	\$13.10	Yes	\$39.60	\$26.50
373	29-Oct-11	15	10	\$13.21	Yes	\$39.60	\$26.39
374	29-Oct-11	15	11	\$13.21	Yes	\$39.60	\$26.39
375	29-Oct-11	15	12	\$14.64	Yes	\$39.60	\$24.96
376	29-Oct-11	16	1	\$14.65	Yes	\$39.60	\$24.95
377	29-Oct-11	16	2	\$14.65	Yes	\$39.60	\$24.95
378	29-Oct-11	16	3	\$16.14	Yes	\$39.60	\$23.46
379	29-Oct-11	16	4	\$17.61	Yes	\$39.60	\$21.99
380	29-Oct-11	16	5	\$17.61	Yes	\$39.60	\$21.99
381	29-Oct-11	16	6	\$17.61	Yes	\$39.60	\$21.99
382	29-Oct-11	16	7	\$24.00	Yes	\$39.60	\$15.60
383	29-Oct-11	16	8	\$24.00	Yes	\$39.60	\$15.60
384	29-Oct-11	16	9	\$23.62	Yes	\$39.60	\$15.98
385	29-Oct-11	16	10	\$20.64	Yes	\$39.60	\$18.96
386	29-Oct-11	16	11	\$23.60	Yes	\$39.60	\$16.00
387	29-Oct-11	16	12	\$23.60	Yes	\$39.60	\$16.00
388	29-Oct-11	17	1	\$23.64	Yes	\$39.60	\$15.96
389	29-Oct-11	17	2	\$23.64	Yes	\$39.60	\$15.96
390	29-Oct-11	17	3	\$23.85	Yes	\$39.60	\$15.75
391	29-Oct-11	17	4	\$25.67	Yes	\$39.60	\$13.93
392	29-Oct-11	17	5	\$24.12	Yes	\$39.60	\$15.48
393	29-Oct-11	17	6	\$24.12	Yes	\$39.60	\$15.48
394	29-Oct-11	17	7	\$24.10	Yes	\$39.60	\$15.50
395	29-Oct-11	17	8	\$24.10	Yes	\$39.60	\$15.50
396	29-Oct-11	17	9	\$24.22	Yes	\$39.60	\$15.38
397	29-Oct-11	17	10	\$25.66	Yes	\$39.60	\$13.94
398	29-Oct-11	17	11	\$24.26	Yes	\$39.60	\$15.34
399	29-Oct-11	17	12	\$24.26	Yes	\$39.60	\$15.34
400	29-Oct-11	18	1	\$20.80	Yes	\$39.60	\$18.80
401	29-Oct-11	18	2	\$16.49	Yes	\$39.60	\$23.11
402	29-Oct-11	18	3	\$16.49	Yes	\$39.60	\$23.11
403	29-Oct-11	18	4	\$23.89	Yes	\$39.60	\$15.71

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
404	29-Oct-11	18	5	\$24.40	Yes	\$39.60	\$15.20
405	29-Oct-11	18	6	\$24.23	Yes	\$39.60	\$15.37
406	29-Oct-11	18	7	\$23.93	Yes	\$39.60	\$15.67
407	29-Oct-11	18	8	\$24.39	Yes	\$39.60	\$15.21
408	29-Oct-11	18	9	\$24.39	Yes	\$39.60	\$15.21
409	29-Oct-11	18	10	\$20.56	Yes	\$39.60	\$19.04
410	29-Oct-11	18	11	\$20.56	Yes	\$39.60	\$19.04
411	29-Oct-11	18	12	\$9.93	Yes	\$39.60	\$29.67
412	29-Oct-11	19	1	\$9.92	Yes	\$39.60	\$29.68
413	29-Oct-11	19	2	\$0.01	Yes	\$39.60	\$39.59
414	29-Oct-11	19	3	-\$29.12	Yes	\$39.60	\$68.72
415	29-Oct-11	19	4	\$0.01	Yes	\$39.60	\$39.59
416	29-Oct-11	19	5	\$22.58	Yes	\$39.60	\$17.02
417	29-Oct-11	19	6	\$26.84	Yes	\$39.60	\$12.76
418	29-Oct-11	19	7	\$27.89	Yes	\$39.60	\$11.71
419	29-Oct-11	19	8	\$24.55	Yes	\$39.60	\$15.05
420	29-Oct-11	19	9	\$27.04	Yes	\$39.60	\$12.56
421	29-Oct-11	19	10	\$24.76	Yes	\$39.60	\$14.84
422	29-Oct-11	19	11	\$24.76	Yes	\$39.60	\$14.84
423	29-Oct-11	19	12	\$24.76	Yes	\$39.60	\$14.84
424	29-Oct-11	20	1	\$951.37	Yes	\$39.60	-\$911.77
425	29-Oct-11	20	2	\$951.37	Yes	\$39.60	-\$911.77
426	29-Oct-11	20	3	\$30.91	Yes	\$39.60	\$8.69
427	29-Oct-11	20	4	\$31.75	Yes	\$39.60	\$7.85
428	29-Oct-11	20	5	\$31.75	Yes	\$39.60	\$7.85
429	29-Oct-11	20	6	\$31.75	Yes	\$39.60	\$7.85
430	29-Oct-11	20	7	\$31.79	Yes	\$39.60	\$7.81
431	29-Oct-11	20	8	\$30.13	Yes	\$39.60	\$9.47
432	29-Oct-11	20	9	\$30.57	Yes	\$39.60	\$9.03
433	29-Oct-11	20	10	\$30.95	Yes	\$39.60	\$8.65
434	29-Oct-11	20	11	\$30.17	Yes	\$39.60	\$9.43
435	29-Oct-11	20	12	\$24.55	Yes	\$39.60	\$15.05
436	29-Oct-11	21	1	\$45.22	Yes	\$39.60	-\$5.62
437	29-Oct-11	21	2	\$36.77	Yes	\$39.60	\$2.83
438	29-Oct-11	21	3	\$24.51	Yes	\$39.60	\$15.09
439	29-Oct-11	21	4	\$24.47	Yes	\$39.60	\$15.13
440	29-Oct-11	21	5	\$24.51	Yes	\$39.60	\$15.09
441	29-Oct-11	21	6	\$28.06	Yes	\$39.60	\$11.54
442	29-Oct-11	21	7	\$27.92	Yes	\$39.60	\$11.68
443	29-Oct-11	21	8	\$27.92	Yes	\$39.60	\$11.68
444	29-Oct-11	21	9	\$24.36	Yes	\$39.60	\$15.24
445	29-Oct-11	21	10	\$23.79	Yes	\$39.60	\$15.81
446	29-Oct-11	21	11	\$23.79	Yes	\$39.60	\$15.81
447	29-Oct-11	21	12	\$22.80	Yes	\$39.60	\$16.80
448	29-Oct-11	22	1	\$28.36	Yes	\$39.60	\$11.24

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
449	29-Oct-11	22	2	\$26.54	Yes	\$39.60	\$13.06
450	29-Oct-11	22	3	\$28.36	Yes	\$39.60	\$11.24
451	29-Oct-11	22	4	\$26.27	Yes	\$39.60	\$13.33
452	29-Oct-11	22	5	\$28.23	Yes	\$39.60	\$11.37
453	29-Oct-11	22	6	\$26.27	Yes	\$39.60	\$13.33
454	29-Oct-11	22	7	\$24.07	Yes	\$39.60	\$15.53
455	29-Oct-11	22	8	\$24.10	Yes	\$39.60	\$15.50
456	29-Oct-11	22	9	\$23.85	Yes	\$39.60	\$15.75
457	29-Oct-11	22	10	\$20.73	Yes	\$39.60	\$18.87
458	29-Oct-11	22	11	\$22.60	Yes	\$39.60	\$17.00
459	29-Oct-11	22	12	\$26.55	Yes	\$39.60	\$13.05
460	29-Oct-11	23	1	\$37.85	Yes	\$39.60	\$1.75
461	29-Oct-11	23	2	\$37.85	Yes	\$39.60	\$1.75
462	29-Oct-11	23	3	\$59.72	Yes	\$39.60	-\$20.12
463	29-Oct-11	23	4	\$39.55	Yes	\$39.60	\$0.05
464	29-Oct-11	23	5	\$40.42	Yes	\$39.60	-\$0.82
465	29-Oct-11	23	6	\$34.76	Yes	\$39.60	\$4.84
466	29-Oct-11	23	7	\$34.13	Yes	\$39.60	\$5.47
467	29-Oct-11	23	8	\$28.63	Yes	\$39.60	\$10.97
468	29-Oct-11	23	9	\$26.34	Yes	\$39.60	\$13.26
469	29-Oct-11	23	10	\$26.10	Yes	\$39.60	\$13.50
470	29-Oct-11	23	11	\$23.94	Yes	\$39.60	\$15.66
471	29-Oct-11	23	12	\$26.27	Yes	\$39.60	\$13.33
472	29-Oct-11	24	1	\$37.56	Yes	\$39.60	\$2.04
473	29-Oct-11	24	2	\$34.67	Yes	\$39.60	\$4.93
474	29-Oct-11	24	3	\$34.67	Yes	\$39.60	\$4.93
475	29-Oct-11	24	4	\$33.18	Yes	\$39.60	\$6.42
476	29-Oct-11	24	5	\$31.91	Yes	\$39.60	\$7.69
477	29-Oct-11	24	6	\$33.18	Yes	\$39.60	\$6.42
478	29-Oct-11	24	7	\$31.55	Yes	\$39.60	\$8.05
479	29-Oct-11	24	8	\$27.75	Yes	\$39.60	\$11.85
480	29-Oct-11	24	9	\$24.79	Yes	\$39.60	\$14.81
481	29-Oct-11	24	10	\$25.74	Yes	\$39.60	\$13.86
482	29-Oct-11	24	11	\$23.82	Yes	\$39.60	\$15.78
483	29-Oct-11	24	12	\$25.74	Yes	\$39.60	\$13.86
484	30-Oct-11	1	1	\$31.52	Yes	\$39.60	\$8.08
485	30-Oct-11	1	2	\$40.22	Yes	\$39.60	-\$0.62
486	30-Oct-11	1	3	\$34.32	Yes	\$39.60	\$5.28
487	30-Oct-11	1	4	\$61.02	Yes	\$39.60	-\$21.42
488	30-Oct-11	1	5	\$35.97	Yes	\$39.60	\$3.63
489	30-Oct-11	1	6	\$37.32	Yes	\$39.60	\$2.28
490	30-Oct-11	1	7	\$28.21	Yes	\$39.60	\$11.39
491	30-Oct-11	1	8	\$28.21	Yes	\$39.60	\$11.39
492	30-Oct-11	1	9	\$40.19	Yes	\$39.60	-\$0.59
493	30-Oct-11	1	10	\$36.03	Yes	\$39.60	\$3.57

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
494	30-Oct-11	1	11	\$35.28	Yes	\$39.60	\$4.32
495	30-Oct-11	1	12	\$32.25	Yes	\$39.60	\$7.35
496	30-Oct-11	2	1	\$38.97	Yes	\$39.60	\$0.63
497	30-Oct-11	2	2	\$32.19	Yes	\$39.60	\$7.41
498	30-Oct-11	2	3	\$32.19	Yes	\$39.60	\$7.41
499	30-Oct-11	2	4	\$32.05	Yes	\$39.60	\$7.55
500	30-Oct-11	2	5	\$35.53	Yes	\$39.60	\$4.07
501	30-Oct-11	2	6	\$38.13	Yes	\$39.60	\$1.47
502	30-Oct-11	2	7	\$35.81	Yes	\$39.60	\$3.79
503	30-Oct-11	2	8	\$32.08	Yes	\$39.60	\$7.52
504	30-Oct-11	2	9	\$32.08	Yes	\$39.60	\$7.52
505	30-Oct-11	2	10	\$31.96	Yes	\$39.60	\$7.64
506	30-Oct-11	2	11	\$31.57	Yes	\$39.60	\$8.03
507	30-Oct-11	2	12	\$33.29	Yes	\$39.60	\$6.31
508	30-Oct-11	3	1	\$37.03	Yes	\$39.60	\$2.57
509	30-Oct-11	3	2	\$36.56	Yes	\$39.60	\$3.04
510	30-Oct-11	3	3	\$35.05	Yes	\$39.60	\$4.55
511	30-Oct-11	3	4	\$35.00	Yes	\$39.60	\$4.60
512	30-Oct-11	3	5	\$33.82	Yes	\$39.60	\$5.78
513	30-Oct-11	3	6	\$32.07	Yes	\$39.60	\$7.53
514	30-Oct-11	3	7	\$32.02	Yes	\$39.60	\$7.58
515	30-Oct-11	3	8	\$35.01	Yes	\$39.60	\$4.59
516	30-Oct-11	3	9	\$33.81	Yes	\$39.60	\$5.79
517	30-Oct-11	3	10	\$31.92	Yes	\$39.60	\$7.68
518	30-Oct-11	3	11	\$32.85	Yes	\$39.60	\$6.75
519	30-Oct-11	3	12	\$31.92	Yes	\$39.60	\$7.68
520	30-Oct-11	4	1	\$27.87	Yes	\$39.60	\$11.73
521	30-Oct-11	4	2	\$27.87	Yes	\$39.60	\$11.73
522	30-Oct-11	4	3	\$26.65	Yes	\$39.60	\$12.95
523	30-Oct-11	4	4	\$25.94	Yes	\$39.60	\$13.66
524	30-Oct-11	4	5	\$25.94	Yes	\$39.60	\$13.66
525	30-Oct-11	4	6	\$25.92	Yes	\$39.60	\$13.68
526	30-Oct-11	4	7	\$24.86	Yes	\$39.60	\$14.74
527	30-Oct-11	4	8	\$24.66	Yes	\$39.60	\$14.94
528	30-Oct-11	4	9	\$24.66	Yes	\$39.60	\$14.94
529	30-Oct-11	4	10	\$24.84	Yes	\$39.60	\$14.76
530	30-Oct-11	4	11	\$25.94	Yes	\$39.60	\$13.66
531	30-Oct-11	4	12	\$27.19	Yes	\$39.60	\$12.41
532	30-Oct-11	5	1	\$26.89	Yes	\$39.60	\$12.71
533	30-Oct-11	5	2	\$26.00	Yes	\$39.60	\$13.60
534	30-Oct-11	5	3	\$24.66	Yes	\$39.60	\$14.94
535	30-Oct-11	5	4	\$24.70	Yes	\$39.60	\$14.90
536	30-Oct-11	5	5	\$24.70	Yes	\$39.60	\$14.90
537	30-Oct-11	5	6	\$24.70	Yes	\$39.60	\$14.90
538	30-Oct-11	5	7	\$25.74	Yes	\$39.60	\$13.86

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
539	30-Oct-11	5	8	\$25.91	Yes	\$39.60	\$13.69
540	30-Oct-11	5	9	\$25.74	Yes	\$39.60	\$13.86
541	30-Oct-11	5	10	\$22.81	Yes	\$39.60	\$16.79
542	30-Oct-11	5	11	\$24.68	Yes	\$39.60	\$14.92
543	30-Oct-11	5	12	\$24.68	Yes	\$39.60	\$14.92
544	30-Oct-11	6	1	\$24.71	Yes	\$39.60	\$14.89
545	30-Oct-11	6	2	\$22.66	Yes	\$39.60	\$16.94
546	30-Oct-11	6	3	\$0.01	Yes	\$39.60	\$39.59
547	30-Oct-11	6	4	-\$31.98	Yes	\$39.60	\$71.58
548	30-Oct-11	6	5	\$0.01	Yes	\$39.60	\$39.59
549	30-Oct-11	6	6	\$21.67	Yes	\$39.60	\$17.93
550	30-Oct-11	6	7	\$0.01	Yes	\$39.60	\$39.59
551	30-Oct-11	6	8	\$21.65	Yes	\$39.60	\$17.95
552	30-Oct-11	6	9	\$21.65	Yes	\$39.60	\$17.95
553	30-Oct-11	6	10	\$21.68	Yes	\$39.60	\$17.92
554	30-Oct-11	6	11	\$21.68	Yes	\$39.60	\$17.92
555	30-Oct-11	6	12	\$0.01	Yes	\$39.60	\$39.59
556	30-Oct-11	7	1	-\$30.39	Yes	\$39.60	\$69.99
557	30-Oct-11	7	2	\$0.01	Yes	\$39.60	\$39.59
558	30-Oct-11	7	3	\$0.01	Yes	\$39.60	\$39.59
559	30-Oct-11	7	4	\$0.01	Yes	\$39.60	\$39.59
560	30-Oct-11	7	5	\$22.77	Yes	\$39.60	\$16.83
561	30-Oct-11	7	6	\$22.77	Yes	\$39.60	\$16.83
562	30-Oct-11	7	7	\$22.84	Yes	\$39.60	\$16.76
563	30-Oct-11	7	8	\$22.84	Yes	\$39.60	\$16.76
564	30-Oct-11	7	9	\$22.84	Yes	\$39.60	\$16.76
565	30-Oct-11	7	10	\$0.01	Yes	\$39.60	\$39.59
566	30-Oct-11	7	11	\$22.66	Yes	\$39.60	\$16.94
567	30-Oct-11	7	12	\$22.66	Yes	\$39.60	\$16.94
568	30-Oct-11	8	1	\$0.01	Yes	\$39.60	\$39.59
569	30-Oct-11	8	2	\$0.01	Yes	\$39.60	\$39.59
570	30-Oct-11	8	3	\$24.45	Yes	\$39.60	\$15.15
571	30-Oct-11	8	4	\$15.06	Yes	\$39.60	\$24.54
572	30-Oct-11	8	5	\$15.06	Yes	\$39.60	\$24.54
573	30-Oct-11	8	6	\$22.51	Yes	\$39.60	\$17.09
574	30-Oct-11	8	7	\$22.72	Yes	\$39.60	\$16.88
575	30-Oct-11	8	8	\$22.72	Yes	\$39.60	\$16.88
576	30-Oct-11	8	9	\$23.96	Yes	\$39.60	\$15.64
577	30-Oct-11	8	10	\$24.47	Yes	\$39.60	\$15.13
578	30-Oct-11	8	11	\$23.44	Yes	\$39.60	\$16.16
579	30-Oct-11	8	12	\$26.71	Yes	\$39.60	\$12.89
580	30-Oct-11	9	1	\$0.01	Yes	\$39.60	\$39.59
581	30-Oct-11	9	2	\$20.78	Yes	\$39.60	\$18.82
582	30-Oct-11	9	3	\$25.04	Yes	\$39.60	\$14.56
583	30-Oct-11	9	4	\$13.27	Yes	\$39.60	\$26.33

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
584	30-Oct-11	9	5	\$20.97	Yes	\$39.60	\$18.63
585	30-Oct-11	9	6	\$24.24	Yes	\$39.60	\$15.36
586	30-Oct-11	9	7	\$23.92	Yes	\$39.60	\$15.68
587	30-Oct-11	9	8	\$24.78	Yes	\$39.60	\$14.82
588	30-Oct-11	9	9	\$24.78	Yes	\$39.60	\$14.82
589	30-Oct-11	9	10	\$24.89	Yes	\$39.60	\$14.71
590	30-Oct-11	9	11	\$26.07	Yes	\$39.60	\$13.53
591	30-Oct-11	9	12	\$31.94	Yes	\$39.60	\$7.66
592	30-Oct-11	10	1	\$13.33	Yes	\$39.60	\$26.27
593	30-Oct-11	10	2	\$22.54	Yes	\$39.60	\$17.06
594	30-Oct-11	10	3	\$24.50	Yes	\$39.60	\$15.10
595	30-Oct-11	10	4	\$16.82	Yes	\$39.60	\$22.78
596	30-Oct-11	10	5	\$22.45	Yes	\$39.60	\$17.15
597	30-Oct-11	10	6	\$21.16	Yes	\$39.60	\$18.44
598	30-Oct-11	10	7	\$24.13	Yes	\$39.60	\$15.47
599	30-Oct-11	10	8	\$24.64	Yes	\$39.60	\$14.96
600	30-Oct-11	10	9	\$24.90	Yes	\$39.60	\$14.70
601	30-Oct-11	10	10	\$24.73	Yes	\$39.60	\$14.87
602	30-Oct-11	10	11	\$25.07	Yes	\$39.60	\$14.53
603	30-Oct-11	10	12	\$26.46	Yes	\$39.60	\$13.14
604	30-Oct-11	11	1	\$22.83	Yes	\$39.60	\$16.77
605	30-Oct-11	11	2	\$24.55	Yes	\$39.60	\$15.05
606	30-Oct-11	11	3	\$22.83	Yes	\$39.60	\$16.77
607	30-Oct-11	11	4	\$25.01	Yes	\$39.60	\$14.59
608	30-Oct-11	11	5	\$25.01	Yes	\$39.60	\$14.59
609	30-Oct-11	11	6	\$24.93	Yes	\$39.60	\$14.67
610	30-Oct-11	11	7	\$25.07	Yes	\$39.60	\$14.53
611	30-Oct-11	11	8	\$26.67	Yes	\$39.60	\$12.93
612	30-Oct-11	11	9	\$26.67	Yes	\$39.60	\$12.93
613	30-Oct-11	11	10	\$27.03	Yes	\$39.60	\$12.57
614	30-Oct-11	11	11	\$28.12	Yes	\$39.60	\$11.48
615	30-Oct-11	11	12	\$31.49	Yes	\$39.60	\$8.11
616	30-Oct-11	12	1	\$15.39	Yes	\$39.60	\$24.21
617	30-Oct-11	12	2	\$22.48	Yes	\$39.60	\$17.12
618	30-Oct-11	12	3	\$24.47	Yes	\$39.60	\$15.13
619	30-Oct-11	12	4	\$24.63	Yes	\$39.60	\$14.97
620	30-Oct-11	12	5	\$24.63	Yes	\$39.60	\$14.97
621	30-Oct-11	12	6	\$25.04	Yes	\$39.60	\$14.56
622	30-Oct-11	12	7	\$24.93	Yes	\$39.60	\$14.67
623	30-Oct-11	12	8	\$25.03	Yes	\$39.60	\$14.57
624	30-Oct-11	12	9	\$25.03	Yes	\$39.60	\$14.57
625	30-Oct-11	12	10	\$26.42	Yes	\$39.60	\$13.18
626	30-Oct-11	12	11	\$26.63	Yes	\$39.60	\$12.97
627	30-Oct-11	12	12	\$26.63	Yes	\$39.60	\$12.97
628	30-Oct-11	13	1	\$24.82	Yes	\$39.60	\$14.78

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
629	30-Oct-11	13	2	\$24.82	Yes	\$39.60	\$14.78
630	30-Oct-11	13	3	\$26.41	Yes	\$39.60	\$13.19
631	30-Oct-11	13	4	\$26.51	Yes	\$39.60	\$13.09
632	30-Oct-11	13	5	\$26.91	Yes	\$39.60	\$12.69
633	30-Oct-11	13	6	\$27.58	Yes	\$39.60	\$12.02
634	30-Oct-11	13	7	\$26.47	Yes	\$39.60	\$13.13
635	30-Oct-11	13	8	\$27.53	Yes	\$39.60	\$12.07
636	30-Oct-11	13	9	\$27.53	Yes	\$39.60	\$12.07
637	30-Oct-11	13	10	\$28.58	Yes	\$39.60	\$11.02
638	30-Oct-11	13	11	\$27.51	Yes	\$39.60	\$12.09
639	30-Oct-11	13	12	\$26.45	Yes	\$39.60	\$13.15
640	30-Oct-11	14	1	\$24.92	Yes	\$39.60	\$14.68
641	30-Oct-11	14	2	\$22.14	Yes	\$39.60	\$17.46
642	30-Oct-11	14	3	\$22.14	Yes	\$39.60	\$17.46
643	30-Oct-11	14	4	\$24.38	Yes	\$39.60	\$15.22
644	30-Oct-11	14	5	\$24.38	Yes	\$39.60	\$15.22
645	30-Oct-11	14	6	\$24.38	Yes	\$39.60	\$15.22
646	30-Oct-11	14	7	\$24.37	Yes	\$39.60	\$15.23
647	30-Oct-11	14	8	\$24.91	Yes	\$39.60	\$14.69
648	30-Oct-11	14	9	\$24.54	Yes	\$39.60	\$15.06
649	30-Oct-11	14	10	\$24.39	Yes	\$39.60	\$15.21
650	30-Oct-11	14	11	\$24.58	Yes	\$39.60	\$15.02
651	30-Oct-11	14	12	\$24.90	Yes	\$39.60	\$14.70
652	30-Oct-11	15	1	\$21.51	Yes	\$39.60	\$18.09
653	30-Oct-11	15	2	\$22.08	Yes	\$39.60	\$17.52
654	30-Oct-11	15	3	\$24.19	Yes	\$39.60	\$15.41
655	30-Oct-11	15	4	\$24.54	Yes	\$39.60	\$15.06
656	30-Oct-11	15	5	\$24.54	Yes	\$39.60	\$15.06
657	30-Oct-11	15	6	\$24.54	Yes	\$39.60	\$15.06
658	30-Oct-11	15	7	\$26.64	Yes	\$39.60	\$12.96
659	30-Oct-11	15	8	\$24.91	Yes	\$39.60	\$14.69
660	30-Oct-11	15	9	\$24.91	Yes	\$39.60	\$14.69
661	30-Oct-11	15	10	\$24.91	Yes	\$39.60	\$14.69
662	30-Oct-11	15	11	\$24.91	Yes	\$39.60	\$14.69
663	30-Oct-11	15	12	\$24.46	Yes	\$39.60	\$15.14
664	30-Oct-11	16	1	\$21.68	Yes	\$39.60	\$17.92
665	30-Oct-11	16	2	\$21.62	Yes	\$39.60	\$17.98
666	30-Oct-11	16	3	\$24.25	Yes	\$39.60	\$15.35
667	30-Oct-11	16	4	\$24.29	Yes	\$39.60	\$15.31
668	30-Oct-11	16	5	\$24.29	Yes	\$39.60	\$15.31
669	30-Oct-11	16	6	\$24.91	Yes	\$39.60	\$14.69
670	30-Oct-11	16	7	\$24.56	Yes	\$39.60	\$15.04
671	30-Oct-11	16	8	\$24.56	Yes	\$39.60	\$15.04
672	30-Oct-11	16	9	\$24.56	Yes	\$39.60	\$15.04
673	30-Oct-11	16	10	\$24.99	Yes	\$39.60	\$14.61

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
674	30-Oct-11	16	11	\$24.99	Yes	\$39.60	\$14.61
675	30-Oct-11	16	12	\$24.49	Yes	\$39.60	\$15.11
676	30-Oct-11	17	1	\$21.86	Yes	\$39.60	\$17.74
677	30-Oct-11	17	2	\$26.30	Yes	\$39.60	\$13.30
678	30-Oct-11	17	3	\$27.36	Yes	\$39.60	\$12.24
679	30-Oct-11	17	4	\$31.76	Yes	\$39.60	\$7.84
680	30-Oct-11	17	5	\$31.76	Yes	\$39.60	\$7.84
681	30-Oct-11	17	6	\$31.76	Yes	\$39.60	\$7.84
682	30-Oct-11	17	7	\$27.78	Yes	\$39.60	\$11.82
683	30-Oct-11	17	8	\$26.70	Yes	\$39.60	\$12.90
684	30-Oct-11	17	9	\$26.70	Yes	\$39.60	\$12.90
685	30-Oct-11	17	10	\$28.09	Yes	\$39.60	\$11.51
686	30-Oct-11	17	11	\$29.18	Yes	\$39.60	\$10.42
687	30-Oct-11	17	12	\$29.93	Yes	\$39.60	\$9.67
688	30-Oct-11	18	1	\$27.96	Yes	\$39.60	\$11.64
689	30-Oct-11	18	2	\$26.40	Yes	\$39.60	\$13.20
690	30-Oct-11	18	3	\$26.40	Yes	\$39.60	\$13.20
691	30-Oct-11	18	4	\$26.65	Yes	\$39.60	\$12.95
692	30-Oct-11	18	5	\$27.05	Yes	\$39.60	\$12.55
693	30-Oct-11	18	6	\$28.79	Yes	\$39.60	\$10.81
694	30-Oct-11	18	7	\$32.01	Yes	\$39.60	\$7.59
695	30-Oct-11	18	7	\$32.01	Yes	\$39.60	\$7.59
696	30-Oct-11	18	8	\$32.65	Yes	\$39.60	\$6.95
697	30-Oct-11	18	8	\$32.65	Yes	\$39.60	\$6.95
698	30-Oct-11	18	9	\$32.64	Yes	\$39.60	\$6.96
699	30-Oct-11	18	9	\$32.64	Yes	\$39.60	\$6.96
700	30-Oct-11	18	9	\$32.64	Yes	\$39.60	\$6.96
701	30-Oct-11	18	10	\$34.41	Yes	\$39.60	\$5.19
702	30-Oct-11	18	10	\$34.41	Yes	\$39.60	\$5.19
703	30-Oct-11	18	10	\$34.41	Yes	\$39.60	\$5.19
704	30-Oct-11	18	11	\$31.67	Yes	\$39.60	\$7.93
705	30-Oct-11	18	11	\$31.67	Yes	\$39.60	\$7.93
706	30-Oct-11	18	11	\$31.67	Yes	\$39.60	\$7.93
707	30-Oct-11	18	12	\$24.69	Yes	\$39.60	\$14.91
708	30-Oct-11	18	12	\$24.69	Yes	\$39.60	\$14.91
709	30-Oct-11	18	12	\$24.69	Yes	\$39.60	\$14.91
710	30-Oct-11	19	1	\$26.52	Yes	\$39.60	\$13.08
711	30-Oct-11	19	2	\$21.58	Yes	\$39.60	\$18.02
712	30-Oct-11	19	3	-\$100.44	Yes	\$39.60	\$140.04
713	30-Oct-11	19	4	-\$99.84	Yes	\$39.60	\$139.44
714	30-Oct-11	19	5	-\$413.41	Yes	\$39.60	\$453.01
715	30-Oct-11	19	6	-\$299.18	Yes	\$39.60	\$338.78
716	30-Oct-11	19	7	-\$300.28	Yes	\$39.60	\$339.88
717	30-Oct-11	19	8	-\$139.39	Yes	\$39.60	\$178.99
718	30-Oct-11	19	9	-\$240.58	Yes	\$39.60	\$280.18

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
719	30-Oct-11	19	10	-\$242.22	Yes	\$39.60	\$281.82
720	30-Oct-11	19	11	-\$143.98	Yes	\$39.60	\$183.58
721	30-Oct-11	19	12	-\$99.65	Yes	\$39.60	\$139.25
722	30-Oct-11	20	1	-\$272.26	Yes	\$39.60	\$311.86
723	30-Oct-11	20	2	-\$335.98	Yes	\$39.60	\$375.58
724	30-Oct-11	20	3	-\$105.14	Yes	\$39.60	\$144.74
725	30-Oct-11	20	4	-\$419.93	Yes	\$39.60	\$459.53
726	30-Oct-11	20	5	-\$419.93	Yes	\$39.60	\$459.53
727	30-Oct-11	20	6	-\$379.19	Yes	\$39.60	\$418.79
728	30-Oct-11	20	7	-\$28.40	Yes	\$39.60	\$68.00
729	30-Oct-11	20	8	-\$0.78	Yes	\$39.60	\$40.38
730	30-Oct-11	20	9	-\$22.71	Yes	\$39.60	\$62.31
731	30-Oct-11	20	10	-\$592.86	Yes	\$39.60	\$632.46
732	30-Oct-11	20	11	-\$27.64	Yes	\$39.60	\$67.24
733	30-Oct-11	20	12	-\$21.10	Yes	\$39.60	\$60.70
734	30-Oct-11	21	1	\$995.30	Yes	\$39.60	-\$955.70
735	30-Oct-11	21	2	\$995.30	Yes	\$39.60	-\$955.70
736	30-Oct-11	21	3	\$28.50	Yes	\$39.60	\$11.10
737	30-Oct-11	21	4	\$28.59	Yes	\$39.60	\$11.01
738	30-Oct-11	21	5	\$28.59	Yes	\$39.60	\$11.01
739	30-Oct-11	21	6	\$28.59	Yes	\$39.60	\$11.01
740	30-Oct-11	21	7	\$28.55	Yes	\$39.60	\$11.05
741	30-Oct-11	21	8	\$28.66	Yes	\$39.60	\$10.94
742	30-Oct-11	21	9	\$28.55	Yes	\$39.60	\$11.05
743	30-Oct-11	21	10	\$20.26	Yes	\$39.60	\$19.34
744	30-Oct-11	21	11	-\$0.18	Yes	\$39.60	\$39.78
745	30-Oct-11	21	12	-\$21.51	Yes	\$39.60	\$61.11
746	30-Oct-11	22	1	\$36.23	Yes	\$39.60	\$3.37
747	30-Oct-11	22	2	\$32.51	Yes	\$39.60	\$7.09
748	30-Oct-11	22	3	\$25.00	Yes	\$39.60	\$14.60
749	30-Oct-11	22	4	\$24.89	Yes	\$39.60	\$14.71
750	30-Oct-11	22	5	\$25.25	Yes	\$39.60	\$14.35
751	30-Oct-11	22	6	\$27.39	Yes	\$39.60	\$12.21
752	30-Oct-11	22	7	\$28.42	Yes	\$39.60	\$11.18
753	30-Oct-11	22	8	\$28.42	Yes	\$39.60	\$11.18
754	30-Oct-11	22	9	\$27.51	Yes	\$39.60	\$12.09
755	30-Oct-11	22	10	\$26.26	Yes	\$39.60	\$13.34
756	30-Oct-11	22	11	\$25.10	Yes	\$39.60	\$14.50
757	30-Oct-11	22	12	\$24.40	Yes	\$39.60	\$15.20
758	30-Oct-11	23	1	\$38.63	Yes	\$39.60	\$0.97
759	30-Oct-11	23	2	\$33.38	Yes	\$39.60	\$6.22
760	30-Oct-11	23	3	\$32.62	Yes	\$39.60	\$6.98
761	30-Oct-11	23	4	\$32.50	Yes	\$39.60	\$7.10
762	30-Oct-11	23	5	\$30.04	Yes	\$39.60	\$9.56
763	30-Oct-11	23	6	\$28.65	Yes	\$39.60	\$10.95

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
764	30-Oct-11	23	7	\$26.61	Yes	\$39.60	\$12.99
765	30-Oct-11	23	8	\$24.99	Yes	\$39.60	\$14.61
766	30-Oct-11	23	9	\$24.49	Yes	\$39.60	\$15.11
767	30-Oct-11	23	10	\$24.65	Yes	\$39.60	\$14.95
768	30-Oct-11	23	11	\$24.31	Yes	\$39.60	\$15.29
769	30-Oct-11	23	12	\$21.43	Yes	\$39.60	\$18.17
770	30-Oct-11	24	1	\$24.30	Yes	\$39.60	\$15.30
771	30-Oct-11	24	2	\$24.31	Yes	\$39.60	\$15.29
772	30-Oct-11	24	3	\$25.87	Yes	\$39.60	\$13.73
773	30-Oct-11	24	4	\$24.85	Yes	\$39.60	\$14.75
774	30-Oct-11	24	5	\$24.51	Yes	\$39.60	\$15.09
775	30-Oct-11	24	6	\$20.41	Yes	\$39.60	\$19.19
776	30-Oct-11	24	7	\$14.99	Yes	\$39.60	\$24.61
777	30-Oct-11	24	8	\$16.58	Yes	\$39.60	\$23.02
778	30-Oct-11	24	9	\$0.01	Yes	\$39.60	\$39.59
779	30-Oct-11	24	10	-\$29.67	Yes	\$39.60	\$69.27
780	30-Oct-11	24	11	-\$29.87	Yes	\$39.60	\$69.47
781	30-Oct-11	24	12	\$15.16	Yes	\$39.60	\$24.44
782	31-Oct-11	1	1	\$23.30	Yes	\$39.60	\$16.30
783	31-Oct-11	1	2	\$19.81	Yes	\$39.60	\$19.79
784	31-Oct-11	1	3	\$13.23	Yes	\$39.60	\$26.37
785	31-Oct-11	1	4	-\$28.78	Yes	\$39.60	\$68.38
786	31-Oct-11	1	5	-\$28.60	Yes	\$39.60	\$68.20
787	31-Oct-11	1	6	-\$30.29	Yes	\$39.60	\$69.89
788	31-Oct-11	1	7	-\$28.79	Yes	\$39.60	\$68.39
789	31-Oct-11	1	8	-\$28.79	Yes	\$39.60	\$68.39
790	31-Oct-11	1	9	\$0.01	Yes	\$39.60	\$39.59
791	31-Oct-11	1	10	-\$28.44	Yes	\$39.60	\$68.04
792	31-Oct-11	1	11	-\$28.65	Yes	\$39.60	\$68.25
793	31-Oct-11	1	12	-\$28.59	Yes	\$39.60	\$68.19
794	31-Oct-11	2	1	-\$28.57	Yes	\$39.60	\$68.17
795	31-Oct-11	2	2	-\$28.53	Yes	\$39.60	\$68.13
796	31-Oct-11	2	3	-\$28.78	Yes	\$39.60	\$68.38
797	31-Oct-11	2	4	-\$28.89	Yes	\$39.60	\$68.49
798	31-Oct-11	2	5	-\$29.09	Yes	\$39.60	\$68.69
799	31-Oct-11	2	6	-\$29.48	Yes	\$39.60	\$69.08
800	31-Oct-11	2	7	-\$30.26	Yes	\$39.60	\$69.86
801	31-Oct-11	2	8	-\$30.23	Yes	\$39.60	\$69.83
802	31-Oct-11	2	9	\$0.01	Yes	\$39.60	\$39.59
803	31-Oct-11	2	10	\$0.01	Yes	\$39.60	\$39.59
804	31-Oct-11	2	11	\$19.49	Yes	\$39.60	\$20.11
805	31-Oct-11	2	12	\$19.49	Yes	\$39.60	\$20.11
806	31-Oct-11	3	1	\$20.78	Yes	\$39.60	\$18.82
807	31-Oct-11	3	2	\$17.82	Yes	\$39.60	\$21.78
808	31-Oct-11	3	3	-\$28.91	Yes	\$39.60	\$68.51

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
809	31-Oct-11	3	4	-\$28.91	Yes	\$39.60	\$68.51
810	31-Oct-11	3	5	-\$29.07	Yes	\$39.60	\$68.67
811	31-Oct-11	3	6	-\$28.97	Yes	\$39.60	\$68.57
812	31-Oct-11	3	7	-\$28.87	Yes	\$39.60	\$68.47
813	31-Oct-11	3	8	-\$29.67	Yes	\$39.60	\$69.27
814	31-Oct-11	3	9	-\$28.78	Yes	\$39.60	\$68.38
815	31-Oct-11	3	10	-\$28.95	Yes	\$39.60	\$68.55
816	31-Oct-11	3	11	-\$29.07	Yes	\$39.60	\$68.67
817	31-Oct-11	3	12	-\$28.85	Yes	\$39.60	\$68.45
818	31-Oct-11	4	1	\$19.02	Yes	\$39.60	\$20.58
819	31-Oct-11	4	2	\$21.46	Yes	\$39.60	\$18.14
820	31-Oct-11	4	3	-\$28.97	Yes	\$39.60	\$68.57
821	31-Oct-11	4	4	-\$28.72	Yes	\$39.60	\$68.32
822	31-Oct-11	4	5	-\$28.72	Yes	\$39.60	\$68.32
823	31-Oct-11	4	6	-\$28.72	Yes	\$39.60	\$68.32
824	31-Oct-11	4	7	-\$28.74	Yes	\$39.60	\$68.34
825	31-Oct-11	4	8	-\$28.51	Yes	\$39.60	\$68.11
826	31-Oct-11	4	9	-\$28.46	Yes	\$39.60	\$68.06
827	31-Oct-11	4	10	\$19.03	Yes	\$39.60	\$20.57
828	31-Oct-11	4	11	\$19.03	Yes	\$39.60	\$20.57
829	31-Oct-11	4	12	\$11.33	Yes	\$39.60	\$28.27
830	31-Oct-11	5	1	\$20.72	Yes	\$39.60	\$18.88
831	31-Oct-11	5	2	\$22.27	Yes	\$39.60	\$17.33
832	31-Oct-11	5	3	\$0.01	Yes	\$39.60	\$39.59
833	31-Oct-11	5	4	\$13.31	Yes	\$39.60	\$26.29
834	31-Oct-11	5	5	\$19.65	Yes	\$39.60	\$19.95
835	31-Oct-11	5	6	\$19.65	Yes	\$39.60	\$19.95
836	31-Oct-11	5	7	-\$30.44	Yes	\$39.60	\$70.04
837	31-Oct-11	5	8	-\$30.36	Yes	\$39.60	\$69.96
838	31-Oct-11	5	9	-\$28.92	Yes	\$39.60	\$68.52
839	31-Oct-11	5	10	\$0.01	Yes	\$39.60	\$39.59
840	31-Oct-11	5	11	-\$28.89	Yes	\$39.60	\$68.49
841	31-Oct-11	5	12	-\$29.05	Yes	\$39.60	\$68.65
842	31-Oct-11	6	1	-\$28.84	Yes	\$39.60	\$68.44
843	31-Oct-11	6	2	-\$28.84	Yes	\$39.60	\$68.44
844	31-Oct-11	6	3	-\$28.96	Yes	\$39.60	\$68.56
845	31-Oct-11	6	4	-\$28.93	Yes	\$39.60	\$68.53
846	31-Oct-11	6	5	-\$28.84	Yes	\$39.60	\$68.44
847	31-Oct-11	6	6	-\$28.89	Yes	\$39.60	\$68.49
848	31-Oct-11	6	7	-\$28.88	Yes	\$39.60	\$68.48
849	31-Oct-11	6	8	-\$28.95	Yes	\$39.60	\$68.55
850	31-Oct-11	6	9	-\$28.87	Yes	\$39.60	\$68.47
851	31-Oct-11	6	10	-\$28.88	Yes	\$39.60	\$68.48
852	31-Oct-11	6	11	-\$28.91	Yes	\$39.60	\$68.51
853	31-Oct-11	6	12	-\$28.86	Yes	\$39.60	\$68.46

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
854	31-Oct-11	7	1	-\$28.83	Yes	\$39.60	\$68.43
855	31-Oct-11	7	2	-\$28.86	Yes	\$39.60	\$68.46
856	31-Oct-11	7	3	-\$28.92	Yes	\$39.60	\$68.52
857	31-Oct-11	7	4	-\$28.79	Yes	\$39.60	\$68.39
858	31-Oct-11	7	5	-\$30.08	Yes	\$39.60	\$69.68
859	31-Oct-11	7	6	-\$28.77	Yes	\$39.60	\$68.37
860	31-Oct-11	7	7	-\$30.07	Yes	\$39.60	\$69.67
861	31-Oct-11	7	8	-\$28.59	Yes	\$39.60	\$68.19
862	31-Oct-11	7	9	\$0.01	Yes	\$39.60	\$39.59
863	31-Oct-11	7	10	\$26.67	Yes	\$39.60	\$12.93
864	31-Oct-11	7	11	\$21.44	Yes	\$39.60	\$18.16
865	31-Oct-11	7	12	\$35.71	Yes	\$39.60	\$3.89
866	31-Oct-11	8	1	\$24.04	Yes	\$39.60	\$15.56
867	31-Oct-11	8	2	\$32.35	Yes	\$39.60	\$7.25
868	31-Oct-11	8	3	\$32.31	Yes	\$39.60	\$7.29
869	31-Oct-11	8	4	-\$31.84	Yes	\$39.60	\$71.44
870	31-Oct-11	8	5	-\$116.15	Yes	\$39.60	\$155.75
871	31-Oct-11	8	6	-\$191.50	Yes	\$39.60	\$231.10
872	31-Oct-11	8	7	-\$96.44	Yes	\$39.60	\$136.04
873	31-Oct-11	8	8	-\$246.21	Yes	\$39.60	\$285.81
874	31-Oct-11	8	9	-\$535.28	Yes	\$39.60	\$574.88
875	31-Oct-11	8	10	-\$25.03	Yes	\$39.60	\$64.63
876	31-Oct-11	8	11	-\$25.25	Yes	\$39.60	\$64.85
877	31-Oct-11	8	12	\$25.54	Yes	\$39.60	\$14.06
878	31-Oct-11	9	1	\$23.49	Yes	\$39.60	\$16.11
879	31-Oct-11	9	2	\$23.49	Yes	\$39.60	\$16.11
880	31-Oct-11	9	3	\$24.14	Yes	\$39.60	\$15.46
881	31-Oct-11	9	4	\$25.13	Yes	\$39.60	\$14.47
882	31-Oct-11	9	5	\$26.06	Yes	\$39.60	\$13.54
883	31-Oct-11	9	6	\$36.69	Yes	\$39.60	\$2.91
884	31-Oct-11	9	7	\$30.04	Yes	\$39.60	\$9.56
885	31-Oct-11	9	8	\$30.04	Yes	\$39.60	\$9.56
886	31-Oct-11	9	9	\$30.04	Yes	\$39.60	\$9.56
887	31-Oct-11	9	10	-\$33.39	Yes	\$39.60	\$72.99
888	31-Oct-11	9	11	-\$33.39	Yes	\$39.60	\$72.99
889	31-Oct-11	9	12	-\$39.21	Yes	\$39.60	\$78.81
890	31-Oct-11	10	1	-\$40.92	Yes	\$39.60	\$80.52
891	31-Oct-11	10	2	\$30.83	Yes	\$39.60	\$8.77
892	31-Oct-11	10	3	\$41.51	Yes	\$39.60	-\$1.91
893	31-Oct-11	10	4	\$914.08	Yes	\$39.60	-\$874.48
894	31-Oct-11	10	5	\$37.61	Yes	\$39.60	\$1.99
895	31-Oct-11	10	6	\$38.43	Yes	\$39.60	\$1.17
896	31-Oct-11	10	7	\$38.41	Yes	\$39.60	\$1.19
897	31-Oct-11	10	8	\$37.86	Yes	\$39.60	\$1.74
898	31-Oct-11	10	9	\$38.10	Yes	\$39.60	\$1.50

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
899	31-Oct-11	10	10	\$32.56	Yes	\$39.60	\$7.04
900	31-Oct-11	10	11	\$31.50	Yes	\$39.60	\$8.10
901	31-Oct-11	10	12	\$31.50	Yes	\$39.60	\$8.10
902	31-Oct-11	11	1	\$11.91	Yes	\$39.60	\$27.69
903	31-Oct-11	11	2	\$11.91	Yes	\$39.60	\$27.69
904	31-Oct-11	11	3	\$13.14	Yes	\$39.60	\$26.46
905	31-Oct-11	11	4	\$20.18	Yes	\$39.60	\$19.42
906	31-Oct-11	11	5	\$23.83	Yes	\$39.60	\$15.77
907	31-Oct-11	11	6	\$32.63	Yes	\$39.60	\$6.97
908	31-Oct-11	11	7	\$23.87	Yes	\$39.60	\$15.73
909	31-Oct-11	11	8	\$32.48	Yes	\$39.60	\$7.12
910	31-Oct-11	11	9	\$34.33	Yes	\$39.60	\$5.27
911	31-Oct-11	11	10	\$3.78	Yes	\$39.60	\$35.82
912	31-Oct-11	11	11	\$16.37	Yes	\$39.60	\$23.23
913	31-Oct-11	11	12	\$38.07	Yes	\$39.60	\$1.53
914	31-Oct-11	12	1	\$35.29	Yes	\$39.60	\$4.31
915	31-Oct-11	12	2	\$37.72	Yes	\$39.60	\$1.88
916	31-Oct-11	12	3	\$31.65	Yes	\$39.60	\$7.95
917	31-Oct-11	12	4	\$25.13	Yes	\$39.60	\$14.47
918	31-Oct-11	12	5	\$31.22	Yes	\$39.60	\$8.38
919	31-Oct-11	12	6	\$31.22	Yes	\$39.60	\$8.38
920	31-Oct-11	12	7	\$32.25	Yes	\$39.60	\$7.35
921	31-Oct-11	12	8	\$39.91	Yes	\$39.60	-\$0.31
922	31-Oct-11	12	9	\$39.81	Yes	\$39.60	-\$0.21
923	31-Oct-11	12	10	\$40.80	Yes	\$39.60	-\$1.20
924	31-Oct-11	12	11	\$39.91	Yes	\$39.60	-\$0.31
925	31-Oct-11	12	12	\$33.60	Yes	\$39.60	\$6.00
926	31-Oct-11	13	1	\$16.52	Yes	\$39.60	\$23.08
927	31-Oct-11	13	2	\$17.47	Yes	\$39.60	\$22.13
928	31-Oct-11	13	3	\$18.57	Yes	\$39.60	\$21.03
929	31-Oct-11	13	4	\$33.95	Yes	\$39.60	\$5.65
930	31-Oct-11	13	5	\$29.86	Yes	\$39.60	\$9.74
931	31-Oct-11	13	6	\$30.66	Yes	\$39.60	\$8.94
932	31-Oct-11	13	7	\$31.57	Yes	\$39.60	\$8.03
933	31-Oct-11	13	8	\$37.64	Yes	\$39.60	\$1.96
934	31-Oct-11	13	9	\$37.64	Yes	\$39.60	\$1.96
935	31-Oct-11	13	10	\$32.33	Yes	\$39.60	\$7.27
936	31-Oct-11	13	11	\$31.59	Yes	\$39.60	\$8.01
937	31-Oct-11	13	12	\$25.31	Yes	\$39.60	\$14.29
938	31-Oct-11	14	1	-\$30.95	Yes	\$39.60	\$70.55
939	31-Oct-11	14	2	-\$218.35	Yes	\$39.60	\$257.95
940	31-Oct-11	14	3	-\$218.35	Yes	\$39.60	\$257.95
941	31-Oct-11	14	4	-\$350.84	Yes	\$39.60	\$390.44
942	31-Oct-11	14	5	-\$350.84	Yes	\$39.60	\$390.44
943	31-Oct-11	14	6	-\$350.84	Yes	\$39.60	\$390.44

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
944	31-Oct-11	14	7	-\$350.84	Yes	\$39.60	\$390.44
945	31-Oct-11	14	8	-\$350.84	Yes	\$39.60	\$390.44
946	31-Oct-11	14	9	\$136.45	Yes	\$39.60	-\$96.85
947	31-Oct-11	14	10	\$480.82	Yes	\$39.60	-\$441.22
948	31-Oct-11	14	11	\$38.37	Yes	\$39.60	\$1.23
949	31-Oct-11	14	12	\$39.39	Yes	\$39.60	\$0.21
950	31-Oct-11	15	1	\$20.69	Yes	\$39.60	\$18.91
951	31-Oct-11	15	2	\$23.90	Yes	\$39.60	\$15.70
952	31-Oct-11	15	3	\$23.90	Yes	\$39.60	\$15.70
953	31-Oct-11	15	4	\$23.90	Yes	\$39.60	\$15.70
954	31-Oct-11	15	5	\$23.90	Yes	\$39.60	\$15.70
955	31-Oct-11	15	6	\$35.71	Yes	\$39.60	\$3.89
956	31-Oct-11	15	7	\$29.97	Yes	\$39.60	\$9.63
957	31-Oct-11	15	8	-\$165.42	Yes	\$39.60	\$205.02
958	31-Oct-11	15	9	-\$229.02	Yes	\$39.60	\$268.62
959	31-Oct-11	15	10	-\$125.54	Yes	\$39.60	\$165.14
960	31-Oct-11	15	11	-\$91.55	Yes	\$39.60	\$131.15
961	31-Oct-11	15	12	-\$94.89	Yes	\$39.60	\$134.49
962	31-Oct-11	16	1	-\$91.95	Yes	\$39.60	\$131.55
963	31-Oct-11	16	2	-\$93.21	Yes	\$39.60	\$132.81
964	31-Oct-11	16	3	-\$91.95	Yes	\$39.60	\$131.55
965	31-Oct-11	16	4	-\$94.96	Yes	\$39.60	\$134.56
966	31-Oct-11	16	5	-\$91.83	Yes	\$39.60	\$131.43
967	31-Oct-11	16	6	-\$91.83	Yes	\$39.60	\$131.43
968	31-Oct-11	16	7	-\$94.87	Yes	\$39.60	\$134.47
969	31-Oct-11	16	8	-\$94.87	Yes	\$39.60	\$134.47
970	31-Oct-11	16	9	-\$91.82	Yes	\$39.60	\$131.42
971	31-Oct-11	16	10	-\$91.78	Yes	\$39.60	\$131.38
972	31-Oct-11	16	11	-\$91.78	Yes	\$39.60	\$131.38
973	31-Oct-11	16	12	-\$294.81	Yes	\$39.60	\$334.41
974	31-Oct-11	17	1	-\$422.76	Yes	\$39.60	\$462.36
975	31-Oct-11	17	2	-\$30.22	Yes	\$39.60	\$69.82
976	31-Oct-11	17	3	-\$32.97	Yes	\$39.60	\$72.57
977	31-Oct-11	17	4	\$39.42	Yes	\$39.60	\$0.18
978	31-Oct-11	17	5	\$39.42	Yes	\$39.60	\$0.18
979	31-Oct-11	17	6	\$37.79	Yes	\$39.60	\$1.81
980	31-Oct-11	17	7	\$36.12	Yes	\$39.60	\$3.48
981	31-Oct-11	17	8	\$37.23	Yes	\$39.60	\$2.37
982	31-Oct-11	17	9	\$60.84	Yes	\$39.60	-\$21.24
983	31-Oct-11	17	10	-\$29.91	Yes	\$39.60	\$69.51
984	31-Oct-11	17	11	-\$29.51	Yes	\$39.60	\$69.11
985	31-Oct-11	17	12	\$32.09	Yes	\$39.60	\$7.51
986	31-Oct-11	18	1	\$32.59	Yes	\$39.60	\$7.01
987	31-Oct-11	18	2	\$32.59	Yes	\$39.60	\$7.01
988	31-Oct-11	18	3	\$32.59	Yes	\$39.60	\$7.01

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
989	31-Oct-11	18	4	-\$28.11	Yes	\$39.60	\$67.71
990	31-Oct-11	18	5	-\$26.08	Yes	\$39.60	\$65.68
991	31-Oct-11	18	6	\$7.35	Yes	\$39.60	\$32.25
992	31-Oct-11	18	7	\$8.22	Yes	\$39.60	\$31.38
993	31-Oct-11	18	8	\$6.89	Yes	\$39.60	\$32.71
994	31-Oct-11	18	9	\$7.51	Yes	\$39.60	\$32.09
995	31-Oct-11	18	10	\$29.39	Yes	\$39.60	\$10.21
996	31-Oct-11	18	11	\$25.03	Yes	\$39.60	\$14.57
997	31-Oct-11	18	12	\$15.42	Yes	\$39.60	\$24.18

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	12-Oct-11	12	1	\$34.25	Yes	\$79.98	\$45.73
2	12-Oct-11	12	2	\$33.42	Yes	\$79.98	\$46.56
3	12-Oct-11	12	3	\$34.36	Yes	\$79.98	\$45.62
4	12-Oct-11	12	4	\$28.10	Yes	\$79.98	\$51.88
5	12-Oct-11	12	5	\$30.39	Yes	\$79.98	\$49.59
6	12-Oct-11	12	6	\$30.44	Yes	\$79.98	\$49.54
7	12-Oct-11	12	7	\$30.67	Yes	\$79.98	\$49.31
8	12-Oct-11	12	8	\$30.51	Yes	\$79.98	\$49.47
9	12-Oct-11	12	9	\$30.52	Yes	\$79.98	\$49.46
10	12-Oct-11	12	10	\$31.07	Yes	\$79.98	\$48.91
11	12-Oct-11	12	11	\$30.68	Yes	\$79.98	\$49.30
12	12-Oct-11	12	12	\$30.51	Yes	\$83.89	\$53.38
13	12-Oct-11	12	12	\$30.51	Yes	\$79.98	\$49.47
14	12-Oct-11	13	1	\$31.82	Yes	\$40.74	\$8.92
15	12-Oct-11	13	2	\$40.00	Yes	\$40.74	\$0.74
16	12-Oct-11	13	3	\$36.47	Yes	\$40.74	\$4.27
17	12-Oct-11	13	4	\$32.34	Yes	\$40.74	\$8.40
18	12-Oct-11	13	5	\$34.76	Yes	\$40.74	\$5.98
19	12-Oct-11	13	6	\$37.59	Yes	\$40.74	\$3.15
20	12-Oct-11	13	7	\$39.79	Yes	\$40.74	\$0.95
21	12-Oct-11	13	8	\$40.52	Yes	\$40.74	\$0.22
22	12-Oct-11	13	9	\$40.56	Yes	\$40.74	\$0.18
23	12-Oct-11	13	10	\$41.75	Yes	\$40.74	-\$1.01
24	12-Oct-11	13	11	\$44.21	Yes	\$40.74	-\$3.47
25	12-Oct-11	13	12	\$50.01	Yes	\$40.74	-\$9.27
26	12-Oct-11	14	1	\$37.13	Yes	\$83.89	\$46.76
27	12-Oct-11	14	2	\$37.54	Yes	\$83.89	\$46.35
28	12-Oct-11	14	3	\$38.92	Yes	\$83.89	\$44.97
29	12-Oct-11	14	4	\$27.68	Yes	\$83.89	\$56.21
30	12-Oct-11	14	5	\$36.39	Yes	\$83.89	\$47.50
31	12-Oct-11	14	6	\$38.35	Yes	\$83.89	\$45.54
32	12-Oct-11	14	7	\$38.52	Yes	\$83.89	\$45.37
33	12-Oct-11	14	8	\$38.52	Yes	\$83.89	\$45.37
34	12-Oct-11	14	9	\$132.16	Yes	\$83.89	-\$48.27
35	12-Oct-11	14	10	\$94.28	Yes	\$83.89	-\$10.39
36	12-Oct-11	14	11	\$70.51	Yes	\$83.89	\$13.38
37	12-Oct-11	14	12	\$59.87	Yes	\$83.89	\$24.02
38	12-Oct-11	15	1	\$38.75	Yes	\$83.89	\$45.14
39	12-Oct-11	15	2	\$34.26	Yes	\$83.89	\$49.63
40	12-Oct-11	15	3	\$32.02	Yes	\$83.89	\$51.87
41	12-Oct-11	15	4	\$36.73	Yes	\$83.89	\$47.16

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
42	12-Oct-11	15	5	\$107.29	Yes	\$83.89	-\$23.40
43	12-Oct-11	15	6	\$107.29	Yes	\$83.89	-\$23.40
44	12-Oct-11	15	7	\$107.85	Yes	\$83.89	-\$23.96
45	12-Oct-11	15	8	\$120.69	Yes	\$83.89	-\$36.80
46	12-Oct-11	15	9	\$90.80	Yes	\$83.89	-\$6.91
47	12-Oct-11	15	10	\$38.07	Yes	\$83.89	\$45.82
48	12-Oct-11	15	11	\$129.92	Yes	\$83.89	-\$46.03
49	12-Oct-11	15	12	\$54.89	Yes	\$83.89	\$29.00
50	12-Oct-11	16	1	\$36.79	Yes	\$83.89	\$47.10
51	12-Oct-11	16	2	\$42.52	Yes	\$83.89	\$41.37
52	12-Oct-11	16	3	\$43.73	Yes	\$83.89	\$40.16
53	12-Oct-11	16	4	\$40.92	Yes	\$103.88	\$62.96
54	12-Oct-11	16	4	\$40.92	Yes	\$83.89	\$42.97
55	12-Oct-11	16	5	\$965.70	Yes	\$103.88	-\$861.82
56	12-Oct-11	16	5	\$965.70	Yes	\$83.89	-\$881.81
57	12-Oct-11	16	6	\$965.70	Yes	\$103.88	-\$861.82
58	12-Oct-11	16	6	\$965.70	Yes	\$83.89	-\$881.81
59	12-Oct-11	16	7	\$520.12	Yes	\$103.88	-\$416.24
60	12-Oct-11	16	7	\$520.12	Yes	\$83.89	-\$436.23
61	12-Oct-11	16	8	\$45.75	Yes	\$103.88	\$58.13
62	12-Oct-11	16	8	\$45.75	Yes	\$83.89	\$38.14
63	12-Oct-11	16	9	\$45.18	Yes	\$103.88	\$58.70
64	12-Oct-11	16	9	\$45.18	Yes	\$83.89	\$38.71
65	12-Oct-11	16	9	\$45.18	Yes	\$103.88	\$58.70
66	12-Oct-11	16	10	\$45.70	Yes	\$83.89	\$38.19
67	12-Oct-11	16	10	\$45.70	Yes	\$103.88	\$58.18
68	12-Oct-11	16	10	\$45.70	Yes	\$103.88	\$58.18
69	12-Oct-11	16	11	\$38.97	Yes	\$103.88	\$64.91
70	12-Oct-11	16	11	\$38.97	Yes	\$103.88	\$64.91
71	12-Oct-11	16	11	\$38.97	Yes	\$83.89	\$44.92
72	12-Oct-11	16	12	\$36.60	Yes	\$103.88	\$67.28
73	12-Oct-11	16	12	\$36.60	Yes	\$103.88	\$67.28
74	12-Oct-11	16	12	\$36.60	Yes	\$83.89	\$47.29
75	12-Oct-11	17	1	\$39.35	Yes	\$87.71	\$48.36
76	12-Oct-11	17	1	\$39.35	Yes	\$83.89	\$44.54
77	12-Oct-11	17	2	\$38.09	Yes	\$87.71	\$49.62
78	12-Oct-11	17	2	\$38.09	Yes	\$83.89	\$45.80
79	12-Oct-11	17	3	\$39.86	Yes	\$87.71	\$47.85
80	12-Oct-11	17	3	\$39.86	Yes	\$83.89	\$44.03
81	12-Oct-11	17	4	\$40.57	Yes	\$87.71	\$47.14
82	12-Oct-11	17	4	\$40.57	Yes	\$83.89	\$43.32
83	12-Oct-11	17	5	\$128.07	Yes	\$87.71	-\$40.36
84	12-Oct-11	17	5	\$128.07	Yes	\$83.89	-\$44.18
85	12-Oct-11	17	6	\$53.25	Yes	\$87.71	\$34.46
86	12-Oct-11	17	6	\$53.25	Yes	\$83.89	\$30.64

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
87	12-Oct-11	17	7	\$210.83	Yes	\$87.71	-\$123.12
88	12-Oct-11	17	7	\$210.83	Yes	\$83.89	-\$126.94
89	12-Oct-11	17	8	\$80.34	Yes	\$87.71	\$7.37
90	12-Oct-11	17	8	\$80.34	Yes	\$83.89	\$3.55
91	12-Oct-11	17	9	\$79.66	Yes	\$87.71	\$8.05
92	12-Oct-11	17	9	\$79.66	Yes	\$83.89	\$4.23
93	12-Oct-11	17	10	\$37.55	Yes	\$87.71	\$50.16
94	12-Oct-11	17	10	\$37.55	Yes	\$83.89	\$46.34
95	12-Oct-11	17	11	\$39.36	Yes	\$87.71	\$48.35
96	12-Oct-11	17	11	\$39.36	Yes	\$83.89	\$44.53
97	12-Oct-11	17	12	\$33.84	Yes	\$87.71	\$53.87
98	12-Oct-11	17	12	\$33.84	Yes	\$83.89	\$50.05
99	12-Oct-11	18	1	\$33.21	Yes	\$83.89	\$50.68
100	12-Oct-11	18	1	\$33.21	Yes	\$103.88	\$70.67
101	12-Oct-11	18	2	\$34.49	Yes	\$83.89	\$49.40
102	12-Oct-11	18	2	\$34.49	Yes	\$103.88	\$69.39
103	12-Oct-11	18	3	\$37.65	Yes	\$83.89	\$46.24
104	12-Oct-11	18	3	\$37.65	Yes	\$103.88	\$66.23
105	12-Oct-11	18	4	\$33.99	Yes	\$83.89	\$49.90
106	12-Oct-11	18	4	\$33.99	Yes	\$103.88	\$69.89
107	12-Oct-11	18	5	\$32.53	Yes	\$83.89	\$51.36
108	12-Oct-11	18	5	\$32.53	Yes	\$103.88	\$71.35
109	12-Oct-11	18	6	\$39.38	Yes	\$83.89	\$44.51
110	12-Oct-11	18	6	\$39.38	Yes	\$103.88	\$64.50
111	12-Oct-11	18	7	\$34.40	Yes	\$83.89	\$49.49
112	12-Oct-11	18	7	\$34.40	Yes	\$103.88	\$69.48
113	12-Oct-11	18	8	\$38.82	Yes	\$83.89	\$45.07
114	12-Oct-11	18	8	\$38.82	Yes	\$103.88	\$65.06
115	12-Oct-11	18	9	\$42.96	Yes	\$83.89	\$40.93
116	12-Oct-11	18	9	\$42.96	Yes	\$103.88	\$60.92
117	12-Oct-11	18	10	\$34.44	Yes	\$83.89	\$49.45
118	12-Oct-11	18	10	\$34.44	Yes	\$103.88	\$69.44
119	12-Oct-11	18	11	\$34.44	Yes	\$83.89	\$49.45
120	12-Oct-11	18	11	\$34.44	Yes	\$103.88	\$69.44
121	12-Oct-11	18	12	\$42.99	Yes	\$83.89	\$40.90
122	12-Oct-11	18	12	\$42.99	Yes	\$103.88	\$60.89
123	12-Oct-11	19	1	\$35.19	Yes	\$83.89	\$48.70
124	12-Oct-11	19	1	\$35.19	Yes	\$85.81	\$50.62
125	12-Oct-11	19	2	\$35.20	Yes	\$83.89	\$48.69
126	12-Oct-11	19	2	\$35.20	Yes	\$85.81	\$50.61
127	12-Oct-11	19	3	\$37.28	Yes	\$83.89	\$46.61
128	12-Oct-11	19	3	\$37.28	Yes	\$85.81	\$48.53
129	12-Oct-11	19	4	\$35.07	Yes	\$83.89	\$48.82
130	12-Oct-11	19	4	\$35.07	Yes	\$85.81	\$50.74
131	12-Oct-11	19	5	\$35.04	Yes	\$83.89	\$48.85

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
132	12-Oct-11	19	5	\$35.04	Yes	\$85.81	\$50.77
133	12-Oct-11	19	6	\$42.24	Yes	\$83.89	\$41.65
134	12-Oct-11	19	6	\$42.24	Yes	\$85.81	\$43.57
135	12-Oct-11	19	7	\$36.68	Yes	\$83.89	\$47.21
136	12-Oct-11	19	7	\$36.68	Yes	\$85.81	\$49.13
137	12-Oct-11	19	8	\$129.20	Yes	\$83.89	-\$45.31
138	12-Oct-11	19	8	\$129.20	Yes	\$85.81	-\$43.39
139	12-Oct-11	19	9	\$42.54	Yes	\$83.89	\$41.35
140	12-Oct-11	19	9	\$42.54	Yes	\$85.81	\$43.27
141	12-Oct-11	19	10	\$36.84	Yes	\$83.89	\$47.05
142	12-Oct-11	19	10	\$36.84	Yes	\$85.81	\$48.97
143	12-Oct-11	19	11	\$35.42	Yes	\$83.89	\$48.47
144	12-Oct-11	19	11	\$35.42	Yes	\$85.81	\$50.39
145	12-Oct-11	19	12	\$42.64	Yes	\$83.89	\$41.25
146	12-Oct-11	19	12	\$42.64	Yes	\$85.81	\$43.17
147	12-Oct-11	20	1	\$36.59	Yes	\$81.95	\$45.36
148	12-Oct-11	20	1	\$36.59	Yes	\$81.95	\$45.36
149	12-Oct-11	20	2	\$39.05	Yes	\$81.95	\$42.90
150	12-Oct-11	20	2	\$39.05	Yes	\$81.95	\$42.90
151	12-Oct-11	20	3	\$36.59	Yes	\$81.95	\$45.36
152	12-Oct-11	20	3	\$36.59	Yes	\$81.95	\$45.36
153	12-Oct-11	20	4	\$30.07	Yes	\$81.95	\$51.88
154	12-Oct-11	20	4	\$30.07	Yes	\$81.95	\$51.88
155	12-Oct-11	20	5	\$29.52	Yes	\$81.95	\$52.43
156	12-Oct-11	20	5	\$29.52	Yes	\$81.95	\$52.43
157	12-Oct-11	20	6	\$29.52	Yes	\$81.95	\$52.43
158	12-Oct-11	20	6	\$29.52	Yes	\$81.95	\$52.43
159	12-Oct-11	20	7	\$29.31	Yes	\$81.95	\$52.64
160	12-Oct-11	20	7	\$29.31	Yes	\$81.95	\$52.64
161	12-Oct-11	20	8	\$30.07	Yes	\$81.95	\$51.88
162	12-Oct-11	20	8	\$30.07	Yes	\$81.95	\$51.88
163	12-Oct-11	20	9	\$30.57	Yes	\$81.95	\$51.38
164	12-Oct-11	20	9	\$30.57	Yes	\$81.95	\$51.38
165	12-Oct-11	20	10	\$30.07	Yes	\$81.95	\$51.88
166	12-Oct-11	20	10	\$30.07	Yes	\$81.95	\$51.88
167	12-Oct-11	20	11	\$27.07	Yes	\$81.95	\$54.88
168	12-Oct-11	20	11	\$27.07	Yes	\$81.95	\$54.88
169	12-Oct-11	20	12	\$26.51	Yes	\$81.95	\$55.44
170	12-Oct-11	20	12	\$26.51	Yes	\$81.95	\$55.44
171	12-Oct-11	21	1	\$36.60	Yes	\$81.95	\$45.35
172	12-Oct-11	21	1	\$36.60	Yes	\$81.95	\$45.35
173	12-Oct-11	21	2	\$37.79	Yes	\$81.95	\$44.16
174	12-Oct-11	21	2	\$37.79	Yes	\$81.95	\$44.16
175	12-Oct-11	21	3	\$31.48	Yes	\$81.95	\$50.47
176	12-Oct-11	21	3	\$31.48	Yes	\$81.95	\$50.47

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
177	12-Oct-11	21	4	\$31.09	Yes	\$81.95	\$50.86
178	12-Oct-11	21	4	\$31.09	Yes	\$81.95	\$50.86
179	12-Oct-11	21	5	\$31.25	Yes	\$81.95	\$50.70
180	12-Oct-11	21	5	\$31.25	Yes	\$81.95	\$50.70
181	12-Oct-11	21	6	\$31.06	Yes	\$81.95	\$50.89
182	12-Oct-11	21	6	\$31.06	Yes	\$81.95	\$50.89
183	12-Oct-11	21	7	\$30.07	Yes	\$81.95	\$51.88
184	12-Oct-11	21	7	\$30.07	Yes	\$81.95	\$51.88
185	12-Oct-11	21	8	\$30.07	Yes	\$81.95	\$51.88
186	12-Oct-11	21	8	\$30.07	Yes	\$81.95	\$51.88
187	12-Oct-11	21	9	\$30.07	Yes	\$81.95	\$51.88
188	12-Oct-11	21	9	\$30.07	Yes	\$81.95	\$51.88
189	12-Oct-11	21	10	\$30.05	Yes	\$81.95	\$51.90
190	12-Oct-11	21	10	\$30.05	Yes	\$81.95	\$51.90
191	12-Oct-11	21	11	\$27.05	Yes	\$81.95	\$54.90
192	12-Oct-11	21	11	\$27.05	Yes	\$81.95	\$54.90
193	12-Oct-11	21	12	\$26.84	Yes	\$81.95	\$55.11
194	12-Oct-11	21	12	\$26.84	Yes	\$81.95	\$55.11
195	12-Oct-11	22	1	\$31.58	Yes	\$83.89	\$52.31
196	12-Oct-11	22	2	\$31.13	Yes	\$83.89	\$52.76
197	12-Oct-11	22	3	\$31.87	Yes	\$83.89	\$52.02
198	12-Oct-11	22	4	\$31.11	Yes	\$83.89	\$52.78
199	12-Oct-11	22	5	\$30.57	Yes	\$83.89	\$53.32
200	12-Oct-11	22	6	\$29.15	Yes	\$83.89	\$54.74
201	12-Oct-11	22	7	\$28.90	Yes	\$83.89	\$54.99
202	12-Oct-11	22	8	\$27.74	Yes	\$83.89	\$56.15
203	12-Oct-11	22	9	\$27.12	Yes	\$83.89	\$56.77
204	12-Oct-11	22	10	\$26.49	Yes	\$83.89	\$57.40
205	12-Oct-11	22	11	\$26.14	Yes	\$83.89	\$57.75
206	12-Oct-11	22	12	\$26.49	Yes	\$83.89	\$57.40
207	12-Oct-11	23	1	\$56.61	Yes	\$83.89	\$27.28
208	12-Oct-11	23	2	\$42.65	Yes	\$83.89	\$41.24
209	12-Oct-11	23	3	\$33.89	Yes	\$83.89	\$50.00
210	12-Oct-11	23	4	\$33.96	Yes	\$83.89	\$49.93
211	12-Oct-11	23	5	\$34.30	Yes	\$83.89	\$49.59
212	12-Oct-11	23	6	\$33.30	Yes	\$83.89	\$50.59
213	12-Oct-11	23	7	\$31.59	Yes	\$83.89	\$52.30
214	12-Oct-11	23	8	\$27.73	Yes	\$83.89	\$56.16
215	12-Oct-11	23	9	\$26.91	Yes	\$83.89	\$56.98
216	12-Oct-11	23	10	\$25.50	Yes	\$83.89	\$58.39
217	12-Oct-11	23	11	\$25.02	Yes	\$83.89	\$58.87
218	12-Oct-11	23	12	\$24.05	Yes	\$83.89	\$59.84
219	12-Oct-11	24	1	\$33.59	Yes	\$84.35	\$50.76
220	12-Oct-11	24	2	\$33.64	Yes	\$84.35	\$50.71
221	12-Oct-11	24	3	\$31.61	Yes	\$84.35	\$52.74

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
222	12-Oct-11	24	4	\$33.57	Yes	\$84.35	\$50.78
223	12-Oct-11	24	5	\$34.16	Yes	\$84.35	\$50.19
224	12-Oct-11	24	6	\$33.25	Yes	\$84.35	\$51.10
225	12-Oct-11	24	7	\$31.11	Yes	\$84.35	\$53.24
226	12-Oct-11	24	8	\$27.16	Yes	\$84.35	\$57.19
227	12-Oct-11	24	9	\$28.71	Yes	\$84.35	\$55.64
228	12-Oct-11	24	10	\$26.23	Yes	\$84.35	\$58.12
229	12-Oct-11	24	11	\$26.23	Yes	\$84.35	\$58.12
230	12-Oct-11	24	12	\$26.23	Yes	\$84.35	\$58.12
231	13-Oct-11	2	1	\$23.72	Yes	\$80.44	\$56.72
232	13-Oct-11	2	2	\$23.73	Yes	\$80.44	\$56.71
233	13-Oct-11	2	3	\$23.73	Yes	\$80.44	\$56.71
234	13-Oct-11	2	4	\$23.60	Yes	\$80.44	\$56.84
235	13-Oct-11	2	5	\$20.10	Yes	\$80.44	\$60.34
236	13-Oct-11	2	6	\$23.60	Yes	\$80.44	\$56.84
237	13-Oct-11	2	7	\$22.56	Yes	\$80.44	\$57.88
238	13-Oct-11	2	8	\$22.56	Yes	\$80.44	\$57.88
239	13-Oct-11	2	9	\$23.51	Yes	\$80.44	\$56.93
240	13-Oct-11	2	10	\$22.85	Yes	\$80.44	\$57.59
241	13-Oct-11	2	11	\$22.77	Yes	\$80.44	\$57.67
242	13-Oct-11	2	12	\$19.14	Yes	\$80.44	\$61.30
243	13-Oct-11	3	1	\$22.14	Yes	\$80.44	\$58.30
244	13-Oct-11	3	2	\$22.14	Yes	\$80.44	\$58.30
245	13-Oct-11	3	3	\$23.13	Yes	\$80.44	\$57.31
246	13-Oct-11	3	4	\$25.14	Yes	\$80.44	\$55.30
247	13-Oct-11	3	5	\$23.56	Yes	\$80.44	\$56.88
248	13-Oct-11	3	6	\$23.39	Yes	\$80.44	\$57.05
249	13-Oct-11	3	7	\$23.15	Yes	\$80.44	\$57.29
250	13-Oct-11	3	8	\$23.15	Yes	\$80.44	\$57.29
251	13-Oct-11	3	9	\$23.15	Yes	\$80.44	\$57.29
252	13-Oct-11	3	10	\$23.12	Yes	\$80.44	\$57.32
253	13-Oct-11	3	11	\$23.12	Yes	\$80.44	\$57.32
254	13-Oct-11	3	12	\$23.12	Yes	\$80.44	\$57.32
255	13-Oct-11	4	1	\$22.98	Yes	\$80.44	\$57.46
256	13-Oct-11	4	2	\$21.87	Yes	\$80.44	\$58.57
257	13-Oct-11	4	3	\$22.98	Yes	\$80.44	\$57.46
258	13-Oct-11	4	4	\$21.65	Yes	\$80.44	\$58.79
259	13-Oct-11	4	5	\$21.88	Yes	\$80.44	\$58.57
260	13-Oct-11	4	6	\$21.88	Yes	\$80.44	\$58.57
261	13-Oct-11	4	7	\$21.59	Yes	\$80.44	\$58.85
262	13-Oct-11	4	8	\$21.59	Yes	\$80.44	\$58.85
263	13-Oct-11	4	9	\$21.59	Yes	\$80.44	\$58.85
264	13-Oct-11	4	10	\$21.65	Yes	\$80.44	\$58.79
265	13-Oct-11	4	11	\$21.65	Yes	\$80.44	\$58.79
266	13-Oct-11	4	12	\$21.65	Yes	\$80.44	\$58.79

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
267	13-Oct-11	5	1	\$21.79	Yes	\$80.44	\$58.65
268	13-Oct-11	5	2	\$21.79	Yes	\$80.44	\$58.65
269	13-Oct-11	5	3	\$21.79	Yes	\$80.44	\$58.65
270	13-Oct-11	5	4	\$22.56	Yes	\$80.44	\$57.88
271	13-Oct-11	5	5	\$22.49	Yes	\$80.44	\$57.95
272	13-Oct-11	5	6	\$23.02	Yes	\$80.44	\$57.42
273	13-Oct-11	5	7	\$23.02	Yes	\$80.44	\$57.42
274	13-Oct-11	5	8	\$23.02	Yes	\$80.44	\$57.42
275	13-Oct-11	5	9	\$23.25	Yes	\$80.44	\$57.19
276	13-Oct-11	5	10	\$21.71	Yes	\$80.44	\$58.73
277	13-Oct-11	5	11	\$21.71	Yes	\$80.44	\$58.73
278	13-Oct-11	5	12	\$22.68	Yes	\$80.44	\$57.76
279	13-Oct-11	6	1	\$21.80	Yes	\$80.44	\$58.64
280	13-Oct-11	6	2	\$21.80	Yes	\$80.44	\$58.64
281	13-Oct-11	6	3	\$21.93	Yes	\$80.44	\$58.51
282	13-Oct-11	6	4	\$17.79	Yes	\$80.44	\$62.65
283	13-Oct-11	6	5	\$21.88	Yes	\$80.44	\$58.56
284	13-Oct-11	6	6	\$22.00	Yes	\$80.44	\$58.44
285	13-Oct-11	6	7	\$22.67	Yes	\$80.44	\$57.77
286	13-Oct-11	6	8	\$24.76	Yes	\$80.44	\$55.68
287	13-Oct-11	6	9	\$25.58	Yes	\$80.44	\$54.86
288	13-Oct-11	6	10	\$26.86	Yes	\$80.44	\$53.58
289	13-Oct-11	6	11	\$26.86	Yes	\$80.44	\$53.58
290	13-Oct-11	6	12	\$28.17	Yes	\$80.44	\$52.27
291	13-Oct-11	7	1	\$0.01	Yes	\$80.44	\$80.43
292	13-Oct-11	7	2	\$0.01	Yes	\$80.44	\$80.43
293	13-Oct-11	7	3	\$0.01	Yes	\$80.44	\$80.43
294	13-Oct-11	7	4	\$16.46	Yes	\$80.44	\$63.98
295	13-Oct-11	7	5	\$22.24	Yes	\$80.44	\$58.20
296	13-Oct-11	7	6	\$23.08	Yes	\$80.44	\$57.36
297	13-Oct-11	7	7	\$22.30	Yes	\$80.44	\$58.14
298	13-Oct-11	7	8	\$22.30	Yes	\$80.44	\$58.14
299	13-Oct-11	7	9	\$26.03	Yes	\$80.44	\$54.41
300	13-Oct-11	7	10	\$26.86	Yes	\$80.44	\$53.58
301	13-Oct-11	7	11	\$30.16	Yes	\$80.44	\$50.28
302	13-Oct-11	7	12	\$30.16	Yes	\$80.44	\$50.28
303	13-Oct-11	8	1	\$23.68	Yes	\$80.44	\$56.76
304	13-Oct-11	8	2	\$24.95	Yes	\$80.44	\$55.49
305	13-Oct-11	8	3	\$25.11	Yes	\$80.44	\$55.33
306	13-Oct-11	8	4	\$23.63	Yes	\$80.44	\$56.81
307	13-Oct-11	8	5	\$23.80	Yes	\$80.44	\$56.64
308	13-Oct-11	8	6	\$23.63	Yes	\$80.44	\$56.81
309	13-Oct-11	8	7	\$25.69	Yes	\$80.44	\$54.75
310	13-Oct-11	8	8	\$25.95	Yes	\$80.44	\$54.49
311	13-Oct-11	8	9	\$25.95	Yes	\$80.44	\$54.49

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
312	13-Oct-11	8	10	\$26.20	Yes	\$80.44	\$54.24
313	13-Oct-11	8	11	\$26.20	Yes	\$80.44	\$54.24
314	13-Oct-11	8	12	\$26.20	Yes	\$80.44	\$54.24
315	13-Oct-11	9	1	\$17.86	Yes	\$80.44	\$62.58
316	13-Oct-11	9	2	\$22.26	Yes	\$80.44	\$58.18
317	13-Oct-11	9	3	\$12.35	Yes	\$80.44	\$68.09
318	13-Oct-11	9	4	\$21.41	Yes	\$80.44	\$59.03
319	13-Oct-11	9	5	\$23.44	Yes	\$80.44	\$57.00
320	13-Oct-11	9	6	\$23.44	Yes	\$80.44	\$57.00
321	13-Oct-11	9	7	\$24.38	Yes	\$80.44	\$56.06
322	13-Oct-11	9	8	\$24.38	Yes	\$80.44	\$56.06
323	13-Oct-11	9	9	\$25.08	Yes	\$80.44	\$55.36
324	13-Oct-11	9	10	\$29.67	Yes	\$80.44	\$50.77
325	13-Oct-11	9	11	\$27.89	Yes	\$80.44	\$52.55
326	13-Oct-11	9	12	\$28.48	Yes	\$80.44	\$51.96
327	13-Oct-11	10	1	\$25.06	Yes	\$80.44	\$55.38
328	13-Oct-11	10	2	\$24.19	Yes	\$80.44	\$56.25
329	13-Oct-11	10	3	\$24.40	Yes	\$80.44	\$56.04
330	13-Oct-11	10	4	\$24.42	Yes	\$80.44	\$56.02
331	13-Oct-11	10	5	\$24.42	Yes	\$80.44	\$56.02
332	13-Oct-11	10	6	\$26.29	Yes	\$80.44	\$54.15
333	13-Oct-11	10	7	\$26.48	Yes	\$80.44	\$53.96
334	13-Oct-11	10	8	\$26.94	Yes	\$80.44	\$53.50
335	13-Oct-11	10	9	\$29.61	Yes	\$80.44	\$50.83
336	13-Oct-11	10	10	\$31.29	Yes	\$80.44	\$49.15
337	13-Oct-11	10	11	\$29.65	Yes	\$80.44	\$50.79
338	13-Oct-11	10	12	\$29.65	Yes	\$80.44	\$50.79
339	13-Oct-11	11	1	\$26.99	Yes	\$80.44	\$53.45
340	13-Oct-11	11	2	\$26.99	Yes	\$80.44	\$53.45
341	13-Oct-11	11	3	\$26.99	Yes	\$80.44	\$53.45
342	13-Oct-11	11	4	\$28.01	Yes	\$80.44	\$52.43
343	13-Oct-11	11	5	\$29.44	Yes	\$80.44	\$51.00
344	13-Oct-11	11	6	\$30.09	Yes	\$80.44	\$50.35
345	13-Oct-11	11	7	\$30.17	Yes	\$80.44	\$50.27
346	13-Oct-11	11	8	\$30.17	Yes	\$80.44	\$50.27
347	13-Oct-11	11	9	\$30.17	Yes	\$84.35	\$54.18
348	13-Oct-11	11	9	\$30.17	Yes	\$80.44	\$50.27
349	13-Oct-11	11	10	\$34.53	Yes	\$80.44	\$45.91
350	13-Oct-11	11	10	\$34.53	Yes	\$84.35	\$49.82
351	13-Oct-11	11	11	\$31.10	Yes	\$80.44	\$49.34
352	13-Oct-11	11	11	\$31.10	Yes	\$84.35	\$53.25
353	13-Oct-11	11	12	\$30.94	Yes	\$80.44	\$49.50
354	13-Oct-11	11	12	\$30.94	Yes	\$84.35	\$53.41
355	13-Oct-11	12	1	\$27.80	Yes	\$84.35	\$56.55
356	13-Oct-11	12	1	\$27.80	Yes	\$80.44	\$52.64

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
357	13-Oct-11	12	2	\$27.80	Yes	\$84.35	\$56.55
358	13-Oct-11	12	2	\$27.80	Yes	\$80.44	\$52.64
359	13-Oct-11	12	3	\$27.80	Yes	\$84.35	\$56.55
360	13-Oct-11	12	3	\$27.80	Yes	\$80.44	\$52.64
361	13-Oct-11	12	4	\$27.80	Yes	\$84.35	\$56.55
362	13-Oct-11	12	4	\$27.80	Yes	\$80.44	\$52.64
363	13-Oct-11	12	5	\$37.08	Yes	\$80.44	\$43.36
364	13-Oct-11	12	5	\$37.08	Yes	\$84.35	\$47.27
365	13-Oct-11	12	6	\$37.21	Yes	\$84.35	\$47.14
366	13-Oct-11	12	6	\$37.21	Yes	\$80.44	\$43.23
367	13-Oct-11	12	7	\$27.80	Yes	\$84.35	\$56.55
368	13-Oct-11	12	7	\$27.80	Yes	\$80.44	\$52.64
369	13-Oct-11	12	8	\$37.90	Yes	\$80.44	\$42.54
370	13-Oct-11	12	8	\$37.90	Yes	\$84.35	\$46.45
371	13-Oct-11	12	9	\$35.52	Yes	\$84.35	\$48.83
372	13-Oct-11	12	9	\$35.52	Yes	\$80.44	\$44.92
373	13-Oct-11	12	10	\$30.97	Yes	\$84.35	\$53.38
374	13-Oct-11	12	10	\$30.97	Yes	\$80.44	\$49.47
375	13-Oct-11	12	11	\$30.99	Yes	\$80.44	\$49.45
376	13-Oct-11	12	11	\$30.99	Yes	\$84.35	\$53.36
377	13-Oct-11	12	12	\$31.19	Yes	\$84.35	\$53.16
378	13-Oct-11	12	12	\$31.19	Yes	\$80.44	\$49.25
379	13-Oct-11	13	1	\$84.35	Yes	\$84.35	\$0.00
380	13-Oct-11	13	1	\$84.35	Yes	\$80.44	-\$3.91
381	13-Oct-11	13	2	\$37.29	Yes	\$80.44	\$43.15
382	13-Oct-11	13	2	\$37.29	Yes	\$84.35	\$47.06
383	13-Oct-11	13	3	\$40.34	Yes	\$80.44	\$40.10
384	13-Oct-11	13	3	\$40.34	Yes	\$84.35	\$44.01
385	13-Oct-11	13	4	\$25.22	Yes	\$84.35	\$59.13
386	13-Oct-11	13	4	\$25.22	Yes	\$80.44	\$55.22
387	13-Oct-11	13	5	\$28.60	Yes	\$84.35	\$55.75
388	13-Oct-11	13	5	\$28.60	Yes	\$80.44	\$51.84
389	13-Oct-11	13	6	\$28.60	Yes	\$84.35	\$55.75
390	13-Oct-11	13	6	\$28.60	Yes	\$80.44	\$51.84
391	13-Oct-11	13	7	\$30.64	Yes	\$80.44	\$49.80
392	13-Oct-11	13	7	\$30.64	Yes	\$84.35	\$53.71
393	13-Oct-11	13	8	\$30.64	Yes	\$80.44	\$49.80
394	13-Oct-11	13	8	\$30.64	Yes	\$84.35	\$53.71
395	13-Oct-11	13	9	\$30.53	Yes	\$84.35	\$53.82
396	13-Oct-11	13	9	\$30.53	Yes	\$80.44	\$49.91
397	13-Oct-11	13	10	\$32.09	Yes	\$80.44	\$48.35
398	13-Oct-11	13	10	\$32.09	Yes	\$84.35	\$52.26
399	13-Oct-11	13	11	\$31.27	Yes	\$84.35	\$53.08
400	13-Oct-11	13	11	\$31.27	Yes	\$80.44	\$49.17
401	13-Oct-11	13	12	\$38.86	Yes	\$84.35	\$45.49

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
402	13-Oct-11	13	12	\$38.86	Yes	\$80.44	\$41.58
403	13-Oct-11	14	1	\$26.17	Yes	\$84.35	\$58.18
404	13-Oct-11	14	1	\$26.17	Yes	\$80.44	\$54.27
405	13-Oct-11	14	2	\$27.15	Yes	\$80.44	\$53.29
406	13-Oct-11	14	2	\$27.15	Yes	\$84.35	\$57.20
407	13-Oct-11	14	3	\$27.07	Yes	\$84.35	\$57.28
408	13-Oct-11	14	3	\$27.07	Yes	\$80.44	\$53.37
409	13-Oct-11	14	4	\$30.41	Yes	\$84.35	\$53.94
410	13-Oct-11	14	4	\$30.41	Yes	\$80.44	\$50.03
411	13-Oct-11	14	5	\$31.26	Yes	\$84.35	\$53.09
412	13-Oct-11	14	5	\$31.26	Yes	\$80.44	\$49.18
413	13-Oct-11	14	6	\$31.66	Yes	\$84.35	\$52.69
414	13-Oct-11	14	6	\$31.66	Yes	\$80.44	\$48.78
415	13-Oct-11	14	7	\$31.66	Yes	\$84.35	\$52.69
416	13-Oct-11	14	7	\$31.66	Yes	\$80.44	\$48.78
417	13-Oct-11	14	8	\$34.41	Yes	\$80.44	\$46.03
418	13-Oct-11	14	8	\$34.41	Yes	\$84.35	\$49.94
419	13-Oct-11	14	9	\$31.59	Yes	\$84.35	\$52.76
420	13-Oct-11	14	9	\$31.59	Yes	\$80.44	\$48.85
421	13-Oct-11	14	10	\$37.60	Yes	\$80.44	\$42.84
422	13-Oct-11	14	10	\$37.60	Yes	\$84.35	\$46.75
423	13-Oct-11	14	11	\$31.66	Yes	\$80.44	\$48.78
424	13-Oct-11	14	11	\$31.66	Yes	\$84.35	\$52.69
425	13-Oct-11	14	12	\$32.46	Yes	\$80.44	\$47.98
426	13-Oct-11	14	12	\$32.46	Yes	\$84.35	\$51.89
427	13-Oct-11	15	1	\$32.11	Yes	\$41.24	\$9.13
428	13-Oct-11	15	1	\$32.11	Yes	\$41.87	\$9.76
429	13-Oct-11	15	2	\$32.12	Yes	\$41.24	\$9.12
430	13-Oct-11	15	2	\$32.12	Yes	\$41.87	\$9.75
431	13-Oct-11	15	3	\$33.91	Yes	\$41.24	\$7.33
432	13-Oct-11	15	3	\$33.91	Yes	\$41.87	\$7.96
433	13-Oct-11	15	4	\$25.07	Yes	\$41.87	\$16.80
434	13-Oct-11	15	4	\$25.07	Yes	\$41.24	\$16.17
435	13-Oct-11	15	5	\$30.38	Yes	\$41.87	\$11.49
436	13-Oct-11	15	5	\$30.38	Yes	\$41.24	\$10.86
437	13-Oct-11	15	6	\$31.21	Yes	\$41.87	\$10.66
438	13-Oct-11	15	6	\$31.21	Yes	\$41.24	\$10.03
439	13-Oct-11	15	7	\$31.21	Yes	\$41.24	\$10.03
440	13-Oct-11	15	7	\$31.21	Yes	\$41.87	\$10.66
441	13-Oct-11	15	8	\$31.21	Yes	\$41.24	\$10.03
442	13-Oct-11	15	8	\$31.21	Yes	\$41.87	\$10.66
443	13-Oct-11	15	9	\$31.21	Yes	\$41.87	\$10.66
444	13-Oct-11	15	9	\$31.21	Yes	\$41.24	\$10.03
445	13-Oct-11	15	10	\$35.63	Yes	\$41.87	\$6.24
446	13-Oct-11	15	10	\$35.63	Yes	\$41.24	\$5.61

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
447	13-Oct-11	15	11	\$32.55	Yes	\$41.87	\$9.32
448	13-Oct-11	15	11	\$32.55	Yes	\$41.24	\$8.69
449	13-Oct-11	15	12	\$32.55	Yes	\$41.24	\$8.69
450	13-Oct-11	15	12	\$32.55	Yes	\$41.87	\$9.32
451	13-Oct-11	16	1	\$31.09	Yes	\$41.24	\$10.15
452	13-Oct-11	16	1	\$31.09	Yes	\$41.87	\$10.78
453	13-Oct-11	16	2	\$31.05	Yes	\$41.24	\$10.19
454	13-Oct-11	16	2	\$31.05	Yes	\$41.87	\$10.82
455	13-Oct-11	16	3	\$31.18	Yes	\$41.24	\$10.06
456	13-Oct-11	16	3	\$31.18	Yes	\$41.87	\$10.69
457	13-Oct-11	16	4	\$31.18	Yes	\$41.24	\$10.06
458	13-Oct-11	16	4	\$31.18	Yes	\$41.87	\$10.69
459	13-Oct-11	16	5	\$31.18	Yes	\$41.87	\$10.69
460	13-Oct-11	16	5	\$31.18	Yes	\$41.24	\$10.06
461	13-Oct-11	16	6	\$31.18	Yes	\$41.87	\$10.69
462	13-Oct-11	16	6	\$31.18	Yes	\$41.24	\$10.06
463	13-Oct-11	16	7	\$32.78	Yes	\$41.87	\$9.09
464	13-Oct-11	16	7	\$32.78	Yes	\$41.24	\$8.46
465	13-Oct-11	16	8	\$26.15	Yes	\$41.87	\$15.72
466	13-Oct-11	16	8	\$26.15	Yes	\$41.24	\$15.09
467	13-Oct-11	16	9	\$27.89	Yes	\$41.24	\$13.35
468	13-Oct-11	16	9	\$27.89	Yes	\$41.87	\$13.98
469	13-Oct-11	16	10	\$30.89	Yes	\$41.87	\$10.98
470	13-Oct-11	16	10	\$30.89	Yes	\$41.24	\$10.35
471	13-Oct-11	16	11	\$21.16	Yes	\$41.24	\$20.08
472	13-Oct-11	16	11	\$21.16	Yes	\$41.87	\$20.71
473	13-Oct-11	16	12	\$31.95	Yes	\$41.87	\$9.92
474	13-Oct-11	16	12	\$31.95	Yes	\$41.24	\$9.29
475	13-Oct-11	17	1	\$29.97	Yes	\$80.44	\$50.47
476	13-Oct-11	17	1	\$29.97	Yes	\$84.35	\$54.38
477	13-Oct-11	17	2	\$34.64	Yes	\$84.35	\$49.71
478	13-Oct-11	17	2	\$34.64	Yes	\$80.44	\$45.80
479	13-Oct-11	17	3	\$33.51	Yes	\$84.35	\$50.84
480	13-Oct-11	17	3	\$33.51	Yes	\$80.44	\$46.93
481	13-Oct-11	17	4	\$34.52	Yes	\$84.35	\$49.83
482	13-Oct-11	17	4	\$34.52	Yes	\$80.44	\$45.92
483	13-Oct-11	17	5	\$34.72	Yes	\$84.35	\$49.63
484	13-Oct-11	17	5	\$34.72	Yes	\$80.44	\$45.72
485	13-Oct-11	17	6	\$36.66	Yes	\$80.44	\$43.78
486	13-Oct-11	17	6	\$36.66	Yes	\$84.35	\$47.69
487	13-Oct-11	17	7	\$35.10	Yes	\$80.44	\$45.34
488	13-Oct-11	17	7	\$35.10	Yes	\$84.35	\$49.25
489	13-Oct-11	17	8	\$34.78	Yes	\$84.35	\$49.57
490	13-Oct-11	17	8	\$34.78	Yes	\$80.44	\$45.66
491	13-Oct-11	17	9	\$31.25	Yes	\$80.44	\$49.19

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
492	13-Oct-11	17	9	\$31.25	Yes	\$84.35	\$53.10
493	13-Oct-11	17	10	\$34.96	Yes	\$84.35	\$49.39
494	13-Oct-11	17	10	\$34.96	Yes	\$80.44	\$45.48
495	13-Oct-11	17	11	\$28.60	Yes	\$80.44	\$51.84
496	13-Oct-11	17	11	\$28.60	Yes	\$84.35	\$55.75
497	13-Oct-11	17	12	\$34.62	Yes	\$80.44	\$45.82
498	13-Oct-11	17	12	\$34.62	Yes	\$84.35	\$49.73
499	13-Oct-11	18	1	\$29.60	Yes	\$41.87	\$12.27
500	13-Oct-11	18	1	\$29.60	Yes	\$41.24	\$11.64
501	13-Oct-11	18	2	\$32.15	Yes	\$41.87	\$9.72
502	13-Oct-11	18	2	\$32.15	Yes	\$41.24	\$9.09
503	13-Oct-11	18	3	\$33.18	Yes	\$41.87	\$8.69
504	13-Oct-11	18	3	\$33.18	Yes	\$41.24	\$8.06
505	13-Oct-11	18	4	\$32.78	Yes	\$41.87	\$9.09
506	13-Oct-11	18	4	\$32.78	Yes	\$41.24	\$8.46
507	13-Oct-11	18	5	\$33.48	Yes	\$41.24	\$7.76
508	13-Oct-11	18	5	\$33.48	Yes	\$41.87	\$8.39
509	13-Oct-11	18	6	\$32.71	Yes	\$41.87	\$9.16
510	13-Oct-11	18	6	\$32.71	Yes	\$41.24	\$8.53
511	13-Oct-11	18	7	\$32.71	Yes	\$41.87	\$9.16
512	13-Oct-11	18	7	\$32.71	Yes	\$41.24	\$8.53
513	13-Oct-11	18	8	\$32.71	Yes	\$41.87	\$9.16
514	13-Oct-11	18	8	\$32.71	Yes	\$41.24	\$8.53
515	13-Oct-11	18	9	\$32.71	Yes	\$41.87	\$9.16
516	13-Oct-11	18	9	\$32.71	Yes	\$41.24	\$8.53
517	13-Oct-11	18	10	\$32.71	Yes	\$41.24	\$8.53
518	13-Oct-11	18	10	\$32.71	Yes	\$41.87	\$9.16
519	13-Oct-11	18	11	\$32.71	Yes	\$41.87	\$9.16
520	13-Oct-11	18	11	\$32.71	Yes	\$41.24	\$8.53
521	13-Oct-11	18	12	\$32.71	Yes	\$41.87	\$9.16
522	13-Oct-11	18	12	\$32.71	Yes	\$41.24	\$8.53
523	13-Oct-11	19	1	\$24.98	Yes	\$41.24	\$16.26
524	13-Oct-11	19	1	\$24.98	Yes	\$41.87	\$16.89
525	13-Oct-11	19	2	\$24.98	Yes	\$41.24	\$16.26
526	13-Oct-11	19	2	\$24.98	Yes	\$41.87	\$16.89
527	13-Oct-11	19	3	\$24.98	Yes	\$41.24	\$16.26
528	13-Oct-11	19	3	\$24.98	Yes	\$41.87	\$16.89
529	13-Oct-11	19	4	\$24.98	Yes	\$41.87	\$16.89
530	13-Oct-11	19	4	\$24.98	Yes	\$41.24	\$16.26
531	13-Oct-11	19	5	\$27.17	Yes	\$41.24	\$14.07
532	13-Oct-11	19	5	\$27.17	Yes	\$41.87	\$14.70
533	13-Oct-11	19	6	\$26.49	Yes	\$41.24	\$14.75
534	13-Oct-11	19	6	\$26.49	Yes	\$41.87	\$15.38
535	13-Oct-11	19	7	\$35.76	Yes	\$41.87	\$6.11
536	13-Oct-11	19	7	\$35.76	Yes	\$41.24	\$5.48

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
537	13-Oct-11	19	8	\$27.18	Yes	\$41.24	\$14.06
538	13-Oct-11	19	8	\$27.18	Yes	\$41.87	\$14.69
539	13-Oct-11	19	9	\$28.45	Yes	\$41.87	\$13.42
540	13-Oct-11	19	9	\$28.45	Yes	\$41.24	\$12.79
541	13-Oct-11	19	10	\$35.25	Yes	\$41.24	\$5.99
542	13-Oct-11	19	10	\$35.25	Yes	\$41.87	\$6.62
543	13-Oct-11	19	11	\$35.15	Yes	\$41.24	\$6.09
544	13-Oct-11	19	11	\$35.15	Yes	\$41.87	\$6.72
545	13-Oct-11	19	12	\$35.67	Yes	\$41.24	\$5.57
546	13-Oct-11	19	12	\$35.67	Yes	\$41.87	\$6.20
547	13-Oct-11	20	1	\$33.34	Yes	\$80.44	\$47.10
548	13-Oct-11	20	1	\$33.34	Yes	\$84.35	\$51.01
549	13-Oct-11	20	2	\$35.55	Yes	\$80.44	\$44.89
550	13-Oct-11	20	2	\$35.55	Yes	\$84.35	\$48.80
551	13-Oct-11	20	3	\$25.40	Yes	\$80.44	\$55.04
552	13-Oct-11	20	3	\$25.40	Yes	\$84.35	\$58.95
553	13-Oct-11	20	4	\$27.66	Yes	\$80.44	\$52.78
554	13-Oct-11	20	4	\$27.66	Yes	\$84.35	\$56.69
555	13-Oct-11	20	5	\$27.66	Yes	\$80.44	\$52.78
556	13-Oct-11	20	5	\$27.66	Yes	\$84.35	\$56.69
557	13-Oct-11	20	6	\$28.13	Yes	\$80.44	\$52.31
558	13-Oct-11	20	6	\$28.13	Yes	\$84.35	\$56.22
559	13-Oct-11	20	7	\$30.87	Yes	\$80.44	\$49.57
560	13-Oct-11	20	7	\$30.87	Yes	\$84.35	\$53.48
561	13-Oct-11	20	8	\$28.11	Yes	\$84.35	\$56.24
562	13-Oct-11	20	8	\$28.11	Yes	\$80.44	\$52.33
563	13-Oct-11	20	9	\$27.82	Yes	\$84.35	\$56.53
564	13-Oct-11	20	9	\$27.82	Yes	\$80.44	\$52.62
565	13-Oct-11	20	10	\$27.78	Yes	\$84.35	\$56.57
566	13-Oct-11	20	10	\$27.78	Yes	\$80.44	\$52.66
567	13-Oct-11	20	11	\$26.05	Yes	\$80.44	\$54.39
568	13-Oct-11	20	11	\$26.05	Yes	\$84.35	\$58.30
569	13-Oct-11	20	12	\$24.00	Yes	\$80.44	\$56.44
570	13-Oct-11	20	12	\$24.00	Yes	\$84.35	\$60.35
571	13-Oct-11	21	1	\$26.98	Yes	\$80.44	\$53.46
572	13-Oct-11	21	1	\$26.98	Yes	\$84.35	\$57.37
573	13-Oct-11	21	2	\$26.49	Yes	\$80.44	\$53.95
574	13-Oct-11	21	2	\$26.49	Yes	\$84.35	\$57.86
575	13-Oct-11	21	3	\$27.79	Yes	\$80.44	\$52.65
576	13-Oct-11	21	3	\$27.79	Yes	\$84.35	\$56.56
577	13-Oct-11	21	4	\$27.78	Yes	\$80.44	\$52.66
578	13-Oct-11	21	4	\$27.78	Yes	\$84.35	\$56.57
579	13-Oct-11	21	5	\$27.78	Yes	\$84.35	\$56.57
580	13-Oct-11	21	5	\$27.78	Yes	\$80.44	\$52.66
581	13-Oct-11	21	6	\$27.57	Yes	\$84.35	\$56.78

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
582	13-Oct-11	21	6	\$27.57	Yes	\$80.44	\$52.87
583	13-Oct-11	21	7	\$24.88	Yes	\$80.44	\$55.56
584	13-Oct-11	21	7	\$24.88	Yes	\$84.35	\$59.47
585	13-Oct-11	21	8	\$24.54	Yes	\$80.44	\$55.90
586	13-Oct-11	21	8	\$24.54	Yes	\$84.35	\$59.81
587	13-Oct-11	21	9	\$24.06	Yes	\$84.35	\$60.30
588	13-Oct-11	21	9	\$24.06	Yes	\$80.44	\$56.39
589	13-Oct-11	21	10	\$24.19	Yes	\$80.44	\$56.25
590	13-Oct-11	21	10	\$24.19	Yes	\$84.35	\$60.16
591	13-Oct-11	21	11	\$24.05	Yes	\$80.44	\$56.39
592	13-Oct-11	21	11	\$24.05	Yes	\$84.35	\$60.30
593	13-Oct-11	21	12	\$23.05	Yes	\$80.44	\$57.39
594	13-Oct-11	21	12	\$23.05	Yes	\$84.35	\$61.30
595	13-Oct-11	22	1	\$31.37	Yes	\$80.44	\$49.07
596	13-Oct-11	22	1	\$31.37	Yes	\$82.42	\$51.05
597	13-Oct-11	22	2	\$27.80	Yes	\$80.44	\$52.64
598	13-Oct-11	22	2	\$27.80	Yes	\$82.42	\$54.62
599	13-Oct-11	22	3	\$27.80	Yes	\$80.44	\$52.64
600	13-Oct-11	22	3	\$27.80	Yes	\$82.42	\$54.62
601	13-Oct-11	22	4	\$26.19	Yes	\$82.42	\$56.23
602	13-Oct-11	22	4	\$26.19	Yes	\$80.44	\$54.25
603	13-Oct-11	22	5	\$25.12	Yes	\$82.42	\$57.30
604	13-Oct-11	22	5	\$25.12	Yes	\$80.44	\$55.32
605	13-Oct-11	22	6	\$24.50	Yes	\$80.44	\$55.94
606	13-Oct-11	22	6	\$24.50	Yes	\$82.42	\$57.92
607	13-Oct-11	22	7	\$22.38	Yes	\$80.44	\$58.06
608	13-Oct-11	22	7	\$22.38	Yes	\$82.42	\$60.04
609	13-Oct-11	22	8	\$21.45	Yes	\$82.42	\$60.97
610	13-Oct-11	22	8	\$21.45	Yes	\$80.44	\$58.99
611	13-Oct-11	22	9	\$20.30	Yes	\$82.42	\$62.12
612	13-Oct-11	22	9	\$20.30	Yes	\$80.44	\$60.14
613	13-Oct-11	22	10	\$21.40	Yes	\$82.42	\$61.02
614	13-Oct-11	22	10	\$21.40	Yes	\$80.44	\$59.04
615	13-Oct-11	22	11	\$21.92	Yes	\$80.44	\$58.52
616	13-Oct-11	22	11	\$21.92	Yes	\$82.42	\$60.50
617	13-Oct-11	22	12	\$19.65	Yes	\$80.44	\$60.79
618	13-Oct-11	22	12	\$19.65	Yes	\$82.42	\$62.77
619	13-Oct-11	23	1	\$29.14	Yes	\$84.35	\$55.21
620	13-Oct-11	23	1	\$29.14	Yes	\$80.44	\$51.30
621	13-Oct-11	23	2	\$31.30	Yes	\$80.44	\$49.14
622	13-Oct-11	23	2	\$31.30	Yes	\$84.35	\$53.05
623	13-Oct-11	23	3	\$28.52	Yes	\$84.35	\$55.83
624	13-Oct-11	23	3	\$28.52	Yes	\$80.44	\$51.92
625	13-Oct-11	23	4	\$31.16	Yes	\$80.44	\$49.28
626	13-Oct-11	23	4	\$31.16	Yes	\$84.35	\$53.19

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
627	13-Oct-11	23	5	\$29.00	Yes	\$80.44	\$51.44
628	13-Oct-11	23	5	\$29.00	Yes	\$84.35	\$55.35
629	13-Oct-11	23	6	\$27.80	Yes	\$84.35	\$56.55
630	13-Oct-11	23	6	\$27.80	Yes	\$80.44	\$52.64
631	13-Oct-11	23	7	\$27.33	Yes	\$80.44	\$53.11
632	13-Oct-11	23	7	\$27.33	Yes	\$84.35	\$57.02
633	13-Oct-11	23	8	\$26.60	Yes	\$84.35	\$57.75
634	13-Oct-11	23	8	\$26.60	Yes	\$80.44	\$53.84
635	13-Oct-11	23	9	\$26.11	Yes	\$84.35	\$58.24
636	13-Oct-11	23	9	\$26.11	Yes	\$80.44	\$54.33
637	13-Oct-11	23	10	\$25.65	Yes	\$80.44	\$54.79
638	13-Oct-11	23	10	\$25.65	Yes	\$84.35	\$58.70
639	13-Oct-11	23	11	\$22.39	Yes	\$80.44	\$58.05
640	13-Oct-11	23	11	\$22.39	Yes	\$84.35	\$61.96
641	13-Oct-11	23	12	\$18.15	Yes	\$84.35	\$66.20
642	13-Oct-11	23	12	\$18.15	Yes	\$80.44	\$62.29
643	13-Oct-11	24	1	\$28.18	Yes	\$80.44	\$52.26
644	13-Oct-11	24	1	\$28.18	Yes	\$84.35	\$56.17
645	13-Oct-11	24	2	\$27.56	Yes	\$84.35	\$56.79
646	13-Oct-11	24	2	\$27.56	Yes	\$80.44	\$52.88
647	13-Oct-11	24	3	\$24.13	Yes	\$84.35	\$60.22
648	13-Oct-11	24	3	\$24.13	Yes	\$80.44	\$56.31
649	13-Oct-11	24	4	\$23.86	Yes	\$80.44	\$56.58
650	13-Oct-11	24	4	\$23.86	Yes	\$84.35	\$60.49
651	13-Oct-11	24	5	\$26.14	Yes	\$80.44	\$54.30
652	13-Oct-11	24	5	\$26.14	Yes	\$84.35	\$58.21
653	13-Oct-11	24	6	\$26.18	Yes	\$80.44	\$54.26
654	13-Oct-11	24	6	\$26.18	Yes	\$84.35	\$58.17
655	13-Oct-11	24	7	\$23.18	Yes	\$80.44	\$57.26
656	13-Oct-11	24	7	\$23.18	Yes	\$84.35	\$61.17
657	13-Oct-11	24	8	\$26.05	Yes	\$84.35	\$58.30
658	13-Oct-11	24	8	\$26.05	Yes	\$80.44	\$54.39
659	13-Oct-11	24	9	\$26.05	Yes	\$84.35	\$58.30
660	13-Oct-11	24	9	\$26.05	Yes	\$80.44	\$54.39
661	13-Oct-11	24	10	\$23.64	Yes	\$80.44	\$56.80
662	13-Oct-11	24	10	\$23.64	Yes	\$84.35	\$60.71
663	13-Oct-11	24	11	\$23.05	Yes	\$84.35	\$61.30
664	13-Oct-11	24	11	\$23.05	Yes	\$80.44	\$57.39
665	13-Oct-11	24	12	\$17.74	Yes	\$84.35	\$66.61
666	13-Oct-11	24	12	\$17.74	Yes	\$80.44	\$62.70

Appendix C: Exceptional Dispatch Bid Mitigation Analysis

In October 2011, the ISO applied the exceptional dispatch bid mitigation to the exceptional dispatches that are noncompetitive TMODELS⁸ and Delta Dispatch. Table 10 shows the costs by instruction type in October. With exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches were \$68,885. Without the exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches would be \$88,019. The cost saving from the exceptional dispatch bid mitigation was \$19,134.

Table 10: Bid Mitigation Analysis for October

Type	Number of Resources	Costs without Bid Mitigation	Costs with Bid Mitigation	Cost Saving
NONTMOD	3	\$69,513	\$66,658	\$2,856
TMODEL5	5	\$3,643	\$1,953	\$1,689
TMODEL6	1	\$14,863	\$274	\$14,589
Total	9	\$88,019	\$68,885	\$19,134

⁸ 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 30th day of January, 2012.

Anna Pascuzzo

Anna Pascuzzo