California ISO
Your Link to Power

California Independent
System Operator Corporation

March 30, 2010

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

> **Re: California Independent System Operator Corporation**
> **Docket Nos. ER08-1178-___, and EL08-88-___**
> **December 2009 Exceptional Dispatch Report (Chart 2 data)**

Dear Secretary Bose:

Pursuant to the Commission's September 2, 2009 order in the above-identified docket, *Cal. Indep. System Operator Corp,* 128 FERC ¶ 61,218 (2008), the California Independent System Operator Corporation (ISO) 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 by the ISO's September 14, 2009 motion for clarification. The attached report provides Chart 2 data for the month of December 2009. The September 14 motion proposed to file the Chart 2 report for any given calendar month on the 30th of the month following the filing of the "Chart 1" report. The attached Chart 2 report also includes the price impact analysis for the month December 2009 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 December 2009.

Respectfully submitted,

/s/ Sidney M. Davies

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

Exceptional Dispatch Report

Table 2: December 2009

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Introduction

In its September 2nd order in ER08-1178, FERC directed the ISO to file two exceptional dispatch reports for each reporting period. The ISO filed the first report for December 2009 on February 16, 2010, which contained details of occurrences of exceptional dispatch instructions according to the FERC-prescribed format as modified by the ISO's September 14, 2009 request for clarification.[1] This is the second report for December 2009, which contains cost information relating to each occurrence detailed in the first report. This report also follows FERC's format as modified by the ISO's request for clarification filed on September 14, 2009.

In addition, this report contains a price impact analysis as prescribed by FERC order.[2] The price impact analysis for the month of December is presented in Appendix B. This report also includes the degree of mitigation analysis for December 2009 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 December 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

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[1] *See Cal. Indep. Sys. Operator Corp.*, 128 FERC ¶ 61,218 at PP 38-43 (2009). The ISO's request for clarification is still pending.
[2] *See Id.* at P 44.

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 associate a reason for each exceptional dispatch instruction.

In December, the ISO issued exceptional dispatches for the following local area generation requirements: (1) G-206, San Diego area generation requirements; (2) G-217, South of Lugo generation requirements; and (3) G-219, SCE area generation requirements; Exceptional dispatch instructions were also issued for following transmission management requirements: (1) T-103, Southern California import transmission (SCIT) nomogram; (2) T-132, transmission facilities in San Diego and Imperial Valley area; (3) T-138, transmission facilities in Humboldt area; and (4) other transmission outages in PG&E, SCE and SDG&E area.

In Table 1, the reason codes starting with "G" refer to an ISO operation procedure for generation requirements and the reason codes starting with "T" refer to an ISO operating procedure for transmission facilities. Most of the generation procedures are internal to the ISO and not available publically on the ISO website; however, all of the transmission procedures are available on the CAISO website.[3]

The following additional reasons for exceptional dispatch instructions in December were not related to specific generation or transmission operating procedures: (1) Intertie emergency assistance, when CAISO was providing assistance to its neighboring control area; (2) Software Limitation, when an exceptional dispatch instruction was used to bridge schedules across days for resources with a minimum down time of 24 hours, as the ISO software does not handle multi day commitment. (For instance, a resource has a day-ahead schedule from 0600 till 2300, and then is shut down in 2400. If this resource had a minimum down time of 24 hours and it is required the following day, then the ISO issues an exceptional dispatch to commit this resource in 2400 so that it can be dispatched economically in the following day. Software limitation reason was also used for exceptional dispatches to manually issue shut down instructions to a resource because of a temporary Automatic Dispatch System ("ADS") failure, or similar issues.); (3) Market Disruption, when the exceptional dispatch instructions were issued due to HASP failures; (4) Thermal Margin, when the exceptional dispatch instructions were issued due to load forecast uncertainty; and (5) Ramp Rate, when exceptional dispatch instructions were issued to

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[3] A list of all of the ISO's Operating Procedures and all the publicly available Operating Procedures are available at the following link:
http://www.caiso.com/thegrid/operations/opsdoc/index.html

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 December, which are self explanatory.

As mentioned earlier, the data shown in Table 1 is based on a template specified in the September 2009 order.[4] This table contains all the information published in the Table 1 of the first report for December. 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

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[4] 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.

for its start up and minimum load costs; however, it ensures that resources are compensated adequately through its bid cost recovery process.[5]

- The CC6470 shows the total imbalance energy costs for the classification. This cost contains the portion of exceptional dispatch instruction that was settled as optimal energy by virtue of its bid price being less than the LMP in that specific settlement interval.

- The ED Volume MWh (MWh INC/DEC) shows the incremental or the decremental portion of the real-time exceptional dispatch MWh for the classification. The CC6470-INC shows that portion of incremental exceptional dispatch instruction which is settled at the resource specific LMP.

- The CC6470-DEC shows that portion of decremental exceptional dispatch instruction which is settled at the resource specific LMP. Both these charge codes are portion of the real-time Instructed imbalance energy charge code (6470). [6]

- The CC6482 shows the real-time excess cost for the classification.[7]

- The CC6488 shows the real-time exceptional dispatch uplift settlement for the classification.[8] 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.

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[5] For further details please refer to sections 11.8 of the ISO tariff for further details regarding the Bid Cost Recovery process.
[6] For further details please refer to the BPM configuration Guide: Real-Time Instructed Imbalance Energy Settlement published on the ISO's website.
[7] For further details please refer to the BPM configuration Guide: Real Time Excess Cost for Instructed Energy Settlement published on the ISO's website.
[8] 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 December 2009

California Independent System Operator Corporation Exceptional Dispatch Report March 30, 2010
Chart 2: Table of Exceptional Dispatches for Period 01/December/2009 - 31/ December/2009

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
1	DA	G-206	SDG&E	San Diego	10-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$50,057	$0	$0	0.00	$0	$0	$0	$0	$25,429
2	DA	SP26 Capacity	SDG&E	San Diego	1-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$35,395	$0	$0	0.00	$0	$0	$0	$0	$5,088
3	DA	SP26 Capacity	SDG&E	San Diego	2-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$47,740	$0	$0	0.00	$0	$0	$0	$0	$24,273
4	DA	SP26 Capacity	SDG&E	San Diego	3-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$47,277	$0	$0	0.00	$0	$0	$0	$0	$27,286
5	DA	SP26 Capacity	SDG&E	San Diego	4-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$50,246	$0	$0	0.00	$0	$0	$0	$0	$6,427
6	DA	SP26 Capacity	SDG&E	San Diego	5-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$48,112	$0	$0	0.00	$0	$0	$0	$0	$25,770
7	DA	SP26 Capacity	SDG&E	San Diego	6-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$48,112	$0	$0	0.00	$0	$0	$0	$0	$28,164
8	DA	SP26 Capacity	SDG&E	San Diego	7-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$48,112	$0	$0	0.00	$0	$0	$0	$0	$0
9	DA	SP26 Capacity	SDG&E	San Diego	8-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$48,112	$0	$0	0.00	$0	$0	$0	$0	$0
10	DA	SP26 Capacity	SDG&E	San Diego	10-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$53,680	$0	$0	0.00	$0	$0	$0	$0	$26,760
11	DA	SP26 Capacity	SDG&E	San Diego	11-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$55,351	$0	$0	0.00	$0	$0	$0	$0	$27,764
12	DA	SP26 Capacity	SDG&E	San Diego	12-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$52,659	$0	$0	0.00	$0	$0	$0	$0	$24,231
13	DA	SP26 Capacity	SDG&E	San Diego	13-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$53,774	$0	$0	0.00	$0	$0	$0	$0	$19,431
14	DA	SP26 Capacity	SDG&E	San Diego	14-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$53,774	$0	$0	0.00	$0	$0	$0	$0	$24,223
15	DA	SP26 Capacity	SDG&E	San Diego	15-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$53,774	$0	$0	0.00	$0	$0	$0	$0	$29,521
16	DA	SP26 Capacity	SDG&E	San Diego	16-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$55,351	$0	$0	0.00	$0	$0	$0	$0	$29,307
17	DA	SP26 Capacity	SDG&E	San Diego	17-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$55,722	$0	$0	0.00	$0	$0	$0	$0	$26,977
18	DA	SP26 Capacity	SDG&E	San Diego	18-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$55,351	$0	$0	0.00	$0	$0	$0	$0	$25,567
19	DA	SP26 Capacity	SDG&E	San Diego	19-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$55,351	$0	$0	0.00	$0	$0	$0	$0	$32,967
20	DA	SP26 Capacity	SDG&E	San Diego	20-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$56,837	$0	$0	0.00	$0	$0	$0	$0	$31,480
21	DA	SP26 Capacity	SDG&E	San Diego	21-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$56,837	$0	$0	0.00	$0	$0	$0	$0	$37,480
22	DA	SP26 Capacity	SDG&E	San Diego	22-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$47,759	$0	$0	0.00	$0	$0	$0	$0	$28,900
23	DA	SP26 Capacity	SDG&E	San Diego	23-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$57,115	$0	$0	0.00	$0	$0	$0	$0	$27,982
24	DA	SP26 Capacity	SDG&E	San Diego	24-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$55,908	$0	$0	0.00	$0	$0	$0	$0	$34,855
25	DA	SP26 Capacity	SDG&E	San Diego	25-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$55,908	$0	$0	0.00	$0	$0	$0	$0	$36,021
26	DA	SP26 Capacity	SDG&E	San Diego	26-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$58,044	$0	$0	0.00	$0	$0	$0	$0	$37,441
27	DA	SP26 Capacity	SDG&E	San Diego	27-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$58,044	$0	$0	0.00	$0	$0	$0	$0	$37,966
28	DA	SP26 Capacity	SDG&E	San Diego	28-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$58,044	$0	$0	0.00	$0	$0	$0	$0	$34,913
29	DA	SP26 Capacity	SDG&E	San Diego	29-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$58,044	$0	$0	0.00	$0	$0	$0	$0	$36,276
30	DA	SP26 Capacity	SDG&E	San Diego	30-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$59,435	$0	$0	0.00	$0	$0	$0	$0	$36,808

Num ber	Mark et Type	Reason	Location	Local Reliability Area	Trade Date	MW	Comm itment	INC_ DEC	Ho urs	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
31	DA	SP26 Capacity	SDG&E	San Diego	31-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$59,900	$0	$0	0.00	$0	$0	$0	$0	$38,799
32	DA	Transmission Outage SCE	SCE	Big Creek-Ventura	15-Dec-09	20	Yes	N/A	7	16:00	22:00	140.00	$12,527	$9,497	$0	0.00	$0	$0	$0	$0	$3,682
33	DA	Transmission Outage SCE	SCE	Big Creek-Ventura	16-Dec-09	20	Yes	N/A	6	17:00	22:00	120.00	$11,052	$6,185	$0	0.00	$0	$0	$0	$0	$0
34	DA	Transmission Outage SCE	SCE	LA Basin	1-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$64,320	$0	$0	0.00	$0	$0	$0	$0	$0
35	DA	Transmission Outage SCE	SCE	LA Basin	6-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$64,320	$0	$0	0.00	$0	$0	$0	$0	$42,837
36	DA	Transmission Outage SCE	SCE	LA Basin	10-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$92,256	$0	$0	0.00	$0	$0	$0	$0	$20,885
37	DA	Transmission Outage SCE	SCE	LA Basin	11-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$92,256	$0	$0	0.00	$0	$0	$0	$0	$63,140
38	DA	Transmission Outage SCE	SCE	LA Basin	12-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$92,256	$0	$0	0.00	$0	$0	$0	$0	$68,461
39	DA	Transmission Outage SCE	SCE	LA Basin	13-Dec-09	20	Yes	N/A	24	0:00	23:00	480.00	$92,256	$0	$0	0.00	$0	$0	$0	$0	$61,599
40	DA	Transmission Outage SCE	SCE	LA Basin	14-Dec-09	40	Yes	N/A	24	0:00	23:00	960.00	$184,513	$0	$0	0.00	$0	$0	$0	$0	$131,309
41	DA	Transmission Outage SCE	SCE	LA Basin	15-Dec-09	40	Yes	N/A	24	0:00	23:00	960.00	$184,513	$0	$0	0.00	$0	$0	$0	$0	$124,253
42	DA	Transmission Outage SCE	SCE	LA Basin	16-Dec-09	40	Yes	N/A	24	0:00	23:00	960.00	$184,513	$0	$0	0.00	$0	$0	$0	$0	$91,700
43	DA	Transmission Outage SCE	SCE	LA Basin	17-Dec-09	40	Yes	N/A	24	0:00	23:00	960.00	$184,513	$0	$0	0.00	$0	$0	$0	$0	$52,860
44	DA	Transmission Outage SCE	SCE	LA Basin	18-Dec-09	40	Yes	N/A	24	0:00	23:00	960.00	$184,513	$0	$0	0.00	$0	$0	$0	$0	$124,388
45	DA	Transmission Outage SCE	SCE	LA Basin	20-Dec-09	20	Yes	N/A	18	6:00	23:00	360.00	$69,192	$38,041	$0	0.00	$0	$0	$0	$0	$88,379
46	DA	Transmission Outage SCE	SCE	LA Basin	21-Dec-09	20 - 40	Yes	N/A	24	0:00	23:00	840.00	$161,449	$0	$0	0.00	$0	$0	$0	$0	$118,464
47	DA	Transmission Outage SCE	SCE	LA Basin	22-Dec-09	40	Yes	N/A	24	0:00	23:00	960.00	$184,513	$0	$0	0.00	$0	$0	$0	$0	$133,955
48	DA	Transmission Outage SCE	SCE	LA Basin	23-Dec-09	40	Yes	N/A	24	0:00	23:00	960.00	$184,513	$0	$0	0.00	$0	$0	$0	$0	$124,572
49	DA	Transmission Outage SCE	SCE	LA Basin	27-Dec-09	20	Yes	N/A	18	6:00	23:00	360.00	$69,192	$38,041	$0	0.00	$0	$0	$0	$0	$89,481
50	DA	Transmission Outage SCE	SCE	LA Basin	28-Dec-09	10	Yes	N/A	18	6:00	23:00	180.00	$29,430	$30,945	$0	0.00	$0	$0	$0	$0	$45,326
51	DA	Transmission Outage SCE	SCE	LA Basin	29-Dec-09	30	Yes	N/A	24	0:00	23:00	720.00	$97,541	$38,040	$0	0.00	$0	$0	$0	$0	$100,710
52	DA	Transmission Outage SCE	SCE	LA Basin	30-Dec-09	20 - 40	Yes	N/A	24	0:00	23:00	860.00	$165,293	$38,041	$0	0.00	$0	$0	$0	$0	$161,042
53	DA	Transmission Outage SCE	SCE	LA Basin	31-Dec-09	40	Yes	N/A	22	0:00	21:00	880.00	$169,137	$0	$0	0.00	$0	$0	$0	$0	$122,839
54	DA	Transmission Outage SDG&E	SCE	Big Creek-Ventura	9-Dec-09	40	Yes	N/A	24	0:00	23:00	960.00	$81,656	$0	$0	0.00	$0	$0	$0	$0	$7,342
55	RT	G-217	SCE	LA Basin	4-Dec-09	20	Yes	INC	9	15:00	23:59	247.07	$18,810	$0	($10,223)	0.00	$0	$0	$0	$0	$0
56	RT	G-217	SCE	LA Basin	12-Dec-09	20 - 65	Yes	INC	21	3:20	23:59	756.21	$54,443	$87,398	($39,738)	249.26	($14,955)	$0	$0	$0	$0
57	RT	G-217	SCE	LA Basin	13-Dec-09	20	No	INC	1	11:00	11:59	19.17	$2,090	$0	($825)	0.00	$0	$0	$0	$0	$0
58	RT	G-219	SCE	LA Basin	3-Dec-09	20	Yes	INC	24	0:00	23:59	2128.61	$60,120	$0	($114,197)	515.49	($25,876)	$0	$0	$0	$0
59	RT	G-219	SCE	LA Basin	11-Dec-09	20	Yes	INC	23	1:00	23:59	3836.57	$57,615	$0	($216,2	0.00	$0	$0	$0	$0	$0

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Comm itment	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
															45)						
60	RT	G-219	SCE	LA Basin	14-Dec-09	20	Yes	INC	16	8:00	23:59	1423.52	$33,440	$0	($65,509)	0.00	$0	$0	$0	$0	$0
61	RT	G-219	SCE	LA Basin	15-Dec-09	20	Yes	INC	16	8:00	23:59	1099.95	$33,440	$0	($65,404)	0.00	$0	$0	$0	$0	$0
62	RT	G-219	SCE	LA Basin	16-Dec-09	20	Yes	INC	24	0:00	23:59	905.04	$50,160	$0	($51,592)	0.00	$0	$0	$0	$0	$0
63	RT	G-219	SCE	LA Basin	17-Dec-09	20	Yes	INC	24	0:00	23:59	1040.78	$50,160	$0	($52,632)	106.32	($6,257)	$0	$0	$0	$0
64	RT	G-219	SCE	LA Basin	18-Dec-09	20	Yes	INC	24	0:00	23:59	1208.21	$50,160	$0	($66,768)	0.00	$0	$0	$0	$0	$0
65	RT	G-219	SCE	LA Basin	24-Dec-09	20	Yes	INC	24	0:00	23:59	480.17	$92,256	$0	($19,191)	0.00	$0	$0	$0	$0	$0
66	RT	Generation Outage SP26	SCE	Big Creek-Ventura	12-Dec-09	40	Yes	INC	16	8:00	23:59	659.98	$56,410	$0	($34,636)	0.00	$0	$0	$0	$0	$0
67	RT	Generation Outage SP26	SDG&E	San Diego	9-Dec-09	20 - 40	Yes	INC	6	18:00	23:59	153.48	$14,012	$5,062	($7,752)	0.00	$0	$0	$0	$0	$0
68	RT	Inclement Weather	PG&E	Bay Area	7-Dec-09	45	Yes	INC	14	10:00	23:59	3319.35	$45,780	$0	($575,076)	0.00	$0	$0	$0	$0	$0
69	RT	Intertie Emergency Assistance	N/A	N/A	7-Dec-09	100	No	INC	1	20:00	20:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
70	RT	Intertie Emergency Assistance	N/A	N/A	8-Dec-09	200	No	INC	1	3:45	3:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
71	RT	Intertie Emergency Assistance	N/A	N/A	12-Dec-09	100	No	INC	2	5:42	6:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
72	RT	Intertie Emergency Assistance	N/A	N/A	21-Dec-09	80	No	INC	2	8:35	9:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
73	RT	Intertie Emergency Assistance	N/A	N/A	30-Dec-09	100 - 300	No	INC	3	10:56	12:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
74	RT	Load Forecast Uncertainty	PG&E	Bay Area	8-Dec-09	45 - 90	Yes	INC	21	3:25	23:59	722.51	$31,768	$0	($52,726)	58.75	($4,444)	$0	$0	$0	$0
75	RT	Load Forecast Uncertainty	PG&E	Fresno	8-Dec-09	83 - 600	Yes	INC	9	0:00	8:19	1195.54	$7,470	$1,364	($394,562)	48.75	($3,091)	$0	($933)	$0	$0
76	RT	Load Forecast Uncertainty	SCE	LA Basin	8-Dec-09	20 - 75	Yes	INC	19	5:00	23:59	6529.48	$109,815	$30,945	($548,401)	176.15	($9,983)	$0	($14)	$0	$0
77	RT	Load Forecast Uncertainty	SCE	N/A	8-Dec-09	40 - 80	Yes	INC	10	11:00	20:59	863.03	$23,659	$0	($53,331)	352.57	($24,512)	$0	$0	$0	$0
78	RT	Load Forecast Uncertainty	SDG&E	San Diego	8-Dec-09	45	No	INC	2	3:25	4:59	3.75	$0	$0	($223)	0.00	$0	$0	$0	$0	$0
79	RT	Loss of Unit	SCE	N/A	7-Dec-09	40	Yes	INC	7	13:00	19:59	661.31	$20,269	$0	($125,928)	0.00	$0	$0	$0	$0	$0
80	RT	Market Disruption	N/A	N/A	7-Dec-09	1345	Yes	INC	1	20:00	20:59	(200.00)	$0	$0	$56,145	(200.00)	$0	$56,145	$0	$0	$0
81	RT	Market Disruption	N/A	N/A	16-Dec-09	55 - 148	Yes	INC	3	21:00	23:59	90.00	$0	$0	($3,613)	90.00	($3,613)	$0	$0	$0	$0
82	RT	Market Disruption	N/A	N/A	21-Dec-09	479	Yes	INC	1	19:00	19:59	(75.00)	$0	$0	$0	(75.00)	$0	$0	$0	$0	$0
83	RT	Ramp Rate	PG&E	Bay Area	8-Dec-09	60	Yes	INC	5	16:05	20:59	318.74	$16,819	$0	($20,938)	64.84	($4,901)	$0	$0	$0	$0
84	RT	Ramp Rate	SCE	Big Creek-Ventura	8-Dec-09	26 - 126	Yes	DEC	8	10:15	17:59	(17.82)	$0	$0	$927	0.00	$0	$0	$0	$0	$0

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
85	RT	Ramp Rate	SCE	Big Creek-Ventura	8-Dec-09	50 - 100	Yes	INC	8	10:15	17:59	581.63	$17,232	$2,873	($38,226)	367.90	($25,892)	$0	$0	$0	$0
86	RT	Ramp Rate	SCE	LA Basin	3-Dec-09	190	Yes	INC	7	15:30	21:59	1174.07	$16,283	$0	($70,183)	515.49	($25,876)	$0	$0	$0	$0
87	RT	Ramp Rate	SCE	LA Basin	4-Dec-09	190	No	INC	2	16:07	17:59	222.25	$0	$0	($9,568)	153.00	($7,016)	$0	$0	$0	$0
88	RT	Ramp Rate	SCE	LA Basin	8-Dec-09	71 - 451	Yes	INC	7	13:05	19:59	2662.56	$27,891	$0	($156,730)	400.33	($21,585)	$0	$0	$0	$0
89	RT	Ramp Rate	SCE	LA Basin	12-Dec-09	71 - 261	Yes	INC	18	3:35	20:39	3288.92	$44,225	$21,404	($182,663)	1682.44	($92,005)	$0	$0	$0	$0
90	RT	Ramp Rate	SCE	LA Basin	17-Dec-09	65	Yes	INC	4	16:10	19:59	277.57	$8,012	$0	($15,677)	106.32	($6,257)	$0	$0	$0	$0
91	RT	Ramp Rate	SCE	N/A	8-Dec-09	100 - 200	Yes	INC	7	13:40	19:59	1075.63	$15,772	$0	($68,485)	592.53	($41,221)	$0	$0	$0	$0
92	RT	Ramp Rate	SDG&E	San Diego	19-Dec-09	107 - 172	No	DEC	6	16:35	21:59	(425.58)	$0	$0	$23,114	0.00	$0	$0	$0	$0	$0
93	RT	Ramp Rate	SDG&E	San Diego	19-Dec-09	48	No	INC	6	16:35	21:59	56.97	$0	$0	($2,902)	40.75	($1,975)	$0	$0	($244)	$0
94	RT	Ramp Rate	SDG&E	San Diego	20-Dec-09	132 - 198	No	DEC	8	14:40	21:59	(707.64)	$0	$0	$34,881	0.00	$0	$0	$0	$0	$0
95	RT	Ramp Rate	SDG&E	San Diego	20-Dec-09	48	No	INC	8	14:40	21:59	131.30	$0	$0	($4,166)	136.74	($4,412)	$0	$0	($3,328)	$0
96	RT	SCE Imports	SCE	LA Basin	23-Dec-09	50 - 100	No	INC	2	16:30	17:29	75.08	$0	$0	($9,465)	64.06	($4,471)	$0	$0	($833)	$0
97	RT	SDG&E Capacity	SDG&E	San Diego	23-Dec-09	200	Yes	INC	7	0:00	6:59	3132.56	$63,762	$0	($128,339)	0.00	$0	$0	$0	$0	$0
98	RT	Software Limitation	PG&E	Bay Area	8-Dec-09	200 - 345	Yes	DEC	14	1:00	14:59	(1790.79)	$0	$0	$94,007	(1364.55)	$0	$69,770	$0	$0	$0
99	RT	Software Limitation	PG&E	Bay Area	8-Dec-09	0	Yes	INC	5	1:00	5:19	(8.33)	$0	$0	$543	0.00	$0	$0	$0	$0	$0
100	RT	Software Limitation	PG&E	Bay Area	9-Dec-09	45	Yes	INC	1	23:00	23:59	43.19	$3,487	$0	($1,663)	0.00	$0	$0	$0	$0	$0
101	RT	Software Limitation	PG&E	Fresno	6-Dec-09	79 - 81	Yes	DEC	2	17:30	18:14	(137.33)	$0	$0	$6,793	0.00	$0	$0	$0	$0	$0
102	RT	Software Limitation	PG&E	Fresno	8-Dec-09	0	Yes	INC	2	9:30	10:29	0.22	$0	$0	($14)	0.00	$0	$0	$0	$0	$0
103	RT	Software Limitation	PG&E	Fresno	9-Dec-09	0	Yes	INC	2	11:30	12:29	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
104	RT	Software Limitation	PG&E	Fresno	11-Dec-09	94	Yes	INC	3	16:45	18:14	147.61	$997	$184	($9,342)	14.78	($882)	$0	$0	$0	$0
105	RT	Software Limitation	PG&E	Fresno	12-Dec-09	0	Yes	INC	2	3:30	4:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
106	RT	Software Limitation	PG&E	Fresno	17-Dec-09	0	No	INC	3	3:40	5:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
107	RT	Software Limitation	PG&E	Fresno	26-Dec-09	0	Yes	INC	7	1:55	7:59	(8.37)	$0	$0	$526	0.00	$0	$0	$0	$0	$0
108	RT	Software Limitation	PG&E	Fresno	30-Dec-09	0	No	INC	5	19:00	23:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
109	RT	Software Limitation	PG&E	Humboldt	10-Dec-09	15	No	DEC	1	21:25	21:54	(8.96)	$0	$0	$405	(2.50)	$0	$113	$0	$0	$0
110	RT	Software Limitation	PG&E	Humboldt	15-Dec-09	0	Yes	INC	2	22:45	23:59	0.42	$0	$0	($18)	0.00	$0	$0	$0	$0	$0
111	RT	Software Limitation	PG&E	N/A	30-Dec-09	0	Yes	INC	5	19:00	23:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
112	RT	Software Limitation	PG&E	Sierra	16-Dec-09	0	Yes	INC	6	0:25	5:59	3.34	$554	$0	($148)	0.00	$0	$0	$0	$0	$0
113	RT	Software Limitation	SCE	Big Creek-Ventura	8-Dec-09	156	Yes	DEC	1	18:00	18:34	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
114	RT	Software Limitation	SCE	Big Creek-Ventura	8-Dec-09	20 - 40	Yes	INC	18	6:55	23:59	584.04	$22,545	$3,939	($57,389)	97.15	($6,810)	$0	$0	$0	$0

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
115	RT	Software Limitation	SCE	Big Creek-Ventura	10-Dec-09	0	Yes	INC	3	0:30	2:39	0.00	$596	$0	$0	0.00	$0	$0	$0	$0	$0
116	RT	Software Limitation	SCE	Big Creek-Ventura	30-Dec-09	0	No	INC	5	19:00	23:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
117	RT	Software Limitation	SCE	LA Basin	3-Dec-09	20	Yes	INC	3	21:00	23:59	356.18	$8,040	$0	($17,454)	0.00	$0	$0	$0	$0	$0
118	RT	Software Limitation	SCE	LA Basin	4-Dec-09	20	Yes	INC	3	21:00	23:59	91.40	$8,040	$0	($3,971)	0.00	$0	$0	$0	$0	$0
119	RT	Software Limitation	SCE	LA Basin	5-Dec-09	20	Yes	INC	10	14:00	23:59	424.05	$12,810	$0	($22,121)	0.00	$0	$0	$0	$0	$0
120	RT	Software Limitation	SCE	LA Basin	7-Dec-09	46 - 139	Yes	DEC	2	11:55	12:24	(67.00)	$0	$0	$3,379	(53.83)	$0	$2,687	$0	$0	$0
121	RT	Software Limitation	SCE	LA Basin	7-Dec-09	0	Yes	INC	1	23:40	23:59	0.00	$0	$34	$0	0.00	$0	$0	$0	$0	$0
122	RT	Software Limitation	SCE	LA Basin	8-Dec-09	40	Yes	INC	24	0:00	23:59	616.84	$33,956	$0	($40,941)	88.51	($4,370)	$0	($758)	$0	$0
123	RT	Software Limitation	SCE	LA Basin	12-Dec-09	20	Yes	INC	3	21:57	23:59	51.13	$5,225	$8,921	($2,420)	0.00	$0	$0	$0	$0	$0
124	RT	Software Limitation	SCE	LA Basin	17-Dec-09	0	Yes	INC	2	21:40	22:09	0.00	$250	$183	$0	0.00	$0	$0	$0	$0	$0
125	RT	Software Limitation	SCE	LA Basin	28-Dec-09	20	No	INC	3	21:00	23:59	(7.36)	$0	$0	$457	0.00	$0	$0	$0	$0	$0
126	RT	Software Limitation	SCE	LA Basin	30-Dec-09	0	Yes	INC	10	14:25	23:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
127	RT	Software Limitation	SCE	N/A	8-Dec-09	0	Yes	INC	7	2:30	8:29	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
128	RT	Software Limitation	SCE	N/A	30-Dec-09	0	No	INC	5	19:00	23:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
129	RT	Software Limitation	SDG&E	N/A	30-Dec-09	0	Yes	INC	5	19:00	23:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
130	RT	Software Limitation	SDG&E	San Diego	7-Dec-09	330	Yes	DEC	2	21:40	22:59	60.25	$0	$0	($2,572)	0.00	$0	$0	$0	$0	$0
131	RT	Software Limitation	SDG&E	San Diego	8-Dec-09	1 - 75	Yes	DEC	14	10:55	23:59	(135.90)	$0	$0	$6,878	0.00	$0	$0	$0	$0	$0
132	RT	Software Limitation	SDG&E	San Diego	8-Dec-09	30	Yes	INC	24	0:15	23:59	32.70	$2,940	$61	($1,322)	0.00	$0	$0	$0	$0	$0
133	RT	Software Limitation	SDG&E	San Diego	16-Dec-09	0	Yes	INC	10	14:15	23:54	8.69	$440	$99	($344)	0.00	$0	$0	$0	$0	$0
134	RT	Software Limitation	SDG&E	San Diego	17-Dec-09	0	Yes	INC	1	22:15	22:44	3.75	$0	$0	($186)	0.00	$0	$0	$0	$0	$0
135	RT	Software Limitation	SDG&E	San Diego	30-Dec-09	0	No	INC	5	19:00	23:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
136	RT	Spin Procurement	PG&E	Fresno	9-Dec-09	83	Yes	INC	3	9:45	11:14	129.79	$9,960	$0	($8,432)	0.00	$0	$0	$0	$0	$0
137	RT	System Energy	N/A	N/A	3-Dec-09	375	Yes	INC	1	16:00	16:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
138	RT	System Energy	N/A	N/A	9-Dec-09	100	No	DEC	1	6:00	6:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
139	RT	System Energy	N/A	N/A	9-Dec-09	350	Yes	INC	1	6:00	6:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
140	RT	System Energy	N/A	N/A	10-Dec-09	268	Yes	INC	1	6:00	6:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
141	RT	System Energy	N/A	N/A	11-Dec-09	300	Yes	INC	1	6:00	6:59	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
142	RT	System Energy	N/A	N/A	16-Dec-09	630	Yes	INC	1	16:00	16:59	65.00	$0	$0	($3,638)	65.00	($3,638)	$0	($566)	$0	$0
143	RT	System Energy	N/A	N/A	23-Dec-09	607	Yes	INC	1	16:00	16:59	32.00	$0	$0	($726)	32.00	($726)	$0	$0	$0	$0
144	RT	System Energy	PG&E	Fresno	7-Dec-09	83 - 934	Yes	INC	7	17:58	23:59	549.30	$1,245	$13	($116,723)	22.02	($1,881)	$0	($51)	$0	$0
145	RT	System Energy	PG&E	Stockton	7-Dec-09	80 - 160	Yes	INC	3	17:31	19:59	290.05	$1,514	$0	($104,015)	5.94	($1,295)	$0	($21)	$0	$0
146	RT	System Energy	SCE	Big Creek-Ventura	7-Dec-09	64	Yes	INC	2	18:14	19:09	64.62	$10,451	$230	($18,901)	0.00	$0	$0	$0	$0	$0

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
147	RT	System Energy	SCE	LA Basin	7-Dec-09	305	Yes	DEC	1	18:10	18:59	(5.46)	$0	$0	$1,515	0.00	$0	$0	$0	$0	$0
148	RT	System Energy	SCE	LA Basin	7-Dec-09	20 - 310	Yes	INC	7	17:54	23:34	357.66	$6,379	$696	($127,684)	20.42	($5,910)	$0	$0	$0	$0
149	RT	System Energy	SCE	LA Basin	9-Dec-09	150	No	DEC	1	16:00	16:59	(98.43)	$0	$0	$5,095	0.00	$0	$0	$0	$0	$0
150	RT	System Energy	SCE	LA Basin	9-Dec-09	0	No	INC	1	15:25	15:29	0.00	$0	$0	$0	0.00	$0	$0	$0	$0	$0
151	RT	System Energy	SCE	LA Basin	13-Dec-09	20	Yes	INC	24	0:00	23:59	479.78	$92,256	$0	($18,142)	2.81	($117)	$0	($50)	$0	$0
152	RT	System Energy	SCE	N/A	7-Dec-09	245	Yes	INC	4	20:30	23:59	555.85	$0	$0	($35,215)	293.49	($8,655)	$0	($9,079)	$0	$0
153	RT	System Energy	SCE	N/A	8-Dec-09	245	Yes	INC	1	0:00	0:44	143.63	$0	$0	($7,415)	44.11	($1,892)	$0	($231)	$0	$0
154	RT	System Energy	SDG&E	San Diego	7-Dec-09	159	Yes	INC	4	18:03	21:59	232.87	$4,555	$788	($56,660)	67.73	($10,571)	$0	($15,943)	$0	$0
155	RT	System Energy	SDG&E	San Diego	8-Dec-09	46	Yes	INC	15	7:05	21:59	688.02	$35,709	$1,139	($59,524)	107.49	($7,211)	$0	$0	$0	$0
156	RT	T-103	SCE	LA Basin	9-Dec-09	30 - 50	Yes	INC	3	21:00	23:59	224.08	$24,125	$0	($11,766)	0.00	$0	$0	$0	$0	$0
157	RT	T-103	SCE	LA Basin	11-Dec-09	91	Yes	INC	24	0:00	23:59	2426.46	$120,384	$0	($126,787)	0.00	$0	$0	$0	$0	$0
158	RT	T-103	SCE	LA Basin	12-Dec-09	20	Yes	INC	24	0:00	23:59	3642.55	$60,120	$0	($198,684)	1433.17	($77,050)	$0	$0	$0	$0
159	RT	T-103	SCE	LA Basin	20-Dec-09	20	Yes	INC	18	6:00	23:59	529.56	$69,192	$38,041	($33,314)	1.06	($51)	$0	$0	$0	$0
160	RT	T-132	SDG&E	N/A	8-Dec-09	17 - 215	No	DEC	9	6:40	14:19	(1157.00)	$0	$0	$76,715	(806.14)	$0	$64,048	$0	($44,032)	$0
161	RT	T-132	SDG&E	N/A	8-Dec-09	0	No	INC	3	6:40	8:09	(21.76)	$0	$0	$6,883	0.00	$0	$0	$0	$0	$0
162	RT	T-132	SDG&E	San Diego	2-Dec-09	46	Yes	INC	2	17:30	18:59	68.76	$2,708	$450	($2,846)	11.19	($463)	$0	$0	($368)	$0
163	RT	T-138	PG&E	Humboldt	7-Dec-09	5 - 25	No	DEC	18	6:45	23:54	(68.68)	$0	$0	$3,465	0.00	$0	$0	$0	$0	$0
164	RT	T-138	PG&E	Humboldt	7-Dec-09	10	No	INC	17	7:10	23:54	87.45	$0	$0	($6,200)	77.27	($4,049)	$0	$0	($1,970)	$0
165	RT	T-138	PG&E	Humboldt	8-Dec-09	5 - 20	No	DEC	12	11:05	22:59	(102.01)	$0	$0	$6,122	0.00	$0	$0	$0	$0	$0
166	RT	T-138	PG&E	Humboldt	8-Dec-09	22	No	INC	18	4:25	21:59	259.58	$0	$0	($27,134)	119.53	($7,983)	$0	$0	($7,294)	$0
167	RT	T-138	PG&E	Humboldt	10-Dec-09	10	No	DEC	3	19:35	21:09	(17.60)	$0	$0	$1,103	0.00	$0	$0	$0	$0	$0
168	RT	T-138	PG&E	Humboldt	13-Dec-09	0	No	INC	3	18:25	20:59	(0.94)	$0	$0	$54	0.00	$0	$0	$0	$0	$0
169	RT	T-138	PG&E	Humboldt	14-Dec-09	10	Yes	DEC	3	19:37	21:08	(17.08)	$0	$0	$2,316	0.00	$0	$0	$0	$0	$0
170	RT	T-138	PG&E	Humboldt	24-Dec-09	5	Yes	INC	2	22:00	23:59	6.25	$0	$0	($2,639)	0.00	$0	$0	$0	$0	$0
171	RT	Thermal Margin	PG&E	Bay Area	10-Dec-09	45	Yes	INC	24	0:00	23:59	2146.48	$86,772	$0	($132,958)	0.00	$0	$0	$0	$0	$0
172	RT	Thermal Margin	SCE	LA Basin	10-Dec-09	25	Yes	INC	23	1:00	23:59	580.60	$53,199	$0	($31,277)	0.00	$0	$0	$0	$0	$0
173	RT	Thermal Margin	SCE	LA Basin	11-Dec-09	25	Yes	INC	24	0:00	23:59	1056.77	$55,512	$0	($56,972)	0.00	$0	$0	$0	$0	$0
174	RT	Transmission Outage PG&E	PG&E	Bay Area	9-Dec-09	2 - 86	No	DEC	13	10:45	22:34	(375.48)	$0	$0	$13,405	(349.17)	$0	$12,591	$0	($4,432)	$0
175	RT	Transmission Outage PG&E	PG&E	Bay Area	9-Dec-09	45	No	INC	7	10:45	16:19	3.77	$0	$0	($171)	0.00	$0	$0	$0	$0	$0

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
176	RT	Transmission Outage PG&E	PG&E	Bay Area	10-Dec-09	20 - 81	No	DEC	11	11:10	21:44	(298.13)	$0	$0	$18,427	(276.05)	$0	$17,315	$0	($2,042)	$0
177	RT	Transmission Outage PG&E	PG&E	Bay Area	10-Dec-09	1 - 6	No	INC	11	11:10	21:59	(2.28)	$0	$0	($4,418)	0.00	$0	$0	$0	$0	$0
178	RT	Transmission Outage PG&E	PG&E	Bay Area	11-Dec-09	21 - 25	No	DEC	3	17:35	19:59	(31.90)	$0	$0	($1,478)	(23.60)	$0	($1,076)	$0	$0	$0
179	RT	Transmission Outage PG&E	PG&E	Bay Area	11-Dec-09	5	No	INC	3	17:35	19:59	(0.63)	$0	$0	($18)	0.00	$0	$0	$0	$0	$0
180	RT	Transmission Outage PG&E	PG&E	Bay Area	22-Dec-09	147 - 170	No	INC	3	21:28	23:58	169.43	$0	$0	($7,536)	0.00	$0	$0	$0	$0	$0
181	RT	Transmission Outage PG&E	PG&E	Bay Area	23-Dec-09	8 - 46	No	DEC	24	0:00	23:58	(217.52)	$0	$0	$8,635	(118.28)	$0	$4,671	$0	($3,992)	$0
182	RT	Transmission Outage PG&E	PG&E	Bay Area	23-Dec-09	1 - 230	No	INC	24	0:00	23:58	271.11	$0	$0	($13,384)	0.00	$0	$0	$0	$0	$0
183	RT	Transmission Outage PG&E	PG&E	Humboldt	5-Dec-09	5 - 10	No	DEC	3	14:10	16:04	0.00	$0	$0	$1	0.00	$0	$0	$0	$0	$0
184	RT	Transmission Outage PG&E	PG&E	Humboldt	5-Dec-09	35	Yes	INC	18	6:25	23:29	331.56	$5,291	$69	($15,043)	302.63	($13,643)	$0	$0	($7,070)	$0
185	RT	Transmission Outage PG&E	PG&E	Humboldt	6-Dec-09	5	No	DEC	5	16:20	20:59	0.36	$0	$0	($16)	0.00	$0	$0	$0	$0	$0
186	RT	Transmission Outage PG&E	PG&E	Humboldt	6-Dec-09	5 - 35	Yes	INC	15	6:20	20:59	433.62	$0	$0	($18,217)	334.75	($13,835)	$0	$0	($34,037)	$0
187	RT	Transmission Outage PG&E	PG&E	NCNB	1-Dec-09	4 - 9	No	DEC	5	17:25	21:59	(37.31)	$0	$0	$1,731	(36.08)	$0	$1,668	$0	($1,417)	$0
188	RT	Transmission Outage PG&E	PG&E	NCNB	2-Dec-09	5 - 22	No	DEC	6	16:46	21:59	(96.44)	$0	$0	$4,548	(96.34)	$0	$4,542	$0	($4,376)	$0
189	RT	Transmission Outage PG&E	PG&E	NCNB	3-Dec-09	10	No	DEC	2	16:55	17:19	(3.84)	$0	$0	$187	(3.73)	$0	$182	$0	$0	$0
190	RT	Transmission Outage PG&E	PG&E	Sierra	8-Dec-09	15 - 50	No	DEC	13	9:45	21:49	(247.21)	$0	$0	$14,876	(243.33)	$0	$14,655	$0	($8,236)	$0
191	RT	Transmission Outage PG&E	PG&E	Sierra	9-Dec-09	25	No	DEC	3	16:55	18:29	(35.06)	$0	$0	$2,064	(39.32)	$0	$2,315	$0	($1,170)	$0
192	RT	Transmission Outage PG&E	PG&E	Sierra	15-Dec-09	20	No	INC	6	7:00	12:29	107.81	$0	$0	($5,420)	107.79	($5,419)	$0	$0	($74)	$0
193	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	2-Dec-09	130	Yes	INC	5	9:25	13:44	302.44	$6,194	$632	($13,426)	254.06	($11,330)	$0	$0	($10,230)	$0
194	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	3-Dec-09	20 - 215	Yes	INC	13	5:00	17:09	1717.52	$20,992		($71,014)	1378.84	($56,622)	$0	$0	($33,745)	$0
195	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	16-Dec-09	20	No	INC	1	16:00	16:59	(4.09)	$0	$0	$686	0.00	$0	$0	$0	$0	$0
196	RT	Transmission Outage SCE	SCE	LA Basin	1-Dec-09	80 - 420	No	DEC	6	18:35	23:59	(462.39)	$0	$0	$18,493	0.00	$0	$0	$0	$0	$0
197	RT	Transmission Outage SCE	SCE	LA Basin	1-Dec-09	200	No	INC	24	0:00	23:59	1161.42	$0	$0	($29,636)	823.33	($20,712)	$0	$0	($8,158)	$0
198	RT	Transmission Outage SCE	SCE	LA Basin	2-Dec-09	40 - 450	No	DEC	24	0:00	23:59	(923.28)	$0	$0	$31,416	0.00	$0	$0	$0	$0	$0
199	RT	Transmission Outage SCE	SCE	LA Basin	2-Dec-09	200	No	INC	24	0:00	23:59	911.76	$0	$0	($27,605)	585.83	($16,515)	$0	$0	($3,479)	$0
200	RT	Transmission Outage SCE	SCE	LA Basin	4-Dec-09	121 - 450	No	DEC	24	0:00	23:59	(1143.16)	$0	$0	$44,998	0.00	$0	$0	$0	$0	$0
201	RT	Transmission Outage SCE	SCE	LA Basin	4-Dec-09	206	No	INC	24	0:00	23:59	1120.99	$0	$0	($43,541)	90.00	($3,023)	$0	$0	($88)	$0
202	RT	Transmission Outage SCE	SCE	LA Basin	28-Dec-09	128 - 132	Yes	INC	5	8:30	12:09	184.81	$0	$0	($9,086)	188.82	($9,273)	$0	$0	($5,088)	$0
203	RT	Transmission Outage SDG&E	SDG&E	San Diego	7-Dec-09	36 - 82	Yes	INC	5	15:00	19:59	240.43	$11,358	$948	($32,032)	22.99	($1,458)	$0	$0	($21)	$0
204	RT	Transmission Outage SDG&E	SDG&E	San Diego	9-Dec-09	20 - 70	Yes	INC	17	7:00	23:59	481.55	$19,594	$12,507	($24,30	137.82	($6,716)	$0	$0	($1,590)	$0

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
		SDG&E													3)						
205	RT	Transmission Outage SWPL	SCE	Big Creek-Ventura	8-Dec-09	20	Yes	INC	9	9:00	17:59	413.06	$14,584	$1,662	($28,821)	229.55	($17,146)	$0	$0	$0	$0
206	RT	Unit Testing	N/A	N/A	3-Dec-09	1	Yes	INC	1	15:00	15:09	0.08	$0	$0	($3)	0.00	$0	$0	$0	$0	$0
207	RT	Unit Testing	PG&E	Bay Area	16-Dec-09	0	No	INC	7	9:45	15:04	25.41	$0	$0	($1,604)	0.00	$0	$0	$0	$0	$0

Appendix A: Explanation by Example

All examples listed below are based on fictitious data. Many simplified assumptions are made to explain settlement charge codes, and not all assumptions are explicitly stated in these examples. For instance settlement charge codes are calculated based on metered quantities, whereas, in these examples the dispatch quantities are assumed to be equal to metered quantities. These assumptions have been made to 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-206. Similarly, the ISO issued additional instructions to resources B and C for the same reason as shown in Table 2. Generally exceptional dispatches prior to the day-ahead market are commitments to minimum load. In this case the dispatch levels are all at minimum load. Table 2 below also shows the commitment costs and the total volume (MWh) of exceptional dispatch instruction for each resource. The minimum load costs and start up costs shown in Table 2 are the eligible minimum load and start up costs which are different from the bid-in minimum load and start up costs[9]. Only those quantities which are relevant to pre-day-ahead unit commitments are shown in this table.

Table 2: Instructions Prior to Day-Ahead Market

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

This data is summarized as shown in Table 3, which is the prescribed format specified in the FERC order on September 02, 2009. This summary classifies the data by reason, resource location, local reliability area, and trade date. The MW column in Table 3 is the range of MW; in this case the minimum instruction MW is 20 MW for resource C which occurs from hours ending 21 through 23. The maximum instruction occurs in hour ending 10. In this hour resource A is committed at 50 MW, resource B is committed at 30 MW and resource C is committed at 20 MW. This adds up to 100 MW. Thus the MW column shows the minimum and maximum of the overlaps of all the exceptional dispatch instructions. The commitment column shows whether a resource was committed between the begin time and end time. Commitments are broken out separately from energy dispatches. In the day-ahead, however the exceptional dispatches are nearly always just commitments, as in this example. The begin time shows hour ending 5 as this was the hour ending for first dispatch of the day, and the end time shows hour ending 23, as this was the hour with last dispatch. It is also possible that there might be some hours between the begin time and the end time where there might not be exceptional dispatch instructions for the given reason, meaning that the range between the Begin Time and End Time can include null hours with no dispatch. The total volume (MWh) is the sum of MWh quantity for each resource, which adds up to 990 MWh. Similarly, all cost information is sum of individual resource costs. It is possible that some resource bid-in zero start-up cost; as seen in this example, resource A bid in zero for its start up cost. Since the ISO does not explicitly pay a resource for bid-in minimum load costs and start-up costs; these costs are recovered through the charge code CC6620 (Bid cost Recovery), this table shows the summary of CC6620 for the classification. In this case it is the sum of CC6620 for all three resources which adds up to $5000. This column shows the impact of exceptional dispatch on bid cost recovery for all pre-day-ahead exceptional dispatch commitments.

Table 3: FERC Summary of Instructions Prior to DAM

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time	Total Volume (MWh)	Min-Load Cost	Start-Up Cost	CC6620
1	DA	G-219	SCE	LA Basin	1-Jul-09	20-100	Yes	N/A	19	05:00	23:00	990	$11,400	$1,500	$5000

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

Example 2: Incremental Exceptional Dispatch Instructions in RTM

In this fictitious example the ISO issued an exceptional dispatch instruction to resource A to be committed at its Pmin of 30 MW from hours ending 7 through 11 after completion of the day-ahead market for the transmission procedure T-138. This resource did not have a day-ahead award in those hours. The ISO issued another exceptional dispatch instruction to resource B, to be dispatched at 40 MW from hours ending 8 through 9 in real-time for the transmission procedure T-138. This resource had a day-ahead schedule of 20 MW from the day-ahead market, which implies that this exceptional dispatch instruction was an incremental instruction and the exceptional dispatch MW was 20 MW. Similarly, the details of exceptional dispatch (ED) instruction for resource C is shown in Table 4. This table also shows volume (MWh) and various real-time charge codes associated with the exceptional dispatch instructions. The total MWh column for each resource shows the sum of all types of imbalance energy quantities for this resource between the begin time and end time which includes both the exceptional dispatch energy quantities and optimal energy quantities.

The resource A was committed at its Pmin so its total volume (MWh) is equal to its pmin times the number of hours, which is calculated as 30 MW times 6 hours and is equal to 180 MWh. The resource Minimum load costs and the start up costs are its eligible commitment costs for that period. LMP at this resource is $10/MWh 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 Day-Ahead market there is no minimum load quantity and start up costs associated with this resource. The resource had a bid price of $100/MWh and the LMP at that resource was $10/MWh. All of 60 MWh is considered as exceptional dispatch incremental quantity which is shown in ED Volume (MWH INC/DEC) column. The charge code CC6470 INC is calculated as 60 MWh * resource LMP ($10/MWh) which is equal to $600. Since the only imbalance energy in this timeframe was the exceptional dispatch volume, the charge code CC6470 is equal to CC6470 INC. The charge code CC6488 is calculated as MWH quantity *(bid price – LMP), which is equal to $5400 (60 MWh *($10/MWh-$100/MWh)). Similarly, volumes and real-time charge codes are calculated for resource C.

Table 4: Incremental Exceptional Dispatch Instructions in RTM

Date	Market	Resource	Location	Local Reliability Area (LRA)	Begin time	End Time	Dispatch level (MW)	Day-Ahead Award (MW)	Commitment	INC/DEC	ED (MW)	Reason	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488
1-Jul-09	RT	A	PG&E	Humboldt	6:00	11:00	30	0	Yes	INC	30	t-138	180	1000	50	800	60	600	0	0	5400
1-Jul-09	RT	B	PG&E	Humboldt	7:00	9:00	40	20	No	INC	20	t-138	60	0	0	600	60	600	0	0	5400
1-Jul-09	RT	C	PG&E	Humboldt	12:00	15:00	50	50	No	INC	0	t-138	0	0	0	0	0	0	0	0	0
1-Jul-09	RT	C	PG&E	Humboldt	16:00	20:00	50	40	No	INC	10	t-138	50	0	0	300	20	300	0	0	200

This data is summarized as shown in Table 5 and is classified by reason, resource location, local reliability area, and trade date. The MW column in Table 5 is the range of MW; in this case the minimum instruction MW is 0 MW for resource C which occurs from hours ending 13 through 15. The maximum instruction occurs in hours ending 8 & 9, as during these two hours both resources A and B have an ED MW of 30MW and 20MW, respectively. This adds up to 50 MW. Thus the MW column shows the minimum and maximum of the overlaps of all the Exceptional dispatch instructions. The commitment column shows whether a resource was committed between the begin time and end time. This column shows a commitment if there was a single commitment in the entire interval of exceptional dispatch. The begin time shows the time of the first dispatch of the day. This is a time not a range. Similarly the End Time shows a time and not a range. Exceptional dispatches occurred between these two times. Since there was a commitment between the begin time and end time then the commitment column displays yes for the summary. Similarly, the INC/DEC column shows an INC as there was an incremental dispatch between the begin time and end time. As mentioned in the previous example it is possible that there might be some hours between the begin time and end time where there were no exceptional dispatch instructions for the given reason. Both volume and cost information columns are simply the summation for all the respective columns for resource A, B and C. For instance the Total volume (MWh) column is calculated as summation of 180,60,0 and 50 which are the individual volumes (MWh) for resources A, B and C for time periods shown in Table 4 on the previous page.

Table 5: FERC Summary of ED Instructions in RTM

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488
1	RT	T-138	PG&E	Humboldt	1-Jul-09	0-50	Yes	INC	15	6:00	20:00	290	1000	50	1700	140	1500	0	0	11000

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

Example 3: Decremental Exceptional Dispatch Instructions in RTM

This example highlights decremental exceptional dispatch instructions in the real-time market. In this fictitious example the ISO issued an exceptional dispatch instruction to resource A to be committed at its Pmin of 20 MW from hours ending 15 through 20 after completion of the day-ahead market for the transmission procedure T-129. The ISO issued additional exceptional dispatch instructions for resources B and C; details of those instructions are shown in Table 6. This table also includes volume (MWh) and cost information.

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

Table 6: Decremental Exceptional Dispatch Instructions in RTM

Date	Market Type	Resource	Location	Local Reliability Area (LRA)	Begin time	End Time	Dispatch level (MW)	Day-Ahead Award (MW)	Commitment	INC/DEC	ED (MW)	Reason	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488
1-Jul-09	RT	A	PG&E	Fresno	15:00	20:00	20	0	Yes	INC	20	t-129	120	$ 120	$ 100	$ -	0	$ -	$ -	$ -	$ -
1-Jul-09	RT	B	PG&E	Fresno	7:00	9:00	40	60	No	DEC	20	t-129	(60)	$ -	$ -	$ 600	-60	$ -	$ 600	$ -	$2,400
1-Jul-09	RT	C	PG&E	Fresno	10:00	14:00	40	50	No	DEC	10	t-129	(50)	$ -	$ -	$ 500	-50	$ -	$ 500	$ -	$2,000

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

Table 7: FERC Summary of Decremental ED Instructions in RTM

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488
1	RT	T-129	PG&E	Fresno	1-Jul-09	20	Yes	INC	6	15:00	20:00	120	$ 120	$ 100	$ -	0	$ -	$ -	$ -	$ -
2	RT	T-129	PG&E	Fresno	1-Jul-09	10-20	Yes	DEC	8	7:00	14:00	(110)	$ -	$ -	$ (1,100)	(110)	$ -	$ (1,100)	$ -	$ (4,400)

Appendix B: Price Impact Analysis

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

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

- Exceptional dispatch information: constrained level, constraint type, start of exceptional dispatch instruction and end of exceptional dispatch instruction.
- Real-Time LMPs for each of the five minute 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 8928 five-minute intervals in December, this resource was issued exceptional dispatch instructions in 747 five-minute intervals. It was eligible to set the LMP in 711 intervals of the 747 intervals. The resource calculated LMP was less than the market LMP in 81 out of the 711 intervals, and in the rest of the 630 intervals, the average increase in five minute LMP was $32.79/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 $32.79/MWh. Note that 630 five minute intervals in December are approximately 7.1 percent of the total 8928 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 8928 five minute intervals, this resource was issued an exceptional dispatch instruction in 1256 five minute intervals. This resource was eligible to set the LMP in 1208 intervals. The resource calculated LMP was less than the market LMP in 486 out of the 1208 intervals, and in the rest of the 722 intervals the average increase in five minute LMP was $8.49/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 $8.49/MWh. In the month of December, the 722 five minute intervals account for approximately 8.1 percent of the total 8928 five minute intervals.

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

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1	5-Dec-09	7	6	$39.75	Yes	$79.27	$39.52
2	5-Dec-09	7	7	$43.41	Yes	$79.27	$35.86
3	5-Dec-09	7	8	$43.60	Yes	$79.27	$35.67
4	5-Dec-09	7	9	$44.09	Yes	$79.27	$35.18
5	5-Dec-09	7	10	$42.09	Yes	$80.70	$38.61
6	5-Dec-09	7	11	$42.09	Yes	$80.70	$38.61
7	5-Dec-09	7	12	$42.09	Yes	$80.70	$38.61
8	5-Dec-09	8	1	$37.35	Yes	$80.70	$43.35
9	5-Dec-09	8	2	$36.37	Yes	$80.70	$44.33
10	5-Dec-09	8	3	$38.25	Yes	$80.70	$42.45
11	5-Dec-09	8	4	$38.54	Yes	$80.70	$42.16
12	5-Dec-09	8	5	$36.93	Yes	$82.93	$46.00
13	5-Dec-09	8	6	$38.54	Yes	$82.93	$44.39
14	5-Dec-09	8	7	$38.08	Yes	$82.93	$44.85
15	5-Dec-09	8	8	$39.35	Yes	$82.93	$43.58
16	5-Dec-09	8	9	$40.04	Yes	$82.93	$42.89
17	5-Dec-09	8	10	$42.75	Yes	$82.93	$40.18
18	5-Dec-09	8	11	$50.69	Yes	$82.93	$32.24
19	5-Dec-09	8	12	$49.39	Yes	$82.93	$33.54
20	5-Dec-09	9	1	$44.06	Yes	$82.93	$38.87
21	5-Dec-09	9	2	$44.06	Yes	$82.93	$38.87
22	5-Dec-09	9	3	$44.06	Yes	$82.93	$38.87
23	5-Dec-09	9	4	$44.22	Yes	$82.93	$38.71
24	5-Dec-09	9	5	$44.22	Yes	$82.93	$38.71
25	5-Dec-09	9	6	$44.84	Yes	$82.93	$38.09
26	5-Dec-09	9	7	$45.29	Yes	$82.93	$37.64
27	5-Dec-09	9	8	$45.29	Yes	$82.93	$37.64
28	5-Dec-09	9	9	$41.28	Yes	$82.93	$41.65
29	5-Dec-09	9	10	$44.56	Yes	$82.93	$38.37
30	5-Dec-09	9	11	$45.32	Yes	$82.93	$37.61
31	5-Dec-09	9	12	$51.47	Yes	$82.93	$31.46
32	5-Dec-09	10	1	$45.50	Yes	$82.93	$37.43
33	5-Dec-09	10	2	$45.50	Yes	$82.93	$37.43
34	5-Dec-09	10	3	$49.10	Yes	$82.93	$33.83
35	5-Dec-09	10	4	$45.85	Yes	$82.93	$37.08
36	5-Dec-09	10	5	$50.17	Yes	$82.93	$32.76
37	5-Dec-09	10	6	$51.83	Yes	$82.93	$31.10
38	5-Dec-09	10	7	$51.84	Yes	$82.93	$31.09
39	5-Dec-09	10	8	$51.84	Yes	$82.93	$31.09
40	5-Dec-09	10	9	$51.84	Yes	$82.93	$31.09
41	5-Dec-09	10	10	$51.81	Yes	$82.93	$31.12
42	5-Dec-09	10	11	$55.08	Yes	$82.93	$27.85

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
43	5-Dec-09	10	12	$55.08	Yes	$82.93	$27.85
44	5-Dec-09	11	1	$53.14	Yes	$82.93	$29.79
45	5-Dec-09	11	2	$52.21	Yes	$82.93	$30.72
46	5-Dec-09	11	3	$45.89	Yes	$82.93	$37.04
47	5-Dec-09	11	4	$45.84	Yes	$82.93	$37.09
48	5-Dec-09	11	5	$45.84	Yes	$82.93	$37.09
49	5-Dec-09	11	6	$46.50	Yes	$82.93	$36.43
50	5-Dec-09	11	7	$49.31	Yes	$82.93	$33.62
51	5-Dec-09	11	8	$49.30	Yes	$82.93	$33.63
52	5-Dec-09	11	9	$49.30	Yes	$82.93	$33.63
53	5-Dec-09	11	10	$44.78	Yes	$82.93	$38.15
54	5-Dec-09	11	11	$44.78	Yes	$82.93	$38.15
55	5-Dec-09	11	12	$44.52	Yes	$82.93	$38.41
56	5-Dec-09	12	1	$44.49	Yes	$82.93	$38.44
57	5-Dec-09	12	2	$37.98	Yes	$82.93	$44.95
58	5-Dec-09	12	3	$37.98	Yes	$82.93	$44.95
59	5-Dec-09	12	4	$37.11	Yes	$82.93	$45.82
60	5-Dec-09	12	5	$49.05	Yes	$82.93	$33.88
61	5-Dec-09	12	6	$49.15	Yes	$82.93	$33.78
62	5-Dec-09	12	7	$48.96	Yes	$82.93	$33.97
63	5-Dec-09	12	8	$47.24	Yes	$82.93	$35.69
64	5-Dec-09	12	9	$44.48	Yes	$82.93	$38.45
65	5-Dec-09	12	10	$37.38	Yes	$82.93	$45.55
66	5-Dec-09	12	11	$37.74	Yes	$82.93	$45.19
67	5-Dec-09	12	12	$37.20	Yes	$82.93	$45.73
68	5-Dec-09	13	1	$43.72	Yes	$82.93	$39.21
69	5-Dec-09	13	2	$41.78	Yes	$82.93	$41.15
70	5-Dec-09	13	3	$42.79	Yes	$82.93	$40.14
71	5-Dec-09	13	4	$42.72	Yes	$82.93	$40.21
72	5-Dec-09	13	5	$40.80	Yes	$82.93	$42.13
73	5-Dec-09	13	6	$41.77	Yes	$82.93	$41.16
74	5-Dec-09	13	7	$43.31	Yes	$82.93	$39.62
75	5-Dec-09	13	8	$43.31	Yes	$82.93	$39.62
76	5-Dec-09	13	9	$43.69	Yes	$82.93	$39.24
77	5-Dec-09	13	10	$44.19	Yes	$82.93	$38.74
78	5-Dec-09	13	11	$44.11	Yes	$82.93	$38.82
79	5-Dec-09	13	12	$44.19	Yes	$82.93	$38.74
80	5-Dec-09	14	1	$44.07	Yes	$82.93	$38.86
81	5-Dec-09	14	2	$43.05	Yes	$82.93	$39.88
82	5-Dec-09	14	3	$41.09	Yes	$82.93	$41.84
83	5-Dec-09	14	4	$40.85	Yes	$82.93	$42.08
84	5-Dec-09	14	5	$40.85	Yes	$82.93	$42.08
85	5-Dec-09	14	6	$40.85	Yes	$82.93	$42.08
86	5-Dec-09	14	7	$40.78	Yes	$82.93	$42.15
87	5-Dec-09	14	8	$38.01	Yes	$82.93	$44.92

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
88	5-Dec-09	14	9	$38.49	Yes	$82.93	$44.44
89	5-Dec-09	14	10	$37.77	Yes	$82.93	$45.16
90	5-Dec-09	14	11	$37.74	Yes	$82.93	$45.19
91	5-Dec-09	14	12	$37.39	Yes	$82.93	$45.54
92	5-Dec-09	15	1	$37.55	Yes	$82.93	$45.38
93	5-Dec-09	15	2	$37.33	Yes	$82.93	$45.60
94	5-Dec-09	15	3	$37.33	Yes	$82.93	$45.60
95	5-Dec-09	15	4	$36.77	Yes	$82.93	$46.16
96	5-Dec-09	15	5	$35.58	Yes	$82.93	$47.35
97	5-Dec-09	15	6	$35.58	Yes	$82.93	$47.35
98	5-Dec-09	15	7	$35.49	Yes	$82.93	$47.44
99	5-Dec-09	15	8	$35.49	Yes	$82.93	$47.44
100	5-Dec-09	15	9	$37.06	Yes	$82.93	$45.87
101	5-Dec-09	15	10	$36.25	Yes	$82.93	$46.68
102	5-Dec-09	15	11	$36.25	Yes	$82.93	$46.68
103	5-Dec-09	15	12	$36.25	Yes	$82.93	$46.68
104	5-Dec-09	16	1	$36.32	Yes	$82.93	$46.61
105	5-Dec-09	16	2	$36.32	Yes	$82.93	$46.61
106	5-Dec-09	16	3	$36.35	Yes	$82.93	$46.58
107	5-Dec-09	16	4	$36.21	Yes	$82.93	$46.72
108	5-Dec-09	16	5	$35.60	Yes	$82.93	$47.33
109	5-Dec-09	16	6	$35.60	Yes	$82.93	$47.33
110	5-Dec-09	16	7	$36.76	Yes	$82.93	$46.17
111	5-Dec-09	16	8	$36.45	Yes	$82.93	$46.48
112	5-Dec-09	16	9	$36.46	Yes	$82.93	$46.47
113	5-Dec-09	16	10	$36.34	Yes	$82.93	$46.59
114	5-Dec-09	16	11	$37.26	Yes	$82.93	$45.67
115	5-Dec-09	16	12	$38.33	Yes	$82.93	$44.60
116	5-Dec-09	17	1	$34.94	Yes	$82.93	$47.99
117	5-Dec-09	17	2	$34.21	Yes	$82.93	$48.72
118	5-Dec-09	17	3	$33.48	Yes	$82.93	$49.45
119	5-Dec-09	17	4	$35.26	Yes	$82.93	$47.67
120	5-Dec-09	17	5	$36.46	Yes	$82.93	$46.47
121	5-Dec-09	17	6	$51.60	Yes	$82.93	$31.33
122	5-Dec-09	17	7	$52.18	Yes	$82.93	$30.75
123	5-Dec-09	17	8	$70.31	Yes	$82.93	$12.62
124	5-Dec-09	17	9	$74.97	Yes	$82.93	$7.96
125	5-Dec-09	17	10	$70.47	Yes	$82.93	$12.46
126	5-Dec-09	17	11	$74.96	Yes	$82.93	$7.97
127	5-Dec-09	17	12	$77.42	Yes	$82.93	$5.51
128	5-Dec-09	18	1	$53.34	Yes	$82.93	$29.59
129	5-Dec-09	18	2	$46.18	Yes	$82.93	$36.75
130	5-Dec-09	18	3	$53.34	Yes	$82.93	$29.59
131	5-Dec-09	18	4	$54.35	Yes	$82.93	$28.58
132	5-Dec-09	18	5	$54.86	Yes	$82.93	$28.07

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
133	5-Dec-09	18	6	$51.04	Yes	$82.93	$31.89
134	5-Dec-09	18	7	$53.16	Yes	$82.93	$29.77
135	5-Dec-09	18	8	$50.76	Yes	$82.93	$32.17
136	5-Dec-09	18	9	$50.76	Yes	$82.93	$32.17
137	5-Dec-09	18	10	$50.88	Yes	$82.93	$32.05
138	5-Dec-09	18	11	$54.65	Yes	$82.93	$28.28
139	5-Dec-09	18	12	$52.10	Yes	$82.93	$30.83
140	5-Dec-09	19	1	$51.53	Yes	$82.93	$31.40
141	5-Dec-09	19	2	$51.53	Yes	$82.93	$31.40
142	5-Dec-09	19	3	$50.89	Yes	$82.93	$32.04
143	5-Dec-09	19	4	$50.95	Yes	$82.93	$31.98
144	5-Dec-09	19	5	$50.95	Yes	$82.93	$31.98
145	5-Dec-09	19	6	$50.75	Yes	$82.93	$32.18
146	5-Dec-09	19	7	$50.42	Yes	$82.93	$32.51
147	5-Dec-09	19	8	$50.60	Yes	$82.93	$32.33
148	5-Dec-09	19	9	$50.42	Yes	$82.93	$32.51
149	5-Dec-09	19	10	$51.81	Yes	$82.93	$31.12
150	5-Dec-09	19	11	$50.53	Yes	$82.93	$32.40
151	5-Dec-09	19	12	$50.53	Yes	$82.93	$32.40
152	5-Dec-09	20	1	$50.48	Yes	$82.93	$32.45
153	5-Dec-09	20	2	$50.48	Yes	$82.93	$32.45
154	5-Dec-09	20	3	$50.48	Yes	$82.93	$32.45
155	6-Dec-09	7	5	$34.13	Yes	$80.70	$46.57
156	6-Dec-09	7	6	$34.98	Yes	$80.70	$45.72
157	6-Dec-09	7	7	$35.23	Yes	$80.70	$45.47
158	6-Dec-09	7	8	$35.23	Yes	$80.70	$45.47
159	6-Dec-09	7	9	$35.54	Yes	$80.70	$45.16
160	6-Dec-09	7	10	$34.78	Yes	$80.70	$45.92
161	6-Dec-09	7	11	$36.24	Yes	$80.70	$44.46
162	6-Dec-09	7	12	$38.23	Yes	$80.70	$42.47
163	6-Dec-09	8	1	$34.09	Yes	$80.70	$46.61
164	6-Dec-09	8	2	$29.93	Yes	$80.70	$50.77
165	6-Dec-09	8	3	$29.67	Yes	$80.70	$51.03
166	6-Dec-09	8	4	$28.17	Yes	$80.70	$52.53
167	6-Dec-09	8	5	$27.53	Yes	$80.70	$53.17
168	6-Dec-09	8	6	$32.89	Yes	$80.70	$47.81
169	6-Dec-09	8	7	$34.37	Yes	$80.70	$46.33
170	6-Dec-09	8	8	$33.12	Yes	$80.70	$47.58
171	6-Dec-09	8	9	$35.11	Yes	$80.70	$45.59
172	6-Dec-09	8	10	$35.78	Yes	$80.70	$44.92
173	6-Dec-09	8	11	$36.20	Yes	$80.70	$44.50
174	6-Dec-09	8	12	$36.24	Yes	$80.70	$44.46
175	6-Dec-09	9	1	$32.47	Yes	$80.70	$48.23
176	6-Dec-09	9	2	$34.46	Yes	$80.70	$46.24
177	6-Dec-09	9	3	$35.17	Yes	$80.70	$45.53

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
178	6-Dec-09	9	4	$35.32	Yes	$80.70	$45.38
179	6-Dec-09	9	5	$36.32	Yes	$80.70	$44.38
180	6-Dec-09	9	6	$38.61	Yes	$80.70	$42.09
181	6-Dec-09	9	7	$38.94	Yes	$80.70	$41.76
182	6-Dec-09	9	8	$41.06	Yes	$80.70	$39.64
183	6-Dec-09	9	9	$41.06	Yes	$80.70	$39.64
184	6-Dec-09	9	10	$42.49	Yes	$80.70	$38.21
185	6-Dec-09	9	11	$42.21	Yes	$80.70	$38.49
186	6-Dec-09	9	12	$42.21	Yes	$80.70	$38.49
187	6-Dec-09	10	1	$42.23	Yes	$80.70	$38.47
188	6-Dec-09	10	2	$41.36	Yes	$80.70	$39.34
189	6-Dec-09	10	3	$42.24	Yes	$80.70	$38.46
190	6-Dec-09	10	4	$42.84	Yes	$80.70	$37.86
191	6-Dec-09	10	5	$43.86	Yes	$80.70	$36.84
192	6-Dec-09	10	6	$45.90	Yes	$80.70	$34.80
193	6-Dec-09	10	7	$45.12	Yes	$80.70	$35.58
194	6-Dec-09	10	8	$46.49	Yes	$80.70	$34.21
195	6-Dec-09	10	9	$46.49	Yes	$80.70	$34.21
196	6-Dec-09	10	10	$45.72	Yes	$80.70	$34.98
197	6-Dec-09	10	11	$45.72	Yes	$80.70	$34.98
198	6-Dec-09	10	12	$45.72	Yes	$80.70	$34.98
199	6-Dec-09	11	1	$41.68	Yes	$80.70	$39.02
200	6-Dec-09	11	2	$40.77	Yes	$80.70	$39.93
201	6-Dec-09	11	3	$39.06	Yes	$80.70	$41.64
202	6-Dec-09	11	4	$38.28	Yes	$80.70	$42.42
203	6-Dec-09	11	5	$37.28	Yes	$80.70	$43.42
204	6-Dec-09	11	6	$37.28	Yes	$80.70	$43.42
205	6-Dec-09	11	7	$36.01	Yes	$80.70	$44.69
206	6-Dec-09	11	8	$36.01	Yes	$80.70	$44.69
207	6-Dec-09	11	9	$37.13	Yes	$80.70	$43.57
208	6-Dec-09	11	10	$37.69	Yes	$80.70	$43.01
209	6-Dec-09	11	11	$36.91	Yes	$80.70	$43.79
210	6-Dec-09	11	12	$37.91	Yes	$80.70	$42.79
211	6-Dec-09	12	1	$35.67	Yes	$80.70	$45.03
212	6-Dec-09	12	2	$35.67	Yes	$80.70	$45.03
213	6-Dec-09	12	3	$35.67	Yes	$80.70	$45.03
214	6-Dec-09	12	4	$36.55	Yes	$80.70	$44.15
215	6-Dec-09	12	5	$36.55	Yes	$80.70	$44.15
216	6-Dec-09	12	6	$37.04	Yes	$80.70	$43.66
217	6-Dec-09	12	7	$36.89	Yes	$80.70	$43.81
218	6-Dec-09	12	8	$36.19	Yes	$80.70	$44.51
219	6-Dec-09	12	9	$36.19	Yes	$80.70	$44.51
220	6-Dec-09	12	10	$35.99	Yes	$80.70	$44.71
221	6-Dec-09	12	11	$35.73	Yes	$80.70	$44.97
222	6-Dec-09	12	12	$35.73	Yes	$80.70	$44.97

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
223	6-Dec-09	13	1	$36.97	Yes	$80.70	$43.73
224	6-Dec-09	13	2	$36.42	Yes	$80.70	$44.28
225	6-Dec-09	13	3	$36.61	Yes	$80.70	$44.09
226	6-Dec-09	13	4	$35.58	Yes	$80.70	$45.12
227	6-Dec-09	13	5	$35.33	Yes	$80.70	$45.37
228	6-Dec-09	13	6	$35.33	Yes	$80.70	$45.37
229	6-Dec-09	13	7	$35.22	Yes	$80.70	$45.48
230	6-Dec-09	13	8	$34.64	Yes	$80.70	$46.06
231	6-Dec-09	13	9	$34.63	Yes	$80.70	$46.07
232	6-Dec-09	13	10	$35.01	Yes	$80.70	$45.69
233	6-Dec-09	13	11	$34.89	Yes	$80.70	$45.81
234	6-Dec-09	13	12	$35.56	Yes	$80.70	$45.14
235	6-Dec-09	14	1	$36.59	Yes	$80.70	$44.11
236	6-Dec-09	14	2	$36.65	Yes	$80.70	$44.05
237	6-Dec-09	14	3	$36.59	Yes	$80.70	$44.11
238	6-Dec-09	14	4	$36.59	Yes	$80.70	$44.11
239	6-Dec-09	14	5	$36.59	Yes	$80.70	$44.11
240	6-Dec-09	14	6	$36.84	Yes	$80.70	$43.86
241	6-Dec-09	14	7	$37.09	Yes	$80.70	$43.61
242	6-Dec-09	14	8	$37.83	Yes	$80.70	$42.87
243	6-Dec-09	14	9	$37.77	Yes	$79.27	$41.50
244	6-Dec-09	14	10	$37.72	Yes	$79.27	$41.55
245	6-Dec-09	14	11	$37.72	Yes	$79.27	$41.55
246	6-Dec-09	14	12	$37.67	Yes	$79.27	$41.60
247	6-Dec-09	15	1	$38.26	Yes	$79.27	$41.01
248	6-Dec-09	15	2	$38.32	Yes	$79.27	$40.95
249	6-Dec-09	15	3	$37.03	Yes	$79.27	$42.24
250	6-Dec-09	15	4	$37.06	Yes	$80.70	$43.64
251	6-Dec-09	15	5	$37.06	Yes	$80.70	$43.64
252	6-Dec-09	15	6	$37.06	Yes	$80.70	$43.64
253	6-Dec-09	15	7	$36.41	Yes	$80.70	$44.29
254	6-Dec-09	15	8	$36.30	Yes	$80.70	$44.40
255	6-Dec-09	15	9	$35.24	Yes	$80.70	$45.46
256	6-Dec-09	15	10	$35.56	Yes	$80.70	$45.14
257	6-Dec-09	15	11	$36.32	Yes	$80.70	$44.38
258	6-Dec-09	15	12	$35.20	Yes	$80.70	$45.50
259	6-Dec-09	16	1	$35.71	Yes	$80.70	$44.99
260	6-Dec-09	16	2	$35.13	Yes	$80.70	$45.57
261	6-Dec-09	16	3	$35.13	Yes	$80.70	$45.57
262	6-Dec-09	16	4	$35.60	Yes	$80.70	$45.10
263	6-Dec-09	16	5	$35.75	Yes	$80.70	$44.95
264	6-Dec-09	16	6	$37.72	Yes	$80.70	$42.98
265	6-Dec-09	16	7	$39.29	Yes	$80.70	$41.41
266	6-Dec-09	16	8	$39.29	Yes	$80.70	$41.41
267	6-Dec-09	16	9	$40.26	Yes	$80.70	$40.44

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
268	6-Dec-09	16	10	$40.55	Yes	$80.70	$40.15
269	6-Dec-09	16	11	$40.77	Yes	$80.70	$39.93
270	6-Dec-09	16	12	$41.19	Yes	$80.70	$39.51
271	6-Dec-09	17	1	$35.20	Yes	$80.70	$45.50
272	6-Dec-09	17	2	$36.08	Yes	$80.70	$44.62
273	6-Dec-09	17	3	$37.05	Yes	$82.93	$45.88
274	6-Dec-09	17	4	$45.16	Yes	$82.93	$37.77
275	6-Dec-09	17	5	$47.66	Yes	$82.93	$35.27
276	6-Dec-09	17	6	$51.61	Yes	$82.93	$31.32
277	6-Dec-09	17	7	$50.16	Yes	$82.93	$32.77
278	6-Dec-09	17	8	$53.80	Yes	$82.93	$29.13
279	6-Dec-09	17	9	$71.22	Yes	$82.93	$11.71
280	6-Dec-09	17	10	$57.61	Yes	$82.93	$25.32
281	6-Dec-09	17	11	$57.61	Yes	$82.93	$25.32
282	6-Dec-09	17	12	$57.61	Yes	$82.93	$25.32
283	6-Dec-09	18	1	$46.90	Yes	$80.70	$33.80
284	6-Dec-09	18	2	$43.23	Yes	$80.70	$37.47
285	6-Dec-09	18	3	$44.35	Yes	$82.93	$38.58
286	6-Dec-09	18	4	$44.39	Yes	$82.93	$38.54
287	6-Dec-09	18	5	$37.44	Yes	$82.93	$45.49
288	6-Dec-09	18	6	$44.10	Yes	$82.93	$38.83
289	6-Dec-09	18	7	$46.12	Yes	$82.93	$36.81
290	6-Dec-09	18	8	$46.12	Yes	$82.93	$36.81
291	6-Dec-09	18	9	$46.12	Yes	$82.93	$36.81
292	6-Dec-09	18	10	$45.56	Yes	$82.93	$37.37
293	6-Dec-09	18	11	$45.56	Yes	$82.93	$37.37
294	6-Dec-09	18	12	$45.56	Yes	$82.93	$37.37
295	6-Dec-09	19	1	$46.95	Yes	$82.93	$35.99
296	6-Dec-09	19	2	$45.52	Yes	$82.93	$37.41
297	6-Dec-09	19	3	$47.49	Yes	$82.93	$35.44
298	6-Dec-09	19	4	$47.84	Yes	$82.93	$35.09
299	6-Dec-09	19	5	$47.84	Yes	$82.93	$35.09
300	6-Dec-09	19	6	$47.61	Yes	$82.93	$35.32
301	6-Dec-09	19	7	$46.59	Yes	$82.93	$36.34
302	6-Dec-09	19	8	$47.25	Yes	$82.93	$35.68
303	6-Dec-09	19	9	$44.78	Yes	$82.93	$38.15
304	6-Dec-09	19	10	$54.09	Yes	$82.93	$28.84
305	6-Dec-09	19	11	$50.07	Yes	$82.93	$32.86
306	6-Dec-09	19	12	$51.27	Yes	$82.93	$31.66
307	6-Dec-09	20	1	$55.37	Yes	$82.93	$27.56
308	6-Dec-09	20	2	$55.70	Yes	$82.93	$27.23
309	6-Dec-09	20	3	$55.70	Yes	$82.93	$27.23
310	6-Dec-09	20	4	$54.83	Yes	$82.93	$28.10
311	6-Dec-09	20	5	$54.82	Yes	$82.93	$28.11
312	6-Dec-09	20	6	$55.29	Yes	$82.93	$27.64

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
313	6-Dec-09	20	7	$50.74	Yes	$82.93	$32.19
314	6-Dec-09	20	8	$50.74	Yes	$82.93	$32.19
315	6-Dec-09	20	9	$50.74	Yes	$82.93	$32.19
316	6-Dec-09	20	10	$52.98	Yes	$82.93	$29.95
317	6-Dec-09	20	11	$52.46	Yes	$82.93	$30.47
318	6-Dec-09	20	12	$50.87	Yes	$82.93	$32.06
319	6-Dec-09	21	1	$56.07	Yes	$82.93	$26.86
320	6-Dec-09	21	2	$54.48	Yes	$82.93	$28.45
321	6-Dec-09	21	3	$54.48	Yes	$82.93	$28.45
322	6-Dec-09	21	4	$58.23	Yes	$82.93	$24.70
323	6-Dec-09	21	5	$58.23	Yes	$82.93	$24.70
324	6-Dec-09	21	6	$57.79	Yes	$82.93	$25.14
325	6-Dec-09	21	7	$56.18	Yes	$82.93	$26.75
326	6-Dec-09	21	8	$54.53	Yes	$82.93	$28.40
327	6-Dec-09	21	9	$53.68	Yes	$82.93	$29.25
328	6-Dec-09	21	10	$53.48	Yes	$82.93	$29.45
329	6-Dec-09	21	11	$51.97	Yes	$82.93	$30.96
330	6-Dec-09	21	12	$48.41	Yes	$82.93	$34.52
331	7-Dec-09	7	10	$214.28	Yes	$62.97	-$151.31
332	7-Dec-09	7	11	$229.16	Yes	$62.97	-$166.19
333	7-Dec-09	7	12	$305.01	Yes	$62.97	-$242.04
334	7-Dec-09	8	1	$73.63	Yes	$80.70	$7.07
335	7-Dec-09	8	2	$59.44	Yes	$80.70	$21.26
336	7-Dec-09	8	3	$55.66	Yes	$82.93	$27.27
337	7-Dec-09	8	4	$54.03	Yes	$82.93	$28.90
338	7-Dec-09	8	5	$54.88	Yes	$82.93	$28.05
339	7-Dec-09	8	6	$55.25	Yes	$82.93	$27.68
340	7-Dec-09	8	7	$55.51	Yes	$82.93	$27.42
341	7-Dec-09	8	8	$56.67	Yes	$82.93	$26.26
342	7-Dec-09	8	9	$58.57	Yes	$82.93	$24.36
343	7-Dec-09	8	10	$57.12	Yes	$82.93	$25.81
344	7-Dec-09	8	11	$58.88	Yes	$82.93	$24.05
345	7-Dec-09	8	12	$72.12	Yes	$82.93	$10.81
346	7-Dec-09	9	1	$56.53	Yes	$82.93	$26.40
347	7-Dec-09	9	2	$58.96	Yes	$82.93	$23.97
348	7-Dec-09	9	3	$59.77	Yes	$82.93	$23.16
349	7-Dec-09	9	4	$57.46	Yes	$82.93	$25.47
350	7-Dec-09	9	5	$59.84	Yes	$82.93	$23.09
351	7-Dec-09	9	6	$60.91	Yes	$82.93	$22.02
352	7-Dec-09	9	7	$74.69	Yes	$82.93	$8.24
353	7-Dec-09	9	8	$85.53	Yes	$82.93	-$2.60
354	7-Dec-09	9	9	$85.53	Yes	$82.93	-$2.60
355	7-Dec-09	9	10	$73.11	Yes	$82.93	$9.82
356	7-Dec-09	9	11	$73.11	Yes	$82.93	$9.82
357	7-Dec-09	9	12	$67.82	Yes	$82.93	$15.11

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
358	7-Dec-09	10	1	$65.45	Yes	$82.93	$17.48
359	7-Dec-09	10	2	$62.64	Yes	$82.93	$20.29
360	7-Dec-09	10	3	$62.64	Yes	$82.93	$20.29
361	7-Dec-09	10	4	$60.06	Yes	$82.93	$22.87
362	7-Dec-09	10	5	$62.62	Yes	$82.93	$20.31
363	7-Dec-09	10	6	$64.49	Yes	$82.93	$18.44
364	7-Dec-09	10	7	$315.12	Yes	$82.93	-$232.19
365	7-Dec-09	10	8	$65.86	Yes	$82.93	$17.07
366	7-Dec-09	10	9	$65.86	Yes	$82.93	$17.07
367	7-Dec-09	10	10	$64.06	Yes	$82.93	$18.87
368	7-Dec-09	10	11	$64.06	Yes	$82.93	$18.87
369	7-Dec-09	10	12	$64.06	Yes	$82.93	$18.87
370	7-Dec-09	11	1	$61.48	Yes	$82.93	$21.45
371	7-Dec-09	11	2	$61.48	Yes	$82.93	$21.45
372	7-Dec-09	11	3	$61.48	Yes	$82.93	$21.45
373	7-Dec-09	11	4	$62.33	Yes	$82.93	$20.60
374	7-Dec-09	11	5	$60.37	Yes	$82.93	$22.56
375	7-Dec-09	11	6	$60.37	Yes	$82.93	$22.56
376	7-Dec-09	11	7	$62.36	Yes	$82.93	$20.57
377	7-Dec-09	11	8	$61.75	Yes	$82.93	$21.18
378	7-Dec-09	11	9	$60.40	Yes	$82.93	$22.53
379	7-Dec-09	11	10	$64.57	Yes	$82.93	$18.36
380	7-Dec-09	11	11	$64.57	Yes	$82.93	$18.36
381	7-Dec-09	11	12	$65.69	Yes	$82.93	$17.24
382	7-Dec-09	12	1	$81.20	Yes	$82.93	$1.73
383	7-Dec-09	12	2	$305.83	Yes	$82.93	-$222.90
384	7-Dec-09	12	3	$189.19	Yes	$82.93	-$106.26
385	7-Dec-09	12	4	$307.01	Yes	$82.93	-$224.08
386	7-Dec-09	12	5	$514.10	Yes	$82.93	-$431.17
387	7-Dec-09	12	6	$514.10	Yes	$82.93	-$431.17
388	7-Dec-09	12	7	$506.28	Yes	$82.93	-$423.35
389	7-Dec-09	12	8	$307.58	Yes	$82.93	-$224.65
390	7-Dec-09	12	9	$178.21	Yes	$82.93	-$95.28
391	7-Dec-09	12	10	$301.96	Yes	$82.93	-$219.03
392	7-Dec-09	12	11	$67.88	Yes	$82.93	$15.05
393	7-Dec-09	12	12	$61.60	Yes	$82.93	$21.33
394	7-Dec-09	13	1	$64.19	Yes	$82.93	$18.74
395	7-Dec-09	13	2	$53.55	Yes	$82.93	$29.38
396	7-Dec-09	13	3	$48.75	Yes	$82.93	$34.18
397	7-Dec-09	13	4	$53.61	Yes	$82.93	$29.32
398	7-Dec-09	13	5	$53.83	Yes	$82.93	$29.10
399	7-Dec-09	13	6	$53.91	Yes	$82.93	$29.02
400	7-Dec-09	13	7	$58.15	Yes	$82.93	$24.78
401	7-Dec-09	13	8	$57.20	Yes	$82.93	$25.73
402	7-Dec-09	13	9	$56.51	Yes	$82.93	$26.42

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
403	7-Dec-09	13	10	$63.91	Yes	$82.93	$19.02
404	7-Dec-09	13	11	$63.91	Yes	$82.93	$19.02
405	7-Dec-09	13	12	$58.68	Yes	$82.93	$24.25
406	7-Dec-09	14	1	$60.49	Yes	$82.93	$22.44
407	7-Dec-09	14	2	$58.69	Yes	$82.93	$24.24
408	7-Dec-09	14	3	$55.06	Yes	$82.93	$27.87
409	7-Dec-09	14	4	$57.48	Yes	$82.93	$25.45
410	7-Dec-09	14	5	$57.38	Yes	$82.93	$25.55
411	7-Dec-09	14	6	$57.42	Yes	$82.93	$25.51
412	7-Dec-09	14	7	$57.39	Yes	$82.93	$25.54
413	7-Dec-09	14	8	$58.58	Yes	$82.93	$24.35
414	7-Dec-09	14	9	$70.98	Yes	$82.93	$11.95
415	7-Dec-09	14	10	$58.62	Yes	$82.93	$24.31
416	7-Dec-09	14	11	$53.14	Yes	$82.93	$29.79
417	7-Dec-09	14	12	$58.07	Yes	$82.93	$24.86
418	7-Dec-09	15	1	$58.37	Yes	$82.93	$24.56
419	7-Dec-09	15	2	$58.23	Yes	$82.93	$24.70
420	7-Dec-09	15	3	$58.23	Yes	$82.93	$24.70
421	7-Dec-09	15	4	$56.71	Yes	$82.93	$26.22
422	7-Dec-09	15	5	$53.01	Yes	$82.93	$29.92
423	7-Dec-09	15	6	$56.36	Yes	$82.93	$26.57
424	7-Dec-09	15	7	$56.53	Yes	$82.93	$26.40
425	7-Dec-09	15	8	$56.53	Yes	$82.93	$26.40
426	7-Dec-09	15	9	$56.53	Yes	$82.93	$26.40
427	7-Dec-09	15	10	$55.90	Yes	$82.93	$27.03
428	7-Dec-09	15	11	$55.87	Yes	$82.93	$27.06
429	7-Dec-09	15	12	$51.94	Yes	$82.93	$30.99
430	7-Dec-09	16	1	$55.47	Yes	$82.93	$27.46
431	7-Dec-09	16	2	$50.51	Yes	$82.93	$32.42
432	7-Dec-09	16	3	$43.58	Yes	$82.93	$39.35
433	7-Dec-09	16	4	$43.46	Yes	$82.93	$39.47
434	7-Dec-09	16	5	$42.77	Yes	$82.93	$40.16
435	7-Dec-09	16	6	$44.72	Yes	$82.93	$38.21
436	7-Dec-09	16	7	$43.62	Yes	$82.93	$39.31
437	7-Dec-09	16	8	$44.68	Yes	$82.93	$38.25
438	7-Dec-09	16	9	$46.00	Yes	$82.93	$36.93
439	7-Dec-09	16	10	$46.25	Yes	$82.93	$36.68
440	7-Dec-09	16	11	$46.83	Yes	$82.93	$36.10
441	7-Dec-09	16	12	$48.83	Yes	$82.93	$34.10
442	7-Dec-09	17	1	$45.53	Yes	$82.93	$37.40
443	7-Dec-09	17	2	$47.66	Yes	$82.93	$35.27
444	7-Dec-09	17	3	$48.62	Yes	$82.93	$34.31
445	7-Dec-09	17	4	$49.46	Yes	$82.93	$33.47
446	7-Dec-09	17	5	$51.27	Yes	$82.93	$31.66
447	7-Dec-09	17	6	$54.70	Yes	$82.93	$28.23

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
448	7-Dec-09	17	7	$56.11	Yes	$82.93	$26.82
449	7-Dec-09	17	8	$62.15	Yes	$82.93	$20.78
450	7-Dec-09	17	9	$81.93	Yes	$82.93	$1.00
451	7-Dec-09	17	10	$64.61	Yes	$82.93	$18.32
452	7-Dec-09	17	11	$83.56	Yes	$82.93	-$0.63
453	7-Dec-09	17	12	$89.57	Yes	$82.93	-$6.64
454	7-Dec-09	18	1	$62.23	Yes	$82.93	$20.70
455	7-Dec-09	18	2	$63.41	Yes	$82.93	$19.52
456	7-Dec-09	18	3	$65.73	Yes	$82.93	$17.20
457	7-Dec-09	18	4	$71.75	Yes	$82.93	$11.18
458	7-Dec-09	18	5	$83.38	Yes	$82.93	-$0.45
459	7-Dec-09	18	6	$422.43	Yes	$82.93	-$339.50
460	7-Dec-09	18	7	$502.14	Yes	$82.93	-$419.21
461	7-Dec-09	18	8	$503.05	Yes	$82.93	-$420.12
462	7-Dec-09	18	9	$503.05	Yes	$82.93	-$420.12
463	7-Dec-09	18	10	$499.75	Yes	$82.93	-$416.82
464	7-Dec-09	18	11	$154.04	Yes	$82.93	-$71.11
465	7-Dec-09	18	12	$487.05	Yes	$82.93	-$404.12
466	7-Dec-09	19	1	$500.80	Yes	$82.93	-$417.87
467	7-Dec-09	19	2	$500.79	Yes	$82.93	-$417.86
468	7-Dec-09	19	3	$490.43	Yes	$82.93	-$407.50
469	7-Dec-09	19	4	$86.43	Yes	$82.93	-$3.50
470	7-Dec-09	19	5	$505.70	Yes	$82.93	-$422.77
471	7-Dec-09	19	6	$505.70	Yes	$82.93	-$422.77
472	7-Dec-09	19	7	$506.59	Yes	$82.93	-$423.66
473	7-Dec-09	19	8	$97.64	Yes	$82.93	-$14.71
474	7-Dec-09	19	9	$76.70	Yes	$82.93	$6.23
475	7-Dec-09	19	10	$515.58	Yes	$82.93	-$432.65
476	7-Dec-09	19	11	$515.58	Yes	$82.93	-$432.65
477	7-Dec-09	19	12	$80.65	Yes	$82.93	$2.28
478	7-Dec-09	20	1	$89.44	Yes	$82.93	-$6.51
479	7-Dec-09	20	2	$83.90	Yes	$82.93	-$0.97
480	7-Dec-09	20	3	$76.80	Yes	$82.93	$6.13
481	7-Dec-09	20	4	$68.52	Yes	$82.93	$14.41
482	7-Dec-09	20	5	$68.52	Yes	$82.93	$14.41
483	7-Dec-09	20	6	$68.52	Yes	$82.93	$14.41
484	7-Dec-09	20	7	$61.59	Yes	$82.93	$21.34
485	7-Dec-09	20	8	$56.01	Yes	$82.93	$26.92
486	7-Dec-09	20	9	$59.15	Yes	$82.93	$23.78
487	7-Dec-09	20	10	$243.02	Yes	$82.93	-$160.09
488	7-Dec-09	20	11	$243.02	Yes	$82.93	-$160.09
489	7-Dec-09	20	12	$517.25	Yes	$82.93	-$434.32
490	7-Dec-09	21	1	$515.70	Yes	$82.93	-$432.77
491	7-Dec-09	21	2	$515.70	Yes	$82.93	-$432.77
492	7-Dec-09	21	3	$515.70	Yes	$82.93	-$432.77

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
493	7-Dec-09	21	4	$516.15	Yes	$82.93	-$433.22
494	7-Dec-09	21	5	$516.15	Yes	$82.93	-$433.22
495	7-Dec-09	21	6	$516.15	Yes	$82.93	-$433.22
496	7-Dec-09	21	7	$476.75	Yes	$82.93	-$393.82
497	7-Dec-09	21	8	$517.25	Yes	$82.93	-$434.32
498	7-Dec-09	21	9	$517.25	Yes	$82.93	-$434.32
499	7-Dec-09	21	10	$527.10	Yes	$82.93	-$444.17
500	7-Dec-09	21	11	$201.30	Yes	$82.93	-$118.37
501	7-Dec-09	21	12	$89.20	Yes	$82.93	-$6.27
502	7-Dec-09	22	1	$79.70	Yes	$82.93	$3.23
503	7-Dec-09	22	2	$79.70	Yes	$82.93	$3.23
504	7-Dec-09	22	3	$74.64	Yes	$82.93	$8.29
505	7-Dec-09	22	4	$67.20	Yes	$82.93	$15.73
506	7-Dec-09	22	5	$71.06	Yes	$82.93	$11.87
507	7-Dec-09	22	6	$59.54	Yes	$82.93	$23.39
508	7-Dec-09	22	7	$70.59	Yes	$82.93	$12.34
509	7-Dec-09	22	8	$51.81	Yes	$82.93	$31.12
510	7-Dec-09	22	9	$57.55	Yes	$82.93	$25.38
511	7-Dec-09	22	10	$58.54	Yes	$82.93	$24.39
512	7-Dec-09	22	11	$57.95	Yes	$82.93	$24.98
513	7-Dec-09	22	12	$39.34	Yes	$82.93	$43.59
514	7-Dec-09	23	1	$87.91	Yes	$82.93	-$4.98
515	7-Dec-09	23	2	$69.02	Yes	$82.93	$13.91
516	7-Dec-09	23	3	$68.83	Yes	$82.93	$14.10
517	7-Dec-09	23	4	$89.19	Yes	$82.93	-$6.26
518	7-Dec-09	23	5	$77.59	Yes	$82.93	$5.34
519	7-Dec-09	23	6	$32.50	Yes	$82.93	$50.43
520	7-Dec-09	23	7	$39.58	Yes	$82.93	$43.35
521	7-Dec-09	23	8	$31.53	Yes	$82.93	$51.40
522	7-Dec-09	23	9	$5.37	Yes	$82.93	$77.56
523	7-Dec-09	23	10	$21.65	Yes	$82.93	$61.28
524	7-Dec-09	23	11	$20.13	Yes	$82.93	$62.80
525	7-Dec-09	23	12	-$34.51	Yes	$82.93	$117.44
526	7-Dec-09	24	1	$37.77	Yes	$82.93	$45.16
527	7-Dec-09	24	2	$27.64	Yes	$82.93	$55.29
528	7-Dec-09	24	3	$27.64	Yes	$82.93	$55.29
529	7-Dec-09	24	4	$36.74	Yes	$82.93	$46.19
530	7-Dec-09	24	5	$30.11	Yes	$82.93	$52.82
531	7-Dec-09	24	6	$30.62	Yes	$82.93	$52.31
532	7-Dec-09	24	7	$21.24	Yes	$82.93	$61.69
533	7-Dec-09	24	8	$25.99	Yes	$82.93	$56.94
534	7-Dec-09	24	9	$25.99	Yes	$82.93	$56.94
535	7-Dec-09	24	10	$12.98	Yes	$82.93	$69.95
536	7-Dec-09	24	11	$30.98	Yes	$82.93	$51.95
537	8-Dec-09	5	6	$70.30	Yes	$86.82	$16.52

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
538	8-Dec-09	5	7	$70.31	Yes	$86.82	$16.51
539	8-Dec-09	5	8	$70.31	Yes	$86.82	$16.51
540	8-Dec-09	5	9	$70.36	Yes	$86.82	$16.46
541	8-Dec-09	5	10	$68.28	Yes	$86.82	$18.54
542	8-Dec-09	5	11	$68.28	Yes	$86.82	$18.54
543	8-Dec-09	5	12	$68.23	Yes	$86.82	$18.59
544	8-Dec-09	6	1	$66.82	Yes	$84.44	$17.62
545	8-Dec-09	6	2	$61.40	Yes	$84.44	$23.04
546	8-Dec-09	6	3	$47.13	Yes	$84.44	$37.31
547	8-Dec-09	6	4	$61.04	Yes	$86.82	$25.78
548	8-Dec-09	6	5	$61.04	Yes	$86.82	$25.78
549	8-Dec-09	6	6	$63.33	Yes	$86.82	$23.49
550	8-Dec-09	6	7	$62.44	Yes	$86.82	$24.38
551	8-Dec-09	6	8	$62.44	Yes	$86.82	$24.38
552	8-Dec-09	6	9	$61.55	Yes	$86.82	$25.27
553	8-Dec-09	6	10	$68.55	Yes	$86.82	$18.27
554	8-Dec-09	6	11	$80.55	Yes	$86.82	$6.27
555	8-Dec-09	6	12	$84.66	Yes	$86.82	$2.16
556	8-Dec-09	7	1	$44.51	Yes	$86.82	$42.31
557	8-Dec-09	7	2	$44.51	Yes	$86.82	$42.31
558	8-Dec-09	7	3	$45.83	Yes	$86.82	$40.99
559	8-Dec-09	7	4	$56.75	Yes	$86.82	$30.07
560	8-Dec-09	7	5	$64.75	Yes	$86.82	$22.07
561	8-Dec-09	7	6	$526.61	Yes	$86.82	-$439.79
562	8-Dec-09	7	7	$535.91	Yes	$86.82	-$449.09
563	8-Dec-09	7	8	$546.95	Yes	$86.82	-$460.13
564	8-Dec-09	7	9	$546.95	Yes	$86.82	-$460.13
565	8-Dec-09	7	10	$534.85	Yes	$86.82	-$448.03
566	8-Dec-09	7	11	$534.85	Yes	$86.82	-$448.03
567	8-Dec-09	7	12	$545.40	Yes	$86.82	-$458.58
568	8-Dec-09	8	1	$530.89	Yes	$86.82	-$444.07
569	8-Dec-09	8	2	$532.10	Yes	$86.82	-$445.28
570	8-Dec-09	8	3	$532.10	Yes	$86.82	-$445.28
571	8-Dec-09	8	4	$398.61	Yes	$86.82	-$311.79
572	8-Dec-09	8	5	$91.99	Yes	$86.82	-$5.17
573	8-Dec-09	8	6	$506.30	Yes	$86.82	-$419.48
574	8-Dec-09	8	7	$501.15	Yes	$86.82	-$414.33
575	8-Dec-09	8	8	$495.46	Yes	$86.82	-$408.64
576	8-Dec-09	8	9	$495.46	Yes	$86.82	-$408.64
577	8-Dec-09	8	10	$501.14	Yes	$86.82	-$414.32
578	8-Dec-09	8	11	$501.14	Yes	$86.82	-$414.32
579	8-Dec-09	8	12	$488.28	Yes	$86.82	-$401.46
580	8-Dec-09	9	1	$90.65	Yes	$86.82	-$3.83
581	8-Dec-09	9	2	$63.47	Yes	$86.82	$23.35
582	8-Dec-09	9	3	$57.33	Yes	$86.82	$29.49

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
583	8-Dec-09	9	4	$58.26	Yes	$86.82	$28.56
584	8-Dec-09	9	5	$61.45	Yes	$86.82	$25.37
585	8-Dec-09	9	6	$63.00	Yes	$86.82	$23.82
586	8-Dec-09	9	7	$62.61	Yes	$86.82	$24.21
587	8-Dec-09	9	8	$64.41	Yes	$86.82	$22.41
588	8-Dec-09	9	9	$63.91	Yes	$86.82	$22.91
589	8-Dec-09	9	10	$77.90	Yes	$86.82	$8.92
590	8-Dec-09	9	11	$119.62	Yes	$86.82	-$32.80
591	8-Dec-09	9	12	$170.75	Yes	$86.82	-$83.93
592	8-Dec-09	10	1	$555.15	Yes	$86.82	-$468.33
593	8-Dec-09	10	2	$121.18	Yes	$86.82	-$34.36
594	8-Dec-09	10	3	$70.13	Yes	$86.82	$16.69
595	8-Dec-09	10	4	$74.93	Yes	$86.82	$11.89
596	8-Dec-09	10	5	$70.91	Yes	$86.82	$15.91
597	8-Dec-09	10	6	$68.87	Yes	$86.82	$17.95
598	8-Dec-09	10	7	$69.81	Yes	$86.82	$17.01
599	8-Dec-09	10	8	$65.01	Yes	$86.82	$21.81
600	8-Dec-09	10	9	$65.68	Yes	$86.82	$21.14
601	8-Dec-09	10	10	$69.68	Yes	$86.82	$17.14
602	8-Dec-09	10	11	$74.74	Yes	$86.82	$12.08
603	8-Dec-09	10	12	$74.74	Yes	$86.82	$12.08
604	8-Dec-09	11	1	$69.07	Yes	$86.82	$17.75
605	8-Dec-09	11	2	$68.41	Yes	$86.82	$18.41
606	8-Dec-09	11	3	$58.50	Yes	$86.82	$28.32
607	8-Dec-09	11	4	$64.67	Yes	$86.82	$22.15
608	8-Dec-09	11	5	$60.72	Yes	$86.82	$26.10
609	8-Dec-09	11	6	$61.86	Yes	$86.82	$24.96
610	8-Dec-09	11	7	$70.31	Yes	$86.82	$16.51
611	8-Dec-09	11	8	$64.35	Yes	$86.82	$22.47
612	8-Dec-09	11	9	$64.41	Yes	$86.82	$22.41
613	8-Dec-09	11	10	$64.52	Yes	$86.82	$22.30
614	8-Dec-09	11	11	$64.48	Yes	$86.82	$22.34
615	8-Dec-09	11	12	$61.72	Yes	$86.82	$25.10
616	8-Dec-09	12	1	$76.15	Yes	$86.82	$10.67
617	8-Dec-09	12	2	$74.39	No	$86.82	$12.43
618	8-Dec-09	12	3	$67.61	No	$86.82	$19.21
619	8-Dec-09	12	4	$68.52	No	$86.82	$18.30
620	8-Dec-09	12	5	$68.43	No	$86.82	$18.39
621	8-Dec-09	12	6	$67.69	No	$86.82	$19.13
622	8-Dec-09	12	7	$67.74	No	$86.82	$19.08
623	8-Dec-09	12	8	$67.74	No	$86.82	$19.08
624	8-Dec-09	12	9	$67.06	No	$86.82	$19.76
625	8-Dec-09	12	10	$69.04	No	$86.82	$17.78
626	8-Dec-09	12	11	$69.25	No	$86.82	$17.57
627	8-Dec-09	12	12	$66.46	No	$86.82	$20.36

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
628	8-Dec-09	13	1	$66.40	No	$86.82	$20.42
629	8-Dec-09	13	2	$63.14	No	$86.82	$23.68
630	8-Dec-09	13	3	$57.96	No	$86.82	$28.86
631	8-Dec-09	13	4	$58.06	No	$86.82	$28.76
632	8-Dec-09	13	5	$60.76	No	$86.82	$26.06
633	8-Dec-09	13	6	$63.27	No	$86.82	$23.55
634	8-Dec-09	13	7	$62.93	No	$86.82	$23.89
635	8-Dec-09	13	8	$62.93	No	$86.82	$23.89
636	8-Dec-09	13	9	$62.91	No	$86.82	$23.91
637	8-Dec-09	13	10	$62.22	No	$86.82	$24.60
638	8-Dec-09	13	11	$61.35	No	$86.82	$25.47
639	8-Dec-09	13	12	$60.78	No	$86.82	$26.04
640	8-Dec-09	14	1	$64.73	Yes	$84.44	$19.71
641	8-Dec-09	14	2	$62.96	Yes	$84.44	$21.48
642	8-Dec-09	14	3	$61.89	Yes	$84.44	$22.55
643	8-Dec-09	14	4	$63.15	Yes	$84.44	$21.29
644	8-Dec-09	14	5	$63.15	Yes	$84.44	$21.29
645	8-Dec-09	14	6	$63.13	Yes	$84.44	$21.31
646	8-Dec-09	14	7	$59.39	Yes	$84.44	$25.05
647	8-Dec-09	14	8	$60.35	Yes	$84.44	$24.09
648	8-Dec-09	14	9	$58.00	Yes	$84.44	$26.44
649	8-Dec-09	14	10	$57.73	Yes	$84.44	$26.71
650	8-Dec-09	14	11	$56.50	Yes	$84.44	$27.94
651	8-Dec-09	14	12	$54.94	Yes	$84.44	$29.50
652	8-Dec-09	15	1	$58.85	Yes	$84.44	$25.59
653	8-Dec-09	15	2	$58.85	Yes	$84.44	$25.59
654	8-Dec-09	15	3	$57.23	Yes	$84.44	$27.21
655	8-Dec-09	15	4	$59.36	Yes	$84.44	$25.08
656	8-Dec-09	15	5	$57.33	Yes	$84.44	$27.11
657	8-Dec-09	15	6	$55.80	Yes	$84.44	$28.64
658	8-Dec-09	15	7	$57.27	Yes	$84.44	$27.17
659	8-Dec-09	15	8	$53.75	Yes	$84.44	$30.69
660	8-Dec-09	15	9	$50.89	Yes	$84.44	$33.55
661	8-Dec-09	15	10	$50.58	Yes	$84.44	$33.86
662	8-Dec-09	15	11	$53.39	Yes	$84.44	$31.05
663	8-Dec-09	15	12	$46.42	Yes	$84.44	$38.02
664	8-Dec-09	16	1	$53.53	Yes	$84.44	$30.91
665	8-Dec-09	16	2	$59.00	Yes	$84.44	$25.44
666	8-Dec-09	16	3	$59.00	Yes	$84.44	$25.44
667	8-Dec-09	16	4	$59.09	Yes	$84.44	$25.35
668	8-Dec-09	16	5	$59.09	Yes	$84.44	$25.35
669	8-Dec-09	16	6	$59.09	Yes	$84.44	$25.35
670	8-Dec-09	16	7	$59.21	Yes	$84.44	$25.23
671	8-Dec-09	16	8	$59.21	Yes	$84.44	$25.23
672	8-Dec-09	16	9	$59.21	Yes	$84.44	$25.23

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
673	8-Dec-09	16	10	$59.60	Yes	$84.44	$24.84
674	8-Dec-09	16	11	$63.26	Yes	$84.44	$21.18
675	8-Dec-09	16	12	$63.26	Yes	$84.44	$21.18
676	8-Dec-09	17	1	$46.35	Yes	$84.44	$38.09
677	8-Dec-09	17	2	$45.62	Yes	$84.44	$38.82
678	8-Dec-09	17	3	$45.67	Yes	$84.44	$38.77
679	8-Dec-09	17	4	$47.13	Yes	$84.44	$37.31
680	8-Dec-09	17	5	$49.51	Yes	$84.44	$34.93
681	8-Dec-09	17	6	$59.25	Yes	$84.44	$25.19
682	8-Dec-09	17	7	$59.94	Yes	$84.44	$24.50
683	8-Dec-09	17	8	$62.10	Yes	$84.44	$22.34
684	8-Dec-09	17	9	$59.94	Yes	$84.44	$24.50
685	8-Dec-09	17	10	$82.88	Yes	$84.44	$1.56
686	8-Dec-09	17	11	$113.37	Yes	$84.44	-$28.93
687	8-Dec-09	17	12	$96.79	Yes	$84.44	-$12.35
688	8-Dec-09	18	1	$61.40	No	$84.44	$23.04
689	8-Dec-09	18	2	$61.14	No	$84.44	$23.30
690	8-Dec-09	18	3	$64.47	No	$84.44	$19.97
691	8-Dec-09	18	4	$64.08	No	$84.44	$20.36
692	8-Dec-09	18	5	$68.57	No	$84.44	$15.87
693	8-Dec-09	18	6	$68.57	No	$84.44	$15.87
694	8-Dec-09	18	7	$84.91	No	$84.44	-$0.47
695	8-Dec-09	18	8	$85.72	No	$84.44	-$1.28
696	8-Dec-09	18	9	$81.59	No	$84.44	$2.85
697	8-Dec-09	18	10	$71.38	No	$84.44	$13.06
698	8-Dec-09	18	11	$70.86	No	$84.44	$13.58
699	8-Dec-09	18	12	$70.94	No	$84.44	$13.50
700	8-Dec-09	19	1	$67.81	No	$86.82	$19.01
701	8-Dec-09	19	2	$69.14	Yes	$86.82	$17.68
702	8-Dec-09	19	3	$69.12	Yes	$86.82	$17.70
703	8-Dec-09	19	4	$64.22	Yes	$86.82	$22.60
704	8-Dec-09	19	5	$80.60	Yes	$86.82	$6.22
705	8-Dec-09	19	6	$65.75	Yes	$86.82	$21.07
706	8-Dec-09	19	7	$62.72	Yes	$86.82	$24.10
707	8-Dec-09	19	8	$65.28	Yes	$86.82	$21.54
708	8-Dec-09	19	9	$65.28	Yes	$86.82	$21.54
709	8-Dec-09	19	10	$52.02	Yes	$86.82	$34.80
710	8-Dec-09	19	11	$51.28	Yes	$86.82	$35.54
711	8-Dec-09	19	12	$50.64	Yes	$86.82	$36.18
712	8-Dec-09	20	1	$50.77	Yes	$86.82	$36.05
713	8-Dec-09	20	2	$50.77	Yes	$86.82	$36.05
714	8-Dec-09	20	3	$50.77	Yes	$86.82	$36.05
715	8-Dec-09	20	4	$50.10	Yes	$86.82	$36.72
716	8-Dec-09	20	5	$50.70	Yes	$86.82	$36.12
717	8-Dec-09	20	6	$51.09	Yes	$86.82	$35.73

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
718	8-Dec-09	20	7	$50.98	Yes	$86.82	$35.84
719	8-Dec-09	20	8	$50.61	Yes	$86.82	$36.21
720	8-Dec-09	20	9	$50.55	Yes	$86.82	$36.27
721	8-Dec-09	20	10	$63.99	Yes	$86.82	$22.83
722	8-Dec-09	20	11	$63.32	Yes	$86.82	$23.50
723	8-Dec-09	20	12	$61.65	Yes	$86.82	$25.17
724	8-Dec-09	21	1	$65.88	Yes	$86.82	$20.94
725	8-Dec-09	21	2	$63.64	Yes	$86.82	$23.18
726	8-Dec-09	21	3	$63.61	Yes	$86.82	$23.21
727	8-Dec-09	21	4	$62.87	Yes	$86.82	$23.95
728	8-Dec-09	21	5	$62.26	Yes	$86.82	$24.56
729	8-Dec-09	21	6	$59.06	Yes	$86.82	$27.76
730	8-Dec-09	21	7	$59.76	Yes	$86.82	$27.06
731	8-Dec-09	21	8	$59.11	Yes	$86.82	$27.71
732	8-Dec-09	21	9	$56.72	Yes	$86.82	$30.10
733	8-Dec-09	21	10	$57.01	Yes	$86.82	$29.81
734	8-Dec-09	21	11	$57.01	Yes	$86.82	$29.81
735	8-Dec-09	21	12	$46.81	Yes	$86.82	$40.01
736	8-Dec-09	22	1	$104.43	Yes	$86.82	-$17.61
737	8-Dec-09	22	2	$69.71	Yes	$86.82	$17.11
738	8-Dec-09	22	3	$65.52	Yes	$86.82	$21.30
739	8-Dec-09	22	4	$61.33	Yes	$86.82	$25.49
740	8-Dec-09	22	5	$63.11	Yes	$86.82	$23.71
741	8-Dec-09	22	6	$63.05	Yes	$86.82	$23.77
742	8-Dec-09	22	7	$57.07	Yes	$86.82	$29.75
743	8-Dec-09	22	8	$58.04	Yes	$86.82	$28.78
744	8-Dec-09	22	9	$57.07	Yes	$86.82	$29.75
745	8-Dec-09	22	10	$57.41	Yes	$86.82	$29.41
746	8-Dec-09	22	11	$45.56	Yes	$86.82	$41.26
747	8-Dec-09	22	12	$42.02	Yes	$86.82	$44.80

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	3-Dec-09	1	1	$37.45	Yes	$46.23	$8.78
2	3-Dec-09	1	2	$38.69	Yes	$46.23	$7.54
3	3-Dec-09	1	3	$36.92	Yes	$46.23	$9.31
4	3-Dec-09	1	4	$36.91	Yes	$46.23	$9.32
5	3-Dec-09	1	5	$36.91	Yes	$46.23	$9.32
6	3-Dec-09	1	6	$36.47	Yes	$46.23	$9.76
7	3-Dec-09	1	7	$36.02	Yes	$46.23	$10.21
8	3-Dec-09	1	8	$35.21	Yes	$46.23	$11.03

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
9	3-Dec-09	1	9	$35.19	Yes	$46.23	$11.04
10	3-Dec-09	1	10	$35.23	Yes	$46.23	$11.00
11	3-Dec-09	1	11	$32.57	Yes	$46.23	$13.66
12	3-Dec-09	1	12	$32.57	Yes	$46.23	$13.66
13	3-Dec-09	2	1	$33.30	Yes	$46.23	$12.93
14	3-Dec-09	2	2	$33.36	Yes	$46.23	$12.87
15	3-Dec-09	2	3	$33.24	Yes	$46.23	$12.99
16	3-Dec-09	2	4	$32.57	Yes	$46.23	$13.66
17	3-Dec-09	2	5	$32.57	Yes	$46.23	$13.66
18	3-Dec-09	2	6	$29.31	Yes	$46.23	$16.92
19	3-Dec-09	2	7	$28.97	Yes	$46.23	$17.26
20	3-Dec-09	2	8	$28.97	Yes	$46.23	$17.26
21	3-Dec-09	2	9	$28.61	Yes	$46.23	$17.62
22	3-Dec-09	2	10	$28.64	Yes	$46.23	$17.59
23	3-Dec-09	2	11	$28.64	Yes	$46.23	$17.59
24	3-Dec-09	2	12	$28.64	Yes	$46.23	$17.59
25	3-Dec-09	3	1	$32.49	Yes	$46.23	$13.74
26	3-Dec-09	3	2	$32.49	Yes	$46.23	$13.74
27	3-Dec-09	3	3	$29.24	Yes	$46.23	$16.99
28	3-Dec-09	3	4	$32.52	Yes	$46.23	$13.71
29	3-Dec-09	3	5	$32.52	Yes	$46.23	$13.71
30	3-Dec-09	3	6	$29.27	Yes	$46.23	$16.96
31	3-Dec-09	3	7	$29.26	Yes	$46.23	$16.97
32	3-Dec-09	3	8	$28.89	Yes	$46.23	$17.34
33	3-Dec-09	3	9	$29.26	Yes	$46.23	$16.97
34	3-Dec-09	3	10	$29.23	Yes	$46.23	$17.00
35	3-Dec-09	3	11	$29.23	Yes	$46.23	$17.00
36	3-Dec-09	3	12	$32.47	Yes	$46.23	$13.76
37	3-Dec-09	4	1	$32.39	Yes	$46.23	$13.84
38	3-Dec-09	4	2	$32.39	Yes	$46.23	$13.84
39	3-Dec-09	4	3	$32.39	Yes	$46.23	$13.84
40	3-Dec-09	4	4	$32.50	Yes	$46.23	$13.73
41	3-Dec-09	4	5	$32.50	Yes	$46.23	$13.73
42	3-Dec-09	4	6	$32.87	Yes	$46.23	$13.36
43	3-Dec-09	4	7	$32.85	Yes	$46.23	$13.38
44	3-Dec-09	4	8	$32.96	Yes	$46.23	$13.27
45	3-Dec-09	4	9	$32.96	Yes	$46.23	$13.27
46	3-Dec-09	4	10	$33.24	Yes	$46.23	$12.99
47	3-Dec-09	4	11	$32.97	Yes	$46.23	$13.26
48	3-Dec-09	4	12	$35.02	Yes	$46.23	$11.21
49	3-Dec-09	5	1	$34.99	Yes	$46.23	$11.24
50	3-Dec-09	5	2	$33.34	Yes	$46.23	$12.89
51	3-Dec-09	5	3	$32.50	Yes	$46.23	$13.73
52	3-Dec-09	5	4	$32.64	Yes	$46.23	$13.59
53	3-Dec-09	5	5	$33.49	Yes	$46.23	$12.74

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
54	3-Dec-09	5	6	$35.22	Yes	$46.23	$11.01
55	3-Dec-09	5	7	$36.17	Yes	$46.23	$10.06
56	3-Dec-09	5	8	$36.17	Yes	$46.23	$10.06
57	3-Dec-09	5	9	$37.26	Yes	$46.23	$8.97
58	3-Dec-09	5	10	$39.30	Yes	$46.23	$6.93
59	3-Dec-09	5	11	$39.60	Yes	$46.23	$6.63
60	3-Dec-09	5	12	$39.74	Yes	$46.23	$6.49
61	3-Dec-09	6	1	$29.27	Yes	$46.23	$16.96
62	3-Dec-09	6	2	$33.28	Yes	$46.23	$12.95
63	3-Dec-09	6	3	$34.51	Yes	$46.23	$11.72
64	3-Dec-09	6	4	$35.33	Yes	$46.23	$10.90
65	3-Dec-09	6	5	$40.09	Yes	$46.23	$6.14
66	3-Dec-09	6	6	$40.58	Yes	$46.23	$5.65
67	3-Dec-09	6	7	$41.42	Yes	$46.23	$4.81
68	3-Dec-09	6	8	$44.28	Yes	$46.23	$1.95
69	3-Dec-09	6	9	$44.28	Yes	$46.23	$1.95
70	3-Dec-09	6	10	$61.94	Yes	$46.23	-$15.71
71	3-Dec-09	6	11	$62.50	Yes	$46.23	-$16.27
72	3-Dec-09	6	12	$71.41	Yes	$46.23	-$25.18
73	3-Dec-09	7	1	$36.08	Yes	$46.23	$10.15
74	3-Dec-09	7	2	$36.15	Yes	$46.23	$10.08
75	3-Dec-09	7	3	$38.69	Yes	$46.23	$7.54
76	3-Dec-09	7	4	$40.58	Yes	$46.23	$5.65
77	3-Dec-09	7	5	$47.05	Yes	$46.23	-$0.82
78	3-Dec-09	7	6	$62.75	Yes	$46.23	-$16.52
79	3-Dec-09	7	7	$47.57	Yes	$46.23	-$1.34
80	3-Dec-09	7	8	$46.23	Yes	$46.23	$0.00
81	3-Dec-09	7	9	$49.57	Yes	$46.23	-$3.34
82	3-Dec-09	7	10	$56.93	Yes	$46.23	-$10.70
83	3-Dec-09	7	11	$57.21	Yes	$46.23	-$10.98
84	3-Dec-09	7	12	$57.21	Yes	$46.23	-$10.98
85	3-Dec-09	8	1	$41.94	Yes	$46.23	$4.29
86	3-Dec-09	8	2	$46.23	Yes	$46.23	$0.00
87	3-Dec-09	8	3	$49.26	Yes	$46.23	-$3.03
88	3-Dec-09	8	4	$51.81	Yes	$46.23	-$5.58
89	3-Dec-09	8	5	$53.57	Yes	$46.23	-$7.34
90	3-Dec-09	8	6	$59.12	Yes	$46.23	-$12.89
91	3-Dec-09	8	7	$57.32	Yes	$46.23	-$11.09
92	3-Dec-09	8	8	$53.53	Yes	$46.23	-$7.30
93	3-Dec-09	8	9	$56.76	Yes	$46.23	-$10.53
94	3-Dec-09	8	10	$57.44	Yes	$46.23	-$11.21
95	3-Dec-09	8	11	$55.53	Yes	$46.23	-$9.30
96	3-Dec-09	8	12	$53.50	Yes	$46.23	-$7.27
97	3-Dec-09	9	1	$50.16	Yes	$46.23	-$3.93
98	3-Dec-09	9	2	$48.22	Yes	$46.23	-$1.99

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
99	3-Dec-09	9	3	$47.13	Yes	$46.23	-$0.90
100	3-Dec-09	9	4	$40.44	Yes	$46.23	$5.79
101	3-Dec-09	9	5	$44.28	Yes	$46.23	$1.95
102	3-Dec-09	9	6	$47.07	Yes	$46.23	-$0.84
103	3-Dec-09	9	7	$47.11	Yes	$46.23	-$0.88
104	3-Dec-09	9	8	$49.02	Yes	$46.23	-$2.79
105	3-Dec-09	9	9	$49.25	Yes	$46.23	-$3.02
106	3-Dec-09	9	10	$51.70	Yes	$46.23	-$5.47
107	3-Dec-09	9	11	$53.47	Yes	$46.23	-$7.24
108	3-Dec-09	9	12	$51.33	Yes	$46.23	-$5.10
109	3-Dec-09	10	1	$48.42	Yes	$46.23	-$2.19
110	3-Dec-09	10	2	$48.42	Yes	$46.23	-$2.19
111	3-Dec-09	10	3	$48.42	Yes	$46.23	-$2.19
112	3-Dec-09	10	4	$47.16	Yes	$46.23	-$0.93
113	3-Dec-09	10	5	$48.51	Yes	$46.23	-$2.28
114	3-Dec-09	10	6	$45.21	Yes	$46.23	$1.02
115	3-Dec-09	10	7	$47.20	Yes	$46.23	-$0.97
116	3-Dec-09	10	8	$47.20	Yes	$46.23	-$0.97
117	3-Dec-09	10	9	$48.21	Yes	$46.23	-$1.98
118	3-Dec-09	10	10	$48.50	Yes	$46.23	-$2.27
119	3-Dec-09	10	11	$49.01	Yes	$46.23	-$2.78
120	3-Dec-09	10	12	$48.66	Yes	$46.23	-$2.43
121	3-Dec-09	11	1	$48.98	Yes	$46.23	-$2.75
122	3-Dec-09	11	2	$49.66	Yes	$46.23	-$3.43
123	3-Dec-09	11	3	$50.16	Yes	$46.23	-$3.93
124	3-Dec-09	11	4	$48.78	Yes	$46.23	-$2.55
125	3-Dec-09	11	5	$48.78	Yes	$46.23	-$2.55
126	3-Dec-09	11	6	$48.16	Yes	$46.23	-$1.93
127	3-Dec-09	11	7	$47.86	Yes	$46.23	-$1.63
128	3-Dec-09	11	8	$47.86	Yes	$46.23	-$1.63
129	3-Dec-09	11	9	$47.11	Yes	$46.23	-$0.88
130	3-Dec-09	11	10	$48.97	Yes	$46.23	-$2.74
131	3-Dec-09	11	11	$47.18	Yes	$46.23	-$0.95
132	3-Dec-09	11	12	$45.48	Yes	$46.23	$0.75
133	3-Dec-09	12	1	$48.91	Yes	$46.23	-$2.68
134	3-Dec-09	12	2	$48.91	Yes	$46.23	-$2.68
135	3-Dec-09	12	3	$47.98	Yes	$46.23	-$1.75
136	3-Dec-09	12	4	$48.70	Yes	$46.23	-$2.47
137	3-Dec-09	12	5	$48.96	Yes	$46.23	-$2.73
138	3-Dec-09	12	6	$48.81	Yes	$46.23	-$2.58
139	3-Dec-09	12	7	$47.21	Yes	$46.23	-$0.98
140	3-Dec-09	12	8	$47.21	Yes	$46.23	-$0.98
141	3-Dec-09	12	9	$44.17	Yes	$46.23	$2.06
142	3-Dec-09	12	10	$41.17	Yes	$46.23	$5.06
143	3-Dec-09	12	11	$41.17	Yes	$46.23	$5.06

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
144	3-Dec-09	12	12	$41.11	Yes	$46.23	$5.12
145	3-Dec-09	13	1	$41.05	Yes	$46.23	$5.18
146	3-Dec-09	13	2	$38.87	Yes	$46.23	$7.36
147	3-Dec-09	13	3	$39.53	Yes	$46.23	$6.70
148	3-Dec-09	13	4	$39.53	Yes	$46.23	$6.70
149	3-Dec-09	13	5	$39.72	Yes	$46.23	$6.51
150	3-Dec-09	13	6	$39.72	Yes	$46.23	$6.51
151	3-Dec-09	13	7	$39.75	Yes	$46.23	$6.48
152	3-Dec-09	13	8	$39.75	Yes	$46.23	$6.48
153	3-Dec-09	13	9	$41.16	Yes	$46.23	$5.07
154	3-Dec-09	13	10	$41.20	Yes	$46.23	$5.03
155	3-Dec-09	13	11	$42.02	Yes	$46.23	$4.21
156	3-Dec-09	13	12	$45.23	Yes	$46.23	$1.00
157	3-Dec-09	14	1	$45.21	Yes	$46.23	$1.02
158	3-Dec-09	14	2	$45.21	Yes	$46.23	$1.02
159	3-Dec-09	14	3	$42.68	Yes	$46.23	$3.55
160	3-Dec-09	14	4	$41.26	Yes	$46.23	$4.97
161	3-Dec-09	14	5	$42.91	Yes	$46.23	$3.32
162	3-Dec-09	14	6	$41.26	Yes	$46.23	$4.97
163	3-Dec-09	14	7	$42.59	Yes	$46.23	$3.64
164	3-Dec-09	14	8	$42.59	Yes	$46.23	$3.64
165	3-Dec-09	14	9	$42.59	Yes	$46.23	$3.64
166	3-Dec-09	14	10	$42.65	Yes	$46.23	$3.58
167	3-Dec-09	14	11	$42.65	Yes	$46.23	$3.58
168	3-Dec-09	14	12	$42.02	Yes	$46.23	$4.21
169	3-Dec-09	15	1	$42.64	Yes	$46.23	$3.59
170	3-Dec-09	15	2	$42.64	Yes	$46.23	$3.59
171	3-Dec-09	15	3	$42.64	Yes	$46.23	$3.59
172	3-Dec-09	15	4	$42.57	Yes	$46.23	$3.66
173	3-Dec-09	15	5	$41.19	Yes	$46.23	$5.04
174	3-Dec-09	15	6	$41.19	Yes	$46.23	$5.04
175	3-Dec-09	15	7	$41.01	Yes	$46.23	$5.22
176	3-Dec-09	15	8	$41.01	Yes	$46.23	$5.22
177	3-Dec-09	15	9	$41.01	Yes	$46.23	$5.22
178	3-Dec-09	15	10	$41.01	Yes	$46.23	$5.22
179	3-Dec-09	15	11	$40.82	Yes	$46.23	$5.41
180	3-Dec-09	15	12	$39.80	Yes	$46.23	$6.43
181	3-Dec-09	16	1	$39.76	Yes	$46.23	$6.47
182	3-Dec-09	16	2	$39.26	Yes	$46.23	$6.97
183	3-Dec-09	16	3	$38.26	Yes	$46.23	$7.97
184	3-Dec-09	16	4	$38.23	Yes	$46.23	$8.00
185	3-Dec-09	16	5	$37.12	Yes	$46.23	$9.11
186	3-Dec-09	16	6	$35.59	Yes	$46.23	$10.64
187	3-Dec-09	16	7	$38.24	Yes	$46.23	$7.99
188	3-Dec-09	16	7	$38.24	Yes	$51.34	$13.10

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
189	3-Dec-09	16	8	$37.77	Yes	$51.34	$13.57
190	3-Dec-09	16	8	$37.77	Yes	$46.23	$8.46
191	3-Dec-09	16	9	$37.77	Yes	$51.34	$13.57
192	3-Dec-09	16	9	$37.77	Yes	$46.23	$8.46
193	3-Dec-09	16	10	$35.51	Yes	$51.34	$15.83
194	3-Dec-09	16	10	$35.51	Yes	$46.23	$10.72
195	3-Dec-09	16	11	$35.51	Yes	$51.34	$15.83
196	3-Dec-09	16	11	$35.51	Yes	$46.23	$10.72
197	3-Dec-09	16	12	$31.93	Yes	$51.34	$19.41
198	3-Dec-09	16	12	$31.93	Yes	$46.23	$14.30
199	3-Dec-09	17	1	$28.17	Yes	$51.34	$23.17
200	3-Dec-09	17	1	$28.17	Yes	$46.23	$18.06
201	3-Dec-09	17	2	$25.14	Yes	$51.34	$26.20
202	3-Dec-09	17	2	$25.14	Yes	$46.23	$21.09
203	3-Dec-09	17	3	$25.96	Yes	$46.23	$20.27
204	3-Dec-09	17	3	$25.96	Yes	$51.34	$25.38
205	3-Dec-09	17	4	$28.61	Yes	$46.23	$17.62
206	3-Dec-09	17	4	$28.61	Yes	$51.34	$22.73
207	3-Dec-09	17	5	$29.36	Yes	$51.34	$21.98
208	3-Dec-09	17	5	$29.36	Yes	$46.23	$16.87
209	3-Dec-09	17	6	$31.57	Yes	$46.23	$14.66
210	3-Dec-09	17	6	$31.57	Yes	$51.34	$19.77
211	3-Dec-09	17	7	$35.34	Yes	$51.34	$16.00
212	3-Dec-09	17	7	$35.34	Yes	$46.23	$10.89
213	3-Dec-09	17	8	$37.96	Yes	$51.34	$13.38
214	3-Dec-09	17	8	$37.96	Yes	$46.23	$8.27
215	3-Dec-09	17	9	$41.63	Yes	$46.23	$4.60
216	3-Dec-09	17	9	$41.63	Yes	$51.34	$9.71
217	3-Dec-09	17	10	$40.00	Yes	$51.34	$11.34
218	3-Dec-09	17	10	$40.00	Yes	$46.23	$6.23
219	3-Dec-09	17	11	$44.67	Yes	$46.23	$1.56
220	3-Dec-09	17	11	$44.67	Yes	$51.34	$6.67
221	3-Dec-09	17	12	$51.96	Yes	$51.34	-$0.62
222	3-Dec-09	17	12	$51.96	Yes	$46.23	-$5.73
223	3-Dec-09	18	1	$44.81	Yes	$51.34	$6.53
224	3-Dec-09	18	1	$44.81	Yes	$46.23	$1.42
225	3-Dec-09	18	2	$45.29	Yes	$51.34	$6.05
226	3-Dec-09	18	2	$45.29	Yes	$46.23	$0.94
227	3-Dec-09	18	3	$47.05	Yes	$46.23	-$0.82
228	3-Dec-09	18	3	$47.05	Yes	$51.34	$4.29
229	3-Dec-09	18	4	$67.18	Yes	$51.34	-$15.84
230	3-Dec-09	18	4	$67.18	Yes	$46.23	-$20.95
231	3-Dec-09	18	5	$108.41	Yes	$46.23	-$62.18
232	3-Dec-09	18	5	$108.41	Yes	$51.34	-$57.07
233	3-Dec-09	18	6	$164.32	Yes	$46.23	-$118.09

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
234	3-Dec-09	18	6	$164.32	Yes	$51.34	-$112.98
235	3-Dec-09	18	7	$306.47	Yes	$51.34	-$255.13
236	3-Dec-09	18	7	$306.47	Yes	$46.23	-$260.24
237	3-Dec-09	18	8	$308.52	Yes	$46.23	-$262.29
238	3-Dec-09	18	8	$308.52	Yes	$51.34	-$257.18
239	3-Dec-09	18	9	$174.22	Yes	$51.34	-$122.88
240	3-Dec-09	18	9	$174.22	Yes	$46.23	-$127.99
241	3-Dec-09	18	10	$25.84	Yes	$51.34	$25.50
242	3-Dec-09	18	10	$25.84	Yes	$46.23	$20.39
243	3-Dec-09	18	11	$13.46	Yes	$51.34	$37.88
244	3-Dec-09	18	11	$13.46	Yes	$46.23	$32.77
245	3-Dec-09	18	12	-$6.86	Yes	$51.34	$58.20
246	3-Dec-09	18	12	-$6.86	Yes	$46.23	$53.09
247	3-Dec-09	19	1	$7.08	Yes	$46.23	$39.15
248	3-Dec-09	19	1	$7.08	Yes	$51.34	$44.26
249	3-Dec-09	19	2	$3.62	Yes	$51.34	$47.72
250	3-Dec-09	19	2	$3.62	Yes	$46.23	$42.61
251	3-Dec-09	19	3	-$9.35	Yes	$46.23	$55.58
252	3-Dec-09	19	3	-$9.35	Yes	$51.34	$60.69
253	3-Dec-09	19	4	$43.48	Yes	$51.34	$7.86
254	3-Dec-09	19	4	$43.48	Yes	$46.23	$2.75
255	3-Dec-09	19	5	$42.64	Yes	$51.34	$8.70
256	3-Dec-09	19	5	$42.64	Yes	$46.23	$3.59
257	3-Dec-09	19	6	$41.73	Yes	$51.34	$9.61
258	3-Dec-09	19	6	$41.73	Yes	$46.23	$4.50
259	3-Dec-09	19	7	$42.64	Yes	$51.34	$8.70
260	3-Dec-09	19	7	$42.64	Yes	$46.23	$3.59
261	3-Dec-09	19	8	$45.15	Yes	$51.34	$6.19
262	3-Dec-09	19	8	$45.15	Yes	$46.23	$1.08
263	3-Dec-09	19	9	$45.15	Yes	$46.23	$1.08
264	3-Dec-09	19	9	$45.15	Yes	$51.34	$6.19
265	3-Dec-09	19	10	$47.07	Yes	$46.23	-$0.84
266	3-Dec-09	19	10	$47.07	Yes	$51.34	$4.27
267	3-Dec-09	19	11	$47.07	Yes	$46.23	-$0.84
268	3-Dec-09	19	11	$47.07	Yes	$51.34	$4.27
269	3-Dec-09	19	12	$46.13	Yes	$51.34	$5.21
270	3-Dec-09	19	12	$46.13	Yes	$46.23	$0.10
271	3-Dec-09	20	1	$51.34	Yes	$46.23	-$5.11
272	3-Dec-09	20	1	$51.34	Yes	$51.34	$0.00
273	3-Dec-09	20	2	$51.34	Yes	$46.23	-$5.11
274	3-Dec-09	20	2	$51.34	Yes	$51.34	$0.00
275	3-Dec-09	20	3	$52.72	Yes	$51.34	-$1.38
276	3-Dec-09	20	3	$52.72	Yes	$46.23	-$6.49
277	3-Dec-09	20	4	$53.19	Yes	$46.23	-$6.96
278	3-Dec-09	20	4	$53.19	Yes	$51.34	-$1.85

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
279	3-Dec-09	20	5	$52.75	Yes	$46.23	-$6.52
280	3-Dec-09	20	5	$52.75	Yes	$51.34	-$1.41
281	3-Dec-09	20	6	$52.17	Yes	$46.23	-$5.94
282	3-Dec-09	20	6	$52.17	Yes	$51.34	-$0.83
283	3-Dec-09	20	7	$50.77	Yes	$51.34	$0.57
284	3-Dec-09	20	7	$50.77	Yes	$46.23	-$4.54
285	3-Dec-09	20	8	$50.70	Yes	$51.34	$0.64
286	3-Dec-09	20	8	$50.70	Yes	$46.23	-$4.47
287	3-Dec-09	20	9	$47.07	Yes	$46.23	-$0.84
288	3-Dec-09	20	9	$47.07	Yes	$51.34	$4.27
289	3-Dec-09	20	10	$62.32	Yes	$51.34	-$10.98
290	3-Dec-09	20	10	$62.32	Yes	$46.23	-$16.09
291	3-Dec-09	20	11	$52.77	Yes	$51.34	-$1.43
292	3-Dec-09	20	11	$52.77	Yes	$46.23	-$6.54
293	3-Dec-09	20	12	$62.32	Yes	$46.23	-$16.09
294	3-Dec-09	20	12	$62.32	Yes	$51.34	-$10.98
295	3-Dec-09	21	1	$62.28	Yes	$46.23	-$16.05
296	3-Dec-09	21	1	$62.28	Yes	$51.34	-$10.94
297	3-Dec-09	21	2	$59.94	Yes	$46.23	-$13.71
298	3-Dec-09	21	2	$59.94	Yes	$51.34	-$8.60
299	3-Dec-09	21	3	$57.66	Yes	$51.34	-$6.32
300	3-Dec-09	21	3	$57.66	Yes	$46.23	-$11.43
301	3-Dec-09	21	4	$56.30	Yes	$51.34	-$4.96
302	3-Dec-09	21	4	$56.30	Yes	$46.23	-$10.07
303	3-Dec-09	21	5	$56.30	Yes	$51.34	-$4.96
304	3-Dec-09	21	5	$56.30	Yes	$46.23	-$10.07
305	3-Dec-09	21	6	$56.30	Yes	$51.34	-$4.96
306	3-Dec-09	21	6	$56.30	Yes	$46.23	-$10.07
307	3-Dec-09	21	7	$48.73	Yes	$51.34	$2.61
308	3-Dec-09	21	7	$48.73	Yes	$46.23	-$2.50
309	3-Dec-09	21	8	$45.10	Yes	$51.34	$6.24
310	3-Dec-09	21	8	$45.10	Yes	$46.23	$1.13
311	3-Dec-09	21	9	$45.10	Yes	$46.23	$1.13
312	3-Dec-09	21	9	$45.10	Yes	$51.34	$6.24
313	3-Dec-09	21	10	$45.02	Yes	$51.34	$6.32
314	3-Dec-09	21	10	$45.02	Yes	$46.23	$1.21
315	3-Dec-09	21	11	$41.71	Yes	$46.23	$4.52
316	3-Dec-09	21	11	$41.71	Yes	$51.34	$9.63
317	3-Dec-09	21	12	$41.94	Yes	$51.34	$9.40
318	3-Dec-09	21	12	$41.94	Yes	$46.23	$4.29
319	3-Dec-09	22	1	$54.12	Yes	$46.23	-$7.89
320	3-Dec-09	22	1	$54.12	Yes	$51.34	-$2.78
321	3-Dec-09	22	2	$51.37	Yes	$46.23	-$5.14
322	3-Dec-09	22	2	$51.37	Yes	$51.34	-$0.03
323	3-Dec-09	22	3	$47.14	Yes	$51.34	$4.20

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
324	3-Dec-09	22	3	$47.14	Yes	$46.23	-$0.91
325	3-Dec-09	22	4	$45.00	Yes	$46.23	$1.23
326	3-Dec-09	22	4	$45.00	Yes	$51.34	$6.34
327	3-Dec-09	22	5	$45.00	Yes	$51.34	$6.34
328	3-Dec-09	22	5	$45.00	Yes	$46.23	$1.23
329	3-Dec-09	22	6	$45.00	Yes	$51.34	$6.34
330	3-Dec-09	22	6	$45.00	Yes	$46.23	$1.23
331	3-Dec-09	22	7	$41.04	Yes	$51.34	$10.30
332	3-Dec-09	22	7	$41.04	Yes	$46.23	$5.19
333	3-Dec-09	22	8	$41.04	Yes	$46.23	$5.19
334	3-Dec-09	22	8	$41.04	Yes	$51.34	$10.30
335	3-Dec-09	22	9	$39.65	Yes	$51.34	$11.69
336	3-Dec-09	22	9	$39.65	Yes	$46.23	$6.58
337	3-Dec-09	22	10	$36.82	Yes	$51.34	$14.52
338	3-Dec-09	22	10	$36.82	Yes	$46.23	$9.41
339	3-Dec-09	22	11	$32.29	Yes	$51.34	$19.05
340	3-Dec-09	22	11	$32.29	Yes	$46.23	$13.94
341	3-Dec-09	22	12	$29.73	Yes	$46.23	$16.50
342	3-Dec-09	22	12	$29.73	Yes	$51.34	$21.61
343	3-Dec-09	23	1	$48.65	Yes	$46.23	-$2.42
344	3-Dec-09	23	2	$40.69	Yes	$46.23	$5.54
345	3-Dec-09	23	3	$40.63	Yes	$46.23	$5.60
346	3-Dec-09	23	4	$40.30	Yes	$46.23	$5.93
347	3-Dec-09	23	5	$40.80	Yes	$46.23	$5.43
348	3-Dec-09	23	6	$53.34	Yes	$46.23	-$7.11
349	3-Dec-09	23	7	$42.21	Yes	$46.23	$4.02
350	3-Dec-09	23	8	$61.17	Yes	$46.23	-$14.94
351	3-Dec-09	23	9	$42.21	Yes	$46.23	$4.02
352	3-Dec-09	23	10	$41.06	Yes	$46.23	$5.17
353	3-Dec-09	23	11	$40.67	Yes	$46.23	$5.56
354	3-Dec-09	23	12	$36.26	Yes	$46.23	$9.97
355	3-Dec-09	24	1	$46.90	Yes	$46.23	-$0.67
356	3-Dec-09	24	2	$40.59	Yes	$46.23	$5.64
357	3-Dec-09	24	3	$38.47	Yes	$46.23	$7.76
358	3-Dec-09	24	4	$39.22	Yes	$46.23	$7.01
359	3-Dec-09	24	5	$39.22	Yes	$46.23	$7.01
360	3-Dec-09	24	6	$36.60	Yes	$46.23	$9.63
361	3-Dec-09	24	7	$35.26	Yes	$46.23	$10.97
362	3-Dec-09	24	8	$34.23	Yes	$46.23	$12.00
363	3-Dec-09	24	9	$32.27	Yes	$46.23	$13.96
364	3-Dec-09	24	10	$29.57	Yes	$46.23	$16.66
365	3-Dec-09	24	11	$28.87	Yes	$46.23	$17.36
366	3-Dec-09	24	12	$20.70	Yes	$46.23	$25.53
367	4-Dec-09	17	2	$37.71	Yes	$48.81	$11.10
368	4-Dec-09	17	3	$38.69	Yes	$48.81	$10.12

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
369	4-Dec-09	17	4	$37.78	Yes	$48.81	$11.03
370	4-Dec-09	17	5	$38.69	Yes	$48.81	$10.12
371	4-Dec-09	17	6	$40.36	Yes	$48.81	$8.45
372	4-Dec-09	17	7	$43.73	Yes	$48.81	$5.08
373	4-Dec-09	17	8	$44.44	Yes	$48.81	$4.37
374	4-Dec-09	17	9	$52.63	Yes	$48.81	-$3.82
375	4-Dec-09	17	10	$12.10	Yes	$48.81	$36.71
376	4-Dec-09	17	11	$58.91	Yes	$48.81	-$10.10
377	4-Dec-09	17	12	$58.91	Yes	$48.81	-$10.10
378	4-Dec-09	18	1	$19.07	Yes	$48.81	$29.74
379	4-Dec-09	18	2	$3.15	Yes	$48.81	$45.66
380	4-Dec-09	18	3	$44.41	Yes	$48.81	$4.40
381	4-Dec-09	18	4	-$13.20	Yes	$48.81	$62.01
382	4-Dec-09	18	5	$19.35	Yes	$48.81	$29.46
383	4-Dec-09	18	6	$37.23	Yes	$48.81	$11.58
384	4-Dec-09	18	7	-$0.41	Yes	$48.81	$49.22
385	4-Dec-09	18	8	$5.34	Yes	$48.81	$43.47
386	4-Dec-09	18	9	$29.01	Yes	$48.81	$19.80
387	4-Dec-09	18	10	$39.34	Yes	$48.81	$9.47
388	4-Dec-09	18	11	$43.75	Yes	$48.81	$5.06
389	4-Dec-09	18	12	$39.22	Yes	$48.81	$9.59
390	8-Dec-09	15	3	$51.29	Yes	$53.59	$2.30
391	8-Dec-09	15	4	$52.76	Yes	$53.59	$0.83
392	8-Dec-09	15	5	$50.96	Yes	$53.59	$2.63
393	8-Dec-09	15	6	$49.60	Yes	$53.59	$3.99
394	8-Dec-09	15	7	$51.01	Yes	$53.59	$2.58
395	8-Dec-09	15	8	$47.87	Yes	$53.59	$5.72
396	8-Dec-09	15	9	$45.33	Yes	$53.59	$8.26
397	8-Dec-09	15	10	$45.36	Yes	$53.59	$8.23
398	8-Dec-09	15	11	$47.88	Yes	$53.59	$5.71
399	8-Dec-09	15	12	$41.62	Yes	$53.59	$11.97
400	8-Dec-09	16	1	$47.89	Yes	$53.59	$5.70
401	8-Dec-09	16	2	$52.79	Yes	$53.59	$0.80
402	8-Dec-09	16	3	$52.79	Yes	$53.59	$0.80
403	8-Dec-09	16	4	$52.70	Yes	$53.59	$0.89
404	8-Dec-09	16	5	$52.70	Yes	$53.59	$0.89
405	8-Dec-09	16	6	$52.70	Yes	$53.59	$0.89
406	8-Dec-09	16	7	$52.67	Yes	$53.59	$0.92
407	8-Dec-09	16	8	$52.67	Yes	$53.59	$0.92
408	8-Dec-09	16	9	$52.67	Yes	$53.59	$0.92
409	8-Dec-09	16	10	$52.90	Yes	$53.59	$0.69
410	8-Dec-09	16	11	$56.15	Yes	$53.59	-$2.56
411	8-Dec-09	16	12	$56.15	Yes	$53.59	-$2.56
412	8-Dec-09	17	1	$41.41	Yes	$53.59	$12.18
413	8-Dec-09	17	2	$40.76	Yes	$53.59	$12.83

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
414	8-Dec-09	17	3	$40.80	Yes	$53.59	$12.79
415	8-Dec-09	17	4	$41.82	Yes	$53.59	$11.77
416	8-Dec-09	17	5	$43.93	Yes	$53.59	$9.66
417	8-Dec-09	17	6	$52.58	Yes	$53.59	$1.01
418	8-Dec-09	17	7	$52.75	Yes	$53.59	$0.84
419	8-Dec-09	17	8	$54.65	Yes	$53.59	-$1.06
420	8-Dec-09	17	9	$52.75	Yes	$53.59	$0.84
421	8-Dec-09	17	10	$72.23	Yes	$53.59	-$18.64
422	8-Dec-09	17	11	$98.80	Yes	$53.59	-$45.21
423	8-Dec-09	17	12	$84.36	Yes	$53.59	-$30.77
424	8-Dec-09	18	1	$55.43	Yes	$53.59	-$1.84
425	8-Dec-09	18	2	$55.20	Yes	$53.59	-$1.61
426	8-Dec-09	18	3	$58.21	Yes	$53.59	-$4.62
427	8-Dec-09	18	4	$57.22	Yes	$53.59	-$3.63
428	8-Dec-09	18	5	$61.23	Yes	$53.59	-$7.64
429	8-Dec-09	18	6	$61.23	Yes	$53.59	-$7.64
430	8-Dec-09	18	7	$75.75	Yes	$53.59	-$22.16
431	8-Dec-09	18	8	$76.48	Yes	$53.59	-$22.89
432	8-Dec-09	18	9	$72.78	Yes	$53.59	-$19.19
433	8-Dec-09	18	10	$63.30	Yes	$53.59	-$9.71
434	8-Dec-09	18	11	$62.84	Yes	$53.59	-$9.25
435	8-Dec-09	18	12	$62.91	Yes	$53.59	-$9.32
436	8-Dec-09	19	1	$60.33	Yes	$53.59	-$6.74
437	8-Dec-09	19	2	$61.52	Yes	$53.59	-$7.93
438	8-Dec-09	19	3	$61.50	Yes	$53.59	-$7.91
439	8-Dec-09	19	4	$57.52	Yes	$53.59	-$3.93
440	8-Dec-09	19	5	$72.19	Yes	$53.59	-$18.60
441	8-Dec-09	19	6	$58.89	Yes	$53.59	-$5.30
442	8-Dec-09	19	7	$58.36	Yes	$53.59	-$4.77
443	8-Dec-09	19	8	$60.75	Yes	$53.59	-$7.16
444	8-Dec-09	19	9	$60.75	Yes	$53.59	-$7.16
445	8-Dec-09	19	10	$59.49	Yes	$53.59	-$5.90
446	8-Dec-09	19	11	$58.64	Yes	$53.59	-$5.05
447	8-Dec-09	19	12	$57.91	Yes	$53.59	-$4.32
448	8-Dec-09	20	1	$57.85	Yes	$53.59	-$4.26
449	8-Dec-09	20	2	$57.85	Yes	$53.59	-$4.26
450	8-Dec-09	20	3	$57.85	Yes	$53.59	-$4.26
451	8-Dec-09	20	4	$57.28	Yes	$53.59	-$3.69
452	8-Dec-09	20	5	$57.97	Yes	$53.59	-$4.38
453	8-Dec-09	20	6	$58.43	Yes	$53.59	-$4.84
454	8-Dec-09	20	7	$58.42	Yes	$53.59	-$4.83
455	8-Dec-09	20	8	$58.00	Yes	$53.59	-$4.41
456	8-Dec-09	20	9	$57.92	Yes	$53.59	-$4.33
457	8-Dec-09	20	10	$58.17	Yes	$53.59	-$4.58
458	8-Dec-09	20	11	$57.55	Yes	$53.59	-$3.96

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
459	8-Dec-09	20	12	$56.04	Yes	$53.59	-$2.45
460	11-Dec-09	2	1	$40.72	Yes	$48.96	$8.24
461	11-Dec-09	2	2	$40.38	Yes	$48.96	$8.58
462	11-Dec-09	2	3	$39.32	Yes	$48.96	$9.64
463	11-Dec-09	2	4	$38.78	Yes	$48.96	$10.18
464	11-Dec-09	2	5	$38.78	Yes	$48.96	$10.18
465	11-Dec-09	2	6	$38.25	Yes	$48.96	$10.71
466	11-Dec-09	2	7	$37.88	Yes	$48.96	$11.08
467	11-Dec-09	2	8	$38.02	Yes	$48.96	$10.94
468	11-Dec-09	2	9	$38.01	Yes	$48.96	$10.95
469	11-Dec-09	2	10	$37.08	Yes	$48.96	$11.88
470	11-Dec-09	2	11	$37.84	Yes	$48.96	$11.12
471	11-Dec-09	2	12	$37.02	Yes	$48.96	$11.94
472	11-Dec-09	3	1	$34.38	Yes	$48.96	$14.58
473	11-Dec-09	3	2	$36.14	Yes	$48.96	$12.82
474	11-Dec-09	3	3	$36.04	Yes	$48.96	$12.92
475	11-Dec-09	3	4	$36.05	Yes	$48.96	$12.91
476	11-Dec-09	3	5	$36.03	Yes	$48.96	$12.93
477	11-Dec-09	3	6	$34.87	Yes	$48.96	$14.09
478	11-Dec-09	3	7	$35.26	Yes	$48.96	$13.70
479	11-Dec-09	3	8	$35.26	Yes	$48.96	$13.70
480	11-Dec-09	3	9	$34.87	Yes	$48.96	$14.09
481	11-Dec-09	3	10	$35.09	Yes	$48.96	$13.87
482	11-Dec-09	3	11	$35.09	Yes	$48.96	$13.87
483	11-Dec-09	3	12	$34.88	Yes	$48.96	$14.08
484	11-Dec-09	4	1	$36.07	Yes	$48.96	$12.89
485	11-Dec-09	4	2	$36.07	Yes	$48.96	$12.89
486	11-Dec-09	4	3	$35.89	Yes	$48.96	$13.07
487	11-Dec-09	4	4	$36.15	Yes	$48.96	$12.81
488	11-Dec-09	4	5	$36.15	Yes	$48.96	$12.81
489	11-Dec-09	4	6	$36.05	Yes	$48.96	$12.91
490	11-Dec-09	4	7	$36.73	Yes	$48.96	$12.23
491	11-Dec-09	4	8	$38.02	Yes	$48.96	$10.94
492	11-Dec-09	4	9	$37.99	Yes	$48.96	$10.97
493	11-Dec-09	4	10	$38.09	Yes	$48.96	$10.87
494	11-Dec-09	4	11	$38.98	Yes	$48.96	$9.98
495	11-Dec-09	4	12	$38.02	Yes	$48.96	$10.94
496	11-Dec-09	5	1	$36.02	Yes	$48.96	$12.94
497	11-Dec-09	5	2	$36.59	Yes	$48.96	$12.37
498	11-Dec-09	5	3	$37.17	Yes	$48.96	$11.79
499	11-Dec-09	5	4	$37.83	Yes	$48.96	$11.13
500	11-Dec-09	5	5	$38.33	Yes	$48.96	$10.63
501	11-Dec-09	5	6	$38.80	Yes	$48.96	$10.16
502	11-Dec-09	5	7	$39.31	Yes	$48.96	$9.65
503	11-Dec-09	5	8	$40.64	Yes	$48.96	$8.32

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
504	11-Dec-09	5	9	$43.13	Yes	$48.96	$5.83
505	11-Dec-09	5	10	$43.40	Yes	$48.96	$5.56
506	11-Dec-09	5	11	$43.72	Yes	$48.96	$5.24
507	11-Dec-09	5	12	$44.67	Yes	$48.96	$4.29
508	11-Dec-09	6	1	$43.36	Yes	$48.96	$5.60
509	11-Dec-09	6	2	$38.76	Yes	$48.96	$10.20
510	11-Dec-09	6	3	$43.41	Yes	$48.96	$5.55
511	11-Dec-09	6	4	$43.48	Yes	$48.96	$5.48
512	11-Dec-09	6	5	$44.08	Yes	$48.96	$4.88
513	11-Dec-09	6	6	$44.08	Yes	$48.96	$4.88
514	11-Dec-09	6	7	$45.45	Yes	$48.96	$3.51
515	11-Dec-09	6	8	$45.45	Yes	$48.96	$3.51
516	11-Dec-09	6	9	$51.56	Yes	$48.96	-$2.60
517	11-Dec-09	6	10	$56.62	Yes	$48.96	-$7.66
518	11-Dec-09	6	11	$56.98	Yes	$48.96	-$8.02
519	11-Dec-09	6	12	$62.39	Yes	$48.96	-$13.43
520	11-Dec-09	7	1	$29.56	Yes	$48.96	$19.40
521	11-Dec-09	7	2	$34.27	Yes	$48.96	$14.69
522	11-Dec-09	7	3	$34.27	Yes	$48.96	$14.69
523	11-Dec-09	7	4	$38.66	Yes	$48.96	$10.30
524	11-Dec-09	7	5	$42.73	Yes	$48.96	$6.23
525	11-Dec-09	7	6	$44.66	Yes	$48.96	$4.30
526	11-Dec-09	7	7	$45.76	Yes	$48.96	$3.20
527	11-Dec-09	7	8	$45.76	Yes	$48.96	$3.20
528	11-Dec-09	7	9	$45.76	Yes	$48.96	$3.20
529	11-Dec-09	7	10	$50.47	Yes	$48.96	-$1.51
530	11-Dec-09	7	11	$57.01	Yes	$48.96	-$8.05
531	11-Dec-09	7	12	$57.51	Yes	$48.96	-$8.55
532	11-Dec-09	8	1	$53.16	Yes	$48.96	-$4.20
533	11-Dec-09	8	2	$53.16	Yes	$48.96	-$4.20
534	11-Dec-09	8	3	$48.53	Yes	$48.96	$0.43
535	11-Dec-09	8	4	$50.51	Yes	$48.96	-$1.55
536	11-Dec-09	8	5	$50.51	Yes	$48.96	-$1.55
537	11-Dec-09	8	6	$56.96	Yes	$48.96	-$8.00
538	11-Dec-09	8	7	$57.02	Yes	$48.96	-$8.06
539	11-Dec-09	8	8	$57.02	Yes	$48.96	-$8.06
540	11-Dec-09	8	9	$56.75	Yes	$48.96	-$7.79
541	11-Dec-09	8	10	$56.92	Yes	$48.96	-$7.96
542	11-Dec-09	8	11	$56.92	Yes	$48.96	-$7.96
543	11-Dec-09	8	12	$56.92	Yes	$48.96	-$7.96
544	11-Dec-09	9	1	$56.58	Yes	$48.96	-$7.62
545	11-Dec-09	9	2	$54.73	Yes	$48.96	-$5.77
546	11-Dec-09	9	3	$57.62	Yes	$48.96	-$8.66
547	11-Dec-09	9	4	$56.84	Yes	$48.96	-$7.88
548	11-Dec-09	9	5	$56.84	Yes	$48.96	-$7.88

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
549	11-Dec-09	9	6	$56.84	Yes	$48.96	-$7.88
550	11-Dec-09	9	7	$56.74	Yes	$48.96	-$7.78
551	11-Dec-09	9	8	$56.74	Yes	$48.96	-$7.78
552	11-Dec-09	9	9	$57.63	Yes	$48.96	-$8.67
553	11-Dec-09	9	10	$57.71	Yes	$48.96	-$8.75
554	11-Dec-09	9	11	$57.71	Yes	$48.96	-$8.75
555	11-Dec-09	9	12	$58.03	Yes	$48.96	-$9.07
556	11-Dec-09	10	1	$59.27	Yes	$48.96	-$10.31
557	11-Dec-09	10	2	$56.85	Yes	$48.96	-$7.89
558	11-Dec-09	10	3	$56.39	Yes	$48.96	-$7.43
559	11-Dec-09	10	4	$56.46	Yes	$48.96	-$7.50
560	11-Dec-09	10	5	$56.46	Yes	$48.96	-$7.50
561	11-Dec-09	10	6	$56.46	Yes	$48.96	-$7.50
562	11-Dec-09	10	7	$56.41	Yes	$48.96	-$7.45
563	11-Dec-09	10	8	$56.41	Yes	$48.96	-$7.45
564	11-Dec-09	10	9	$56.58	Yes	$48.96	-$7.62
565	11-Dec-09	10	10	$56.52	Yes	$48.96	-$7.56
566	11-Dec-09	10	11	$56.52	Yes	$48.96	-$7.56
567	11-Dec-09	10	12	$56.61	Yes	$48.96	-$7.65
568	11-Dec-09	11	1	$57.58	Yes	$48.96	-$8.62
569	11-Dec-09	11	2	$56.84	Yes	$48.96	-$7.88
570	11-Dec-09	11	3	$56.84	Yes	$48.96	-$7.88
571	11-Dec-09	11	4	$56.87	Yes	$48.96	-$7.91
572	11-Dec-09	11	5	$56.87	Yes	$48.96	-$7.91
573	11-Dec-09	11	6	$57.56	Yes	$48.96	-$8.60
574	11-Dec-09	11	7	$57.59	Yes	$48.96	-$8.63
575	11-Dec-09	11	8	$57.59	Yes	$48.96	-$8.63
576	11-Dec-09	11	9	$57.59	Yes	$48.96	-$8.63
577	11-Dec-09	11	10	$57.19	Yes	$48.96	-$8.23
578	11-Dec-09	11	11	$56.90	Yes	$48.96	-$7.94
579	11-Dec-09	11	12	$57.74	Yes	$48.96	-$8.78
580	11-Dec-09	12	1	$58.23	Yes	$48.96	-$9.27
581	11-Dec-09	12	2	$57.65	Yes	$48.96	-$8.69
582	11-Dec-09	12	3	$57.58	Yes	$48.96	-$8.62
583	11-Dec-09	12	4	$55.40	Yes	$48.96	-$6.44
584	11-Dec-09	12	5	$55.80	Yes	$48.96	-$6.84
585	11-Dec-09	12	6	$55.40	Yes	$48.96	-$6.44
586	11-Dec-09	12	7	$55.36	Yes	$48.96	-$6.40
587	11-Dec-09	12	8	$57.49	Yes	$48.96	-$8.53
588	11-Dec-09	12	9	$55.60	Yes	$48.96	-$6.64
589	11-Dec-09	12	10	$55.77	Yes	$48.96	-$6.81
590	11-Dec-09	12	11	$55.27	Yes	$48.96	-$6.31
591	11-Dec-09	12	12	$52.95	Yes	$48.96	-$3.99
592	11-Dec-09	13	1	$57.62	Yes	$48.96	-$8.66
593	11-Dec-09	13	2	$56.59	Yes	$48.96	-$7.63

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
594	11-Dec-09	13	3	$55.67	Yes	$48.96	-$6.71
595	11-Dec-09	13	4	$55.71	Yes	$48.96	-$6.75
596	11-Dec-09	13	5	$55.71	Yes	$48.96	-$6.75
597	11-Dec-09	13	6	$55.32	Yes	$48.96	-$6.36
598	11-Dec-09	13	7	$55.37	Yes	$48.96	-$6.41
599	11-Dec-09	13	8	$55.70	Yes	$48.96	-$6.74
600	11-Dec-09	13	9	$55.70	Yes	$48.96	-$6.74
601	11-Dec-09	13	10	$55.79	Yes	$48.96	-$6.83
602	11-Dec-09	13	11	$54.31	Yes	$48.96	-$5.35
603	11-Dec-09	13	12	$54.05	Yes	$48.96	-$5.09
604	11-Dec-09	14	1	$53.67	Yes	$48.96	-$4.71
605	11-Dec-09	14	2	$51.17	Yes	$48.96	-$2.21
606	11-Dec-09	14	3	$51.17	Yes	$48.96	-$2.21
607	11-Dec-09	14	4	$51.95	Yes	$48.96	-$2.99
608	11-Dec-09	14	5	$51.95	Yes	$48.96	-$2.99
609	11-Dec-09	14	6	$51.95	Yes	$48.96	-$2.99
610	11-Dec-09	14	7	$51.55	Yes	$48.96	-$2.59
611	11-Dec-09	14	8	$51.07	Yes	$48.96	-$2.11
612	11-Dec-09	14	9	$51.07	Yes	$48.96	-$2.11
613	11-Dec-09	14	10	$51.01	Yes	$48.96	-$2.05
614	11-Dec-09	14	11	$51.01	Yes	$48.96	-$2.05
615	11-Dec-09	14	12	$51.01	Yes	$48.96	-$2.05
616	11-Dec-09	15	1	$51.99	Yes	$48.96	-$3.03
617	11-Dec-09	15	2	$51.99	Yes	$48.96	-$3.03
618	11-Dec-09	15	3	$51.99	Yes	$48.96	-$3.03
619	11-Dec-09	15	4	$52.18	Yes	$48.96	-$3.22
620	11-Dec-09	15	5	$53.78	Yes	$48.96	-$4.82
621	11-Dec-09	15	6	$53.78	Yes	$48.96	-$4.82
622	11-Dec-09	15	7	$53.82	Yes	$48.96	-$4.86
623	11-Dec-09	15	8	$53.82	Yes	$48.96	-$4.86
624	11-Dec-09	15	9	$53.82	Yes	$48.96	-$4.86
625	11-Dec-09	15	10	$53.68	Yes	$48.96	-$4.72
626	11-Dec-09	15	11	$53.68	Yes	$48.96	-$4.72
627	11-Dec-09	15	12	$53.68	Yes	$48.96	-$4.72
628	11-Dec-09	16	1	$53.61	Yes	$48.96	-$4.65
629	11-Dec-09	16	2	$53.61	Yes	$48.96	-$4.65
630	11-Dec-09	16	3	$53.61	Yes	$48.96	-$4.65
631	11-Dec-09	16	4	$53.72	Yes	$48.96	-$4.76
632	11-Dec-09	16	5	$53.72	Yes	$48.96	-$4.76
633	11-Dec-09	16	6	$54.80	Yes	$48.96	-$5.84
634	11-Dec-09	16	7	$53.71	Yes	$48.96	-$4.75
635	11-Dec-09	16	8	$57.30	Yes	$48.96	-$8.34
636	11-Dec-09	16	9	$57.30	Yes	$48.96	-$8.34
637	11-Dec-09	16	10	$57.37	Yes	$48.96	-$8.41
638	11-Dec-09	16	11	$57.37	Yes	$48.96	-$8.41

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
639	11-Dec-09	16	12	$57.37	Yes	$48.96	-$8.41
640	11-Dec-09	17	1	$54.10	Yes	$48.96	-$5.14
641	11-Dec-09	17	2	$52.49	Yes	$48.96	-$3.53
642	11-Dec-09	17	3	$54.10	Yes	$48.96	-$5.14
643	11-Dec-09	17	4	$54.36	Yes	$48.96	-$5.40
644	11-Dec-09	17	5	$57.29	Yes	$48.96	-$8.33
645	11-Dec-09	17	6	$57.29	Yes	$48.96	-$8.33
646	11-Dec-09	17	7	$57.45	Yes	$48.96	-$8.49
647	11-Dec-09	17	8	$57.45	Yes	$48.96	-$8.49
648	11-Dec-09	17	9	$85.85	Yes	$48.96	-$36.89
649	11-Dec-09	17	10	$62.51	Yes	$48.96	-$13.55
650	11-Dec-09	17	11	$64.87	Yes	$48.96	-$15.91
651	11-Dec-09	17	12	$84.27	Yes	$48.96	-$35.31
652	11-Dec-09	18	1	$57.38	Yes	$48.96	-$8.42
653	11-Dec-09	18	2	$58.21	Yes	$48.96	-$9.25
654	11-Dec-09	18	3	$59.95	Yes	$48.96	-$10.99
655	11-Dec-09	18	4	$60.13	Yes	$48.96	-$11.17
656	11-Dec-09	18	5	$65.94	Yes	$48.96	-$16.98
657	11-Dec-09	18	6	$58.58	Yes	$48.96	-$9.62
658	11-Dec-09	18	7	$57.59	Yes	$48.96	-$8.63
659	11-Dec-09	18	8	$58.08	Yes	$48.96	-$9.12
660	11-Dec-09	18	9	$58.15	Yes	$48.96	-$9.19
661	11-Dec-09	18	10	$60.50	Yes	$48.96	-$11.54
662	11-Dec-09	18	11	$59.90	Yes	$48.96	-$10.94
663	11-Dec-09	18	12	$58.13	Yes	$48.96	-$9.17
664	11-Dec-09	19	1	$59.27	Yes	$48.96	-$10.31
665	11-Dec-09	19	2	$59.27	Yes	$48.96	-$10.31
666	11-Dec-09	19	3	$57.99	Yes	$48.96	-$9.03
667	11-Dec-09	19	4	$68.51	Yes	$48.96	-$19.55
668	11-Dec-09	19	5	$60.42	Yes	$48.96	-$11.46
669	11-Dec-09	19	6	$61.77	Yes	$48.96	-$12.81
670	11-Dec-09	19	7	$60.48	Yes	$48.96	-$11.52
671	11-Dec-09	19	8	$60.48	Yes	$48.96	-$11.52
672	11-Dec-09	19	9	$60.40	Yes	$48.96	-$11.44
673	11-Dec-09	19	10	$64.64	Yes	$48.96	-$15.68
674	11-Dec-09	19	11	$58.14	Yes	$48.96	-$9.18
675	11-Dec-09	19	12	$57.83	Yes	$48.96	-$8.87
676	11-Dec-09	20	1	$64.31	Yes	$48.96	-$15.35
677	11-Dec-09	20	2	$64.31	Yes	$48.96	-$15.35
678	11-Dec-09	20	3	$63.03	Yes	$48.96	-$14.07
679	11-Dec-09	20	4	$57.37	Yes	$48.96	-$8.41
680	11-Dec-09	20	5	$58.13	Yes	$48.96	-$9.17
681	11-Dec-09	20	6	$57.37	Yes	$48.96	-$8.41
682	11-Dec-09	20	7	$57.39	Yes	$48.96	-$8.43
683	11-Dec-09	20	8	$57.87	Yes	$48.96	-$8.91

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
684	11-Dec-09	20	9	$57.61	Yes	$48.96	-$8.65
685	11-Dec-09	20	10	$57.78	Yes	$48.96	-$8.82
686	11-Dec-09	20	11	$57.78	Yes	$48.96	-$8.82
687	11-Dec-09	20	12	$57.41	Yes	$48.96	-$8.45
688	11-Dec-09	21	1	$57.71	Yes	$48.96	-$8.75
689	11-Dec-09	21	2	$57.71	Yes	$48.96	-$8.75
690	11-Dec-09	21	3	$57.64	Yes	$48.96	-$8.68
691	11-Dec-09	21	4	$57.62	Yes	$48.96	-$8.66
692	11-Dec-09	21	5	$57.44	Yes	$48.96	-$8.48
693	11-Dec-09	21	6	$57.44	Yes	$48.96	-$8.48
694	11-Dec-09	21	7	$57.41	Yes	$48.96	-$8.45
695	11-Dec-09	21	8	$57.43	Yes	$48.96	-$8.47
696	11-Dec-09	21	9	$57.43	Yes	$48.96	-$8.47
697	11-Dec-09	21	10	$55.05	Yes	$48.96	-$6.09
698	11-Dec-09	21	11	$55.79	Yes	$48.96	-$6.83
699	11-Dec-09	21	12	$50.30	Yes	$48.96	-$1.34
700	11-Dec-09	22	1	$62.27	Yes	$48.96	-$13.31
701	11-Dec-09	22	2	$57.62	Yes	$48.96	-$8.66
702	11-Dec-09	22	3	$57.48	Yes	$48.96	-$8.52
703	11-Dec-09	22	4	$56.11	Yes	$48.96	-$7.15
704	11-Dec-09	22	5	$56.11	Yes	$48.96	-$7.15
705	11-Dec-09	22	6	$55.29	Yes	$48.96	-$6.33
706	11-Dec-09	22	7	$56.63	Yes	$48.96	-$7.67
707	11-Dec-09	22	8	$55.81	Yes	$48.96	-$6.85
708	11-Dec-09	22	9	$54.84	Yes	$48.96	-$5.88
709	11-Dec-09	22	10	$47.19	Yes	$48.96	$1.77
710	11-Dec-09	22	11	$45.46	Yes	$48.96	$3.50
711	11-Dec-09	22	12	$45.22	Yes	$48.96	$3.74
712	11-Dec-09	23	1	$56.91	Yes	$48.96	-$7.95
713	11-Dec-09	23	2	$56.91	Yes	$48.96	-$7.95
714	11-Dec-09	23	3	$56.50	Yes	$48.96	-$7.54
715	11-Dec-09	23	4	$55.80	Yes	$48.96	-$6.84
716	11-Dec-09	23	5	$55.64	Yes	$48.96	-$6.68
717	11-Dec-09	23	6	$56.93	Yes	$48.96	-$7.97
718	11-Dec-09	23	7	$56.95	Yes	$48.96	-$7.99
719	11-Dec-09	23	8	$56.82	Yes	$48.96	-$7.86
720	11-Dec-09	23	9	$54.73	Yes	$48.96	-$5.77
721	11-Dec-09	23	10	$46.42	Yes	$48.96	$2.54
722	11-Dec-09	23	11	$50.87	Yes	$48.96	-$1.91
723	11-Dec-09	23	12	$45.19	Yes	$48.96	$3.77
724	11-Dec-09	24	1	$56.60	Yes	$48.96	-$7.64
725	11-Dec-09	24	2	$56.00	Yes	$48.96	-$7.04
726	11-Dec-09	24	3	$54.77	Yes	$48.96	-$5.81
727	11-Dec-09	24	4	$54.77	Yes	$48.96	-$5.81
728	11-Dec-09	24	5	$54.85	Yes	$48.96	-$5.89

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
729	11-Dec-09	24	6	$54.77	Yes	$48.96	-$5.81
730	11-Dec-09	24	7	$52.47	Yes	$48.96	-$3.51
731	11-Dec-09	24	8	$48.62	Yes	$48.96	$0.34
732	11-Dec-09	24	9	$49.95	Yes	$48.96	-$0.99
733	11-Dec-09	24	10	$44.63	Yes	$48.96	$4.33
734	11-Dec-09	24	11	$44.09	Yes	$48.96	$4.87
735	11-Dec-09	24	12	$43.59	Yes	$48.96	$5.37
736	12-Dec-09	1	1	$50.77	Yes	$50.97	$0.20
737	12-Dec-09	1	2	$48.58	Yes	$50.97	$2.39
738	12-Dec-09	1	3	$44.69	Yes	$50.97	$6.28
739	12-Dec-09	1	4	$43.49	Yes	$50.97	$7.48
740	12-Dec-09	1	5	$49.32	Yes	$50.97	$1.65
741	12-Dec-09	1	6	$49.88	Yes	$50.97	$1.09
742	12-Dec-09	1	7	$48.35	Yes	$50.97	$2.62
743	12-Dec-09	1	8	$55.62	Yes	$50.97	-$4.65
744	12-Dec-09	1	9	$55.62	Yes	$50.97	-$4.65
745	12-Dec-09	1	10	$51.73	Yes	$50.97	-$0.76
746	12-Dec-09	1	11	$48.17	Yes	$50.97	$2.80
747	12-Dec-09	1	12	$48.17	Yes	$50.97	$2.80
748	12-Dec-09	2	1	$55.58	Yes	$50.97	-$4.61
749	12-Dec-09	2	2	$55.58	Yes	$50.97	-$4.61
750	12-Dec-09	2	3	$55.58	Yes	$50.97	-$4.61
751	12-Dec-09	2	4	$55.49	Yes	$50.97	-$4.52
752	12-Dec-09	2	5	$55.49	Yes	$50.97	-$4.52
753	12-Dec-09	2	6	$55.49	Yes	$50.97	-$4.52
754	12-Dec-09	2	7	$51.91	Yes	$50.97	-$0.94
755	12-Dec-09	2	8	$50.58	Yes	$50.97	$0.39
756	12-Dec-09	2	9	$50.58	Yes	$50.97	$0.39
757	12-Dec-09	2	10	$51.27	Yes	$50.97	-$0.30
758	12-Dec-09	2	11	$49.42	Yes	$50.97	$1.55
759	12-Dec-09	2	12	$46.72	Yes	$50.97	$4.25
760	12-Dec-09	3	1	$48.44	Yes	$50.97	$2.53
761	12-Dec-09	3	2	$48.44	Yes	$50.97	$2.53
762	12-Dec-09	3	3	$48.44	Yes	$50.97	$2.53
763	12-Dec-09	3	4	$48.64	Yes	$50.97	$2.33
764	12-Dec-09	3	5	$48.80	Yes	$50.97	$2.17
765	12-Dec-09	3	6	$52.23	Yes	$50.97	-$1.26
766	12-Dec-09	3	7	$49.54	Yes	$50.97	$1.43
767	12-Dec-09	3	8	$48.76	Yes	$50.97	$2.21
768	12-Dec-09	3	9	$49.54	Yes	$50.97	$1.43
769	12-Dec-09	3	10	$46.59	Yes	$50.97	$4.38
770	12-Dec-09	3	11	$48.71	Yes	$50.97	$2.26
771	12-Dec-09	3	12	$46.27	Yes	$50.97	$4.70
772	12-Dec-09	4	1	$46.29	Yes	$50.97	$4.68
773	12-Dec-09	4	2	$46.29	Yes	$50.97	$4.68

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
774	12-Dec-09	4	3	$46.29	Yes	$50.97	$4.68
775	12-Dec-09	4	4	$46.26	Yes	$50.97	$4.71
776	12-Dec-09	4	5	$46.26	Yes	$50.97	$4.71
777	12-Dec-09	4	6	$46.04	Yes	$50.97	$4.93
778	12-Dec-09	4	7	$46.03	Yes	$50.97	$4.94
779	12-Dec-09	4	8	$46.03	Yes	$50.97	$4.94
780	12-Dec-09	4	9	$45.49	Yes	$50.97	$5.48
781	12-Dec-09	4	10	$46.24	Yes	$50.97	$4.73
782	12-Dec-09	4	11	$46.50	Yes	$50.97	$4.47
783	12-Dec-09	4	12	$49.26	Yes	$50.97	$1.71
784	12-Dec-09	5	1	$46.68	Yes	$50.97	$4.29
785	12-Dec-09	5	2	$46.68	Yes	$50.97	$4.29
786	12-Dec-09	5	3	$46.45	Yes	$50.97	$4.52
787	12-Dec-09	5	4	$46.52	Yes	$50.97	$4.45
788	12-Dec-09	5	5	$46.46	Yes	$50.97	$4.51
789	12-Dec-09	5	6	$45.21	Yes	$50.97	$5.76
790	12-Dec-09	5	7	$46.34	Yes	$50.97	$4.63
791	12-Dec-09	5	8	$46.40	Yes	$50.97	$4.57
792	12-Dec-09	5	9	$46.39	Yes	$50.97	$4.58
793	12-Dec-09	5	10	$46.54	Yes	$50.97	$4.43
794	12-Dec-09	5	11	$46.54	Yes	$50.97	$4.43
795	12-Dec-09	5	12	$46.54	Yes	$50.97	$4.43
796	12-Dec-09	6	1	$44.21	Yes	$50.97	$6.76
797	12-Dec-09	6	2	$45.30	Yes	$50.97	$5.67
798	12-Dec-09	6	3	$47.26	Yes	$50.97	$3.71
799	12-Dec-09	6	4	$43.72	Yes	$50.97	$7.25
800	12-Dec-09	6	4	$43.72	Yes	$56.49	$12.77
801	12-Dec-09	6	5	$43.75	Yes	$50.97	$7.22
802	12-Dec-09	6	5	$43.75	Yes	$56.49	$12.74
803	12-Dec-09	6	6	$46.18	Yes	$56.49	$10.31
804	12-Dec-09	6	6	$46.18	Yes	$50.97	$4.79
805	12-Dec-09	6	7	$46.17	Yes	$50.97	$4.80
806	12-Dec-09	6	7	$46.17	Yes	$56.49	$10.32
807	12-Dec-09	6	8	$49.33	Yes	$56.49	$7.16
808	12-Dec-09	6	8	$49.33	Yes	$50.97	$1.64
809	12-Dec-09	6	9	$49.33	Yes	$50.97	$1.64
810	12-Dec-09	6	9	$49.33	Yes	$56.49	$7.16
811	12-Dec-09	6	10	$49.66	Yes	$50.97	$1.31
812	12-Dec-09	6	10	$49.66	Yes	$56.49	$6.83
813	12-Dec-09	6	11	$48.88	Yes	$50.97	$2.09
814	12-Dec-09	6	11	$48.88	Yes	$56.49	$7.61
815	12-Dec-09	6	12	$52.06	Yes	$56.49	$4.43
816	12-Dec-09	6	12	$52.06	Yes	$50.97	-$1.09
817	12-Dec-09	7	1	$41.87	Yes	$50.97	$9.10
818	12-Dec-09	7	1	$41.87	Yes	$56.49	$14.62

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
819	12-Dec-09	7	2	$24.46	Yes	$50.97	$26.51
820	12-Dec-09	7	2	$24.46	Yes	$56.49	$32.03
821	12-Dec-09	7	3	$29.30	Yes	$56.49	$27.19
822	12-Dec-09	7	3	$29.30	Yes	$50.97	$21.67
823	12-Dec-09	7	4	$35.10	Yes	$56.49	$21.39
824	12-Dec-09	7	4	$35.10	Yes	$50.97	$15.87
825	12-Dec-09	7	5	$41.62	Yes	$56.49	$14.87
826	12-Dec-09	7	5	$41.62	Yes	$50.97	$9.35
827	12-Dec-09	7	6	$42.93	Yes	$50.97	$8.04
828	12-Dec-09	7	6	$42.93	Yes	$56.49	$13.56
829	12-Dec-09	7	7	$42.79	Yes	$56.49	$13.70
830	12-Dec-09	7	7	$42.79	Yes	$50.97	$8.18
831	12-Dec-09	7	8	$40.68	Yes	$50.97	$10.29
832	12-Dec-09	7	8	$40.68	Yes	$56.49	$15.81
833	12-Dec-09	7	9	$41.44	Yes	$50.97	$9.53
834	12-Dec-09	7	9	$41.44	Yes	$56.49	$15.05
835	12-Dec-09	7	10	$41.40	Yes	$56.49	$15.09
836	12-Dec-09	7	10	$41.40	Yes	$50.97	$9.57
837	12-Dec-09	7	11	$41.54	Yes	$56.49	$14.95
838	12-Dec-09	7	11	$41.54	Yes	$50.97	$9.43
839	12-Dec-09	7	12	$39.02	Yes	$50.97	$11.95
840	12-Dec-09	7	12	$39.02	Yes	$56.49	$17.47
841	12-Dec-09	8	1	$38.52	Yes	$56.49	$17.97
842	12-Dec-09	8	1	$38.52	Yes	$50.97	$12.45
843	12-Dec-09	8	2	$38.52	Yes	$56.49	$17.97
844	12-Dec-09	8	2	$38.52	Yes	$50.97	$12.45
845	12-Dec-09	8	3	$38.34	Yes	$50.97	$12.63
846	12-Dec-09	8	3	$38.34	Yes	$56.49	$18.15
847	12-Dec-09	8	4	$38.58	Yes	$50.97	$12.39
848	12-Dec-09	8	4	$38.58	Yes	$56.49	$17.91
849	12-Dec-09	8	5	$38.58	Yes	$56.49	$17.91
850	12-Dec-09	8	5	$38.58	Yes	$50.97	$12.39
851	12-Dec-09	8	6	$38.58	Yes	$56.49	$17.91
852	12-Dec-09	8	6	$38.58	Yes	$50.97	$12.39
853	12-Dec-09	8	7	$40.53	Yes	$56.49	$15.96
854	12-Dec-09	8	7	$40.53	Yes	$50.97	$10.44
855	12-Dec-09	8	8	$40.53	Yes	$56.49	$15.96
856	12-Dec-09	8	8	$40.53	Yes	$50.97	$10.44
857	12-Dec-09	8	9	$41.21	Yes	$50.97	$9.76
858	12-Dec-09	8	9	$41.21	Yes	$56.49	$15.28
859	12-Dec-09	8	10	$41.83	Yes	$50.97	$9.14
860	12-Dec-09	8	10	$41.83	Yes	$56.49	$14.66
861	12-Dec-09	8	11	$42.02	Yes	$50.97	$8.95
862	12-Dec-09	8	11	$42.02	Yes	$56.49	$14.47
863	12-Dec-09	8	12	$42.79	Yes	$56.49	$13.70

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
864	12-Dec-09	8	12	$42.79	Yes	$50.97	$8.18
865	12-Dec-09	9	1	$42.28	Yes	$56.49	$14.21
866	12-Dec-09	9	1	$42.28	Yes	$50.97	$8.69
867	12-Dec-09	9	2	$42.28	Yes	$56.49	$14.21
868	12-Dec-09	9	2	$42.28	Yes	$50.97	$8.69
869	12-Dec-09	9	3	$46.18	Yes	$50.97	$4.79
870	12-Dec-09	9	3	$46.18	Yes	$56.49	$10.31
871	12-Dec-09	9	4	$43.45	Yes	$50.97	$7.52
872	12-Dec-09	9	4	$43.45	Yes	$56.49	$13.04
873	12-Dec-09	9	5	$45.40	Yes	$50.97	$5.57
874	12-Dec-09	9	5	$45.40	Yes	$56.49	$11.09
875	12-Dec-09	9	6	$45.40	Yes	$50.97	$5.57
876	12-Dec-09	9	6	$45.40	Yes	$56.49	$11.09
877	12-Dec-09	9	7	$48.28	Yes	$50.97	$2.69
878	12-Dec-09	9	7	$48.28	Yes	$56.49	$8.21
879	12-Dec-09	9	8	$49.80	Yes	$56.49	$6.69
880	12-Dec-09	9	8	$49.80	Yes	$50.97	$1.17
881	12-Dec-09	9	9	$54.82	Yes	$50.97	-$3.85
882	12-Dec-09	9	9	$54.82	Yes	$56.49	$1.67
883	12-Dec-09	9	10	$56.01	Yes	$50.97	-$5.04
884	12-Dec-09	9	10	$56.01	Yes	$56.49	$0.48
885	12-Dec-09	9	11	$56.01	Yes	$56.49	$0.48
886	12-Dec-09	9	11	$56.01	Yes	$50.97	-$5.04
887	12-Dec-09	9	12	$56.01	Yes	$56.49	$0.48
888	12-Dec-09	9	12	$56.01	Yes	$50.97	-$5.04
889	12-Dec-09	10	1	$49.33	Yes	$56.49	$7.16
890	12-Dec-09	10	1	$49.33	Yes	$50.97	$1.64
891	12-Dec-09	10	2	$46.22	Yes	$56.49	$10.27
892	12-Dec-09	10	2	$46.22	Yes	$50.97	$4.75
893	12-Dec-09	10	3	$44.54	Yes	$50.97	$6.43
894	12-Dec-09	10	3	$44.54	Yes	$56.49	$11.95
895	12-Dec-09	10	4	$56.10	Yes	$50.97	-$5.13
896	12-Dec-09	10	4	$56.10	Yes	$56.49	$0.39
897	12-Dec-09	10	5	$56.10	Yes	$50.97	-$5.13
898	12-Dec-09	10	5	$56.10	Yes	$56.49	$0.39
899	12-Dec-09	10	6	$56.10	Yes	$56.49	$0.39
900	12-Dec-09	10	6	$56.10	Yes	$50.97	-$5.13
901	12-Dec-09	10	7	$56.15	Yes	$56.49	$0.34
902	12-Dec-09	10	7	$56.15	Yes	$50.97	-$5.18
903	12-Dec-09	10	8	$56.15	Yes	$56.49	$0.34
904	12-Dec-09	10	8	$56.15	Yes	$50.97	-$5.18
905	12-Dec-09	10	9	$65.73	Yes	$56.49	-$9.24
906	12-Dec-09	10	9	$65.73	Yes	$50.97	-$14.76
907	12-Dec-09	10	10	$59.75	Yes	$50.97	-$8.78
908	12-Dec-09	10	10	$59.75	Yes	$56.49	-$3.26

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
909	12-Dec-09	10	11	$59.92	Yes	$50.97	-$8.95
910	12-Dec-09	10	11	$59.92	Yes	$56.49	-$3.43
911	12-Dec-09	10	12	$122.85	Yes	$50.97	-$71.88
912	12-Dec-09	10	12	$122.85	Yes	$56.49	-$66.36
913	12-Dec-09	11	1	$78.35	Yes	$50.97	-$27.38
914	12-Dec-09	11	1	$78.35	Yes	$56.49	-$21.86
915	12-Dec-09	11	2	$75.40	Yes	$50.97	-$24.43
916	12-Dec-09	11	2	$75.40	Yes	$56.49	-$18.91
917	12-Dec-09	11	3	$73.58	Yes	$56.49	-$17.09
918	12-Dec-09	11	3	$73.58	Yes	$50.97	-$22.61
919	12-Dec-09	11	4	$57.26	Yes	$56.49	-$0.77
920	12-Dec-09	11	4	$57.26	Yes	$50.97	-$6.29
921	12-Dec-09	11	5	$62.12	Yes	$56.49	-$5.63
922	12-Dec-09	11	5	$62.12	Yes	$50.97	-$11.15
923	12-Dec-09	11	6	$63.64	Yes	$50.97	-$12.67
924	12-Dec-09	11	6	$63.64	Yes	$56.49	-$7.15
925	12-Dec-09	11	7	$63.23	Yes	$56.49	-$6.74
926	12-Dec-09	11	7	$63.23	Yes	$50.97	-$12.26
927	12-Dec-09	11	8	$62.26	Yes	$50.97	-$11.29
928	12-Dec-09	11	8	$62.26	Yes	$56.49	-$5.77
929	12-Dec-09	11	9	$62.20	Yes	$50.97	-$11.23
930	12-Dec-09	11	9	$62.20	Yes	$56.49	-$5.71
931	12-Dec-09	11	10	$67.10	Yes	$50.97	-$16.13
932	12-Dec-09	11	10	$67.10	Yes	$56.49	-$10.61
933	12-Dec-09	11	11	$59.78	Yes	$50.97	-$8.81
934	12-Dec-09	11	11	$59.78	Yes	$56.49	-$3.29
935	12-Dec-09	11	12	$56.34	Yes	$50.97	-$5.37
936	12-Dec-09	11	12	$56.34	Yes	$56.49	$0.15
937	12-Dec-09	12	1	$56.49	Yes	$56.49	$0.00
938	12-Dec-09	12	1	$56.49	Yes	$50.97	-$5.52
939	12-Dec-09	12	2	$54.69	Yes	$50.97	-$3.72
940	12-Dec-09	12	2	$54.69	Yes	$56.49	$1.80
941	12-Dec-09	12	3	$53.85	Yes	$56.49	$2.64
942	12-Dec-09	12	3	$53.85	Yes	$50.97	-$2.88
943	12-Dec-09	12	4	$54.06	Yes	$56.49	$2.43
944	12-Dec-09	12	4	$54.06	Yes	$50.97	-$3.09
945	12-Dec-09	12	5	$54.06	Yes	$56.49	$2.43
946	12-Dec-09	12	5	$54.06	Yes	$50.97	-$3.09
947	12-Dec-09	12	6	$50.96	Yes	$50.97	$0.01
948	12-Dec-09	12	6	$50.96	Yes	$56.49	$5.53
949	12-Dec-09	12	7	$50.95	Yes	$50.97	$0.02
950	12-Dec-09	12	7	$50.95	Yes	$56.49	$5.54
951	12-Dec-09	12	8	$54.04	Yes	$50.97	-$3.07
952	12-Dec-09	12	8	$54.04	Yes	$56.49	$2.45
953	12-Dec-09	12	9	$56.32	Yes	$56.49	$0.17

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
954	12-Dec-09	12	9	$56.32	Yes	$50.97	-$5.35
955	12-Dec-09	12	10	$56.41	Yes	$56.49	$0.08
956	12-Dec-09	12	10	$56.41	Yes	$50.97	-$5.44
957	12-Dec-09	12	11	$54.83	Yes	$50.97	-$3.86
958	12-Dec-09	12	11	$54.83	Yes	$56.49	$1.66
959	12-Dec-09	12	12	$55.20	Yes	$50.97	-$4.23
960	12-Dec-09	12	12	$55.20	Yes	$56.49	$1.29
961	12-Dec-09	13	1	$56.42	Yes	$56.49	$0.07
962	12-Dec-09	13	1	$56.42	Yes	$50.97	-$5.45
963	12-Dec-09	13	2	$56.42	Yes	$56.49	$0.07
964	12-Dec-09	13	2	$56.42	Yes	$50.97	-$5.45
965	12-Dec-09	13	3	$56.02	Yes	$56.49	$0.47
966	12-Dec-09	13	3	$56.02	Yes	$50.97	-$5.05
967	12-Dec-09	13	4	$55.63	Yes	$50.97	-$4.66
968	12-Dec-09	13	4	$55.63	Yes	$56.49	$0.86
969	12-Dec-09	13	5	$56.21	Yes	$50.97	-$5.24
970	12-Dec-09	13	5	$56.21	Yes	$56.49	$0.28
971	12-Dec-09	13	6	$55.88	Yes	$50.97	-$4.91
972	12-Dec-09	13	6	$55.88	Yes	$56.49	$0.61
973	12-Dec-09	13	7	$55.01	Yes	$56.49	$1.48
974	12-Dec-09	13	7	$55.01	Yes	$50.97	-$4.04
975	12-Dec-09	13	8	$50.84	Yes	$50.97	$0.13
976	12-Dec-09	13	8	$50.84	Yes	$56.49	$5.65
977	12-Dec-09	13	9	$50.84	Yes	$50.97	$0.13
978	12-Dec-09	13	9	$50.84	Yes	$56.49	$5.65
979	12-Dec-09	13	10	$50.94	Yes	$50.97	$0.03
980	12-Dec-09	13	10	$50.94	Yes	$56.49	$5.55
981	12-Dec-09	13	11	$54.98	Yes	$50.97	-$4.01
982	12-Dec-09	13	11	$54.98	Yes	$56.49	$1.51
983	12-Dec-09	13	12	$54.98	Yes	$56.49	$1.51
984	12-Dec-09	13	12	$54.98	Yes	$50.97	-$4.01
985	12-Dec-09	14	1	$53.63	Yes	$56.49	$2.86
986	12-Dec-09	14	1	$53.63	Yes	$50.97	-$2.66
987	12-Dec-09	14	2	$50.94	Yes	$50.97	$0.03
988	12-Dec-09	14	2	$50.94	Yes	$56.49	$5.55
989	12-Dec-09	14	3	$50.94	Yes	$56.49	$5.55
990	12-Dec-09	14	3	$50.94	Yes	$50.97	$0.03
991	12-Dec-09	14	4	$50.83	Yes	$56.49	$5.66
992	12-Dec-09	14	4	$50.83	Yes	$50.97	$0.14
993	12-Dec-09	14	5	$50.83	Yes	$50.97	$0.14
994	12-Dec-09	14	5	$50.83	Yes	$56.49	$5.66
995	12-Dec-09	14	6	$50.83	Yes	$50.97	$0.14
996	12-Dec-09	14	6	$50.83	Yes	$56.49	$5.66
997	12-Dec-09	14	7	$50.79	Yes	$56.49	$5.70
998	12-Dec-09	14	7	$50.79	Yes	$50.97	$0.18

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
999	12-Dec-09	14	8	$50.79	Yes	$56.49	$5.70
1000	12-Dec-09	14	8	$50.79	Yes	$50.97	$0.18
1001	12-Dec-09	14	9	$50.79	Yes	$56.49	$5.70
1002	12-Dec-09	14	9	$50.79	Yes	$50.97	$0.18
1003	12-Dec-09	14	10	$50.86	Yes	$56.49	$5.63
1004	12-Dec-09	14	10	$50.86	Yes	$50.97	$0.11
1005	12-Dec-09	14	11	$49.94	Yes	$56.49	$6.55
1006	12-Dec-09	14	11	$49.94	Yes	$50.97	$1.03
1007	12-Dec-09	14	12	$49.94	Yes	$50.97	$1.03
1008	12-Dec-09	14	12	$49.94	Yes	$56.49	$6.55
1009	12-Dec-09	15	1	$49.89	Yes	$50.97	$1.08
1010	12-Dec-09	15	1	$49.89	Yes	$56.49	$6.60
1011	12-Dec-09	15	2	$49.89	Yes	$56.49	$6.60
1012	12-Dec-09	15	2	$49.89	Yes	$50.97	$1.08
1013	12-Dec-09	15	3	$49.89	Yes	$56.49	$6.60
1014	12-Dec-09	15	3	$49.89	Yes	$50.97	$1.08
1015	12-Dec-09	15	4	$46.16	Yes	$50.97	$4.81
1016	12-Dec-09	15	4	$46.16	Yes	$56.49	$10.33
1017	12-Dec-09	15	5	$46.16	Yes	$50.97	$4.81
1018	12-Dec-09	15	5	$46.16	Yes	$56.49	$10.33
1019	12-Dec-09	15	6	$46.16	Yes	$50.97	$4.81
1020	12-Dec-09	15	6	$46.16	Yes	$56.49	$10.33
1021	12-Dec-09	15	7	$46.15	Yes	$56.49	$10.34
1022	12-Dec-09	15	7	$46.15	Yes	$50.97	$4.82
1023	12-Dec-09	15	8	$48.92	Yes	$50.97	$2.05
1024	12-Dec-09	15	8	$48.92	Yes	$56.49	$7.57
1025	12-Dec-09	15	9	$50.76	Yes	$56.49	$5.73
1026	12-Dec-09	15	9	$50.76	Yes	$50.97	$0.21
1027	12-Dec-09	15	10	$56.14	Yes	$50.97	-$5.17
1028	12-Dec-09	15	10	$56.14	Yes	$56.49	$0.35
1029	12-Dec-09	15	11	$55.63	Yes	$50.97	-$4.66
1030	12-Dec-09	15	11	$55.63	Yes	$56.49	$0.86
1031	12-Dec-09	15	12	$55.02	Yes	$56.49	$1.47
1032	12-Dec-09	15	12	$55.02	Yes	$50.97	-$4.05
1033	12-Dec-09	16	1	$44.51	Yes	$56.49	$11.98
1034	12-Dec-09	16	1	$44.51	Yes	$50.97	$6.46
1035	12-Dec-09	16	2	$44.51	Yes	$50.97	$6.46
1036	12-Dec-09	16	2	$44.51	Yes	$56.49	$11.98
1037	12-Dec-09	16	3	$50.82	Yes	$50.97	$0.15
1038	12-Dec-09	16	3	$50.82	Yes	$56.49	$5.67
1039	12-Dec-09	16	4	$50.70	Yes	$50.97	$0.27
1040	12-Dec-09	16	4	$50.70	Yes	$56.49	$5.79
1041	12-Dec-09	16	5	$50.70	Yes	$50.97	$0.27
1042	12-Dec-09	16	5	$50.70	Yes	$56.49	$5.79
1043	12-Dec-09	16	6	$50.70	Yes	$50.97	$0.27

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1044	12-Dec-09	16	6	$50.70	Yes	$56.49	$5.79
1045	12-Dec-09	16	7	$50.73	Yes	$56.49	$5.76
1046	12-Dec-09	16	7	$50.73	Yes	$50.97	$0.24
1047	12-Dec-09	16	8	$50.73	Yes	$56.49	$5.76
1048	12-Dec-09	16	8	$50.73	Yes	$50.97	$0.24
1049	12-Dec-09	16	9	$56.08	Yes	$50.97	-$5.11
1050	12-Dec-09	16	9	$56.08	Yes	$56.49	$0.41
1051	12-Dec-09	16	10	$56.21	Yes	$50.97	-$5.24
1052	12-Dec-09	16	10	$56.21	Yes	$56.49	$0.28
1053	12-Dec-09	16	11	$56.12	Yes	$50.97	-$5.15
1054	12-Dec-09	16	11	$56.12	Yes	$56.49	$0.37
1055	12-Dec-09	16	12	$56.12	Yes	$56.49	$0.37
1056	12-Dec-09	16	12	$56.12	Yes	$50.97	-$5.15
1057	12-Dec-09	17	1	$41.78	Yes	$56.49	$14.71
1058	12-Dec-09	17	1	$41.78	Yes	$50.97	$9.19
1059	12-Dec-09	17	2	$41.78	Yes	$56.49	$14.71
1060	12-Dec-09	17	2	$41.78	Yes	$50.97	$9.19
1061	12-Dec-09	17	3	$43.57	Yes	$50.97	$7.40
1062	12-Dec-09	17	3	$43.57	Yes	$56.49	$12.92
1063	12-Dec-09	17	4	$43.23	Yes	$50.97	$7.74
1064	12-Dec-09	17	4	$43.23	Yes	$56.49	$13.26
1065	12-Dec-09	17	5	$50.77	Yes	$56.49	$5.72
1066	12-Dec-09	17	5	$50.77	Yes	$50.97	$0.20
1067	12-Dec-09	17	6	$56.00	Yes	$56.49	$0.49
1068	12-Dec-09	17	6	$56.00	Yes	$50.97	-$5.03
1069	12-Dec-09	17	7	$56.03	Yes	$50.97	-$5.06
1070	12-Dec-09	17	7	$56.03	Yes	$56.49	$0.46
1071	12-Dec-09	17	8	$56.23	Yes	$56.49	$0.26
1072	12-Dec-09	17	8	$56.23	Yes	$50.97	-$5.26
1073	12-Dec-09	17	9	$57.52	Yes	$50.97	-$6.55
1074	12-Dec-09	17	9	$57.52	Yes	$56.49	-$1.03
1075	12-Dec-09	17	10	$58.89	Yes	$50.97	-$7.92
1076	12-Dec-09	17	10	$58.89	Yes	$56.49	-$2.40
1077	12-Dec-09	17	11	$57.17	Yes	$50.97	-$6.20
1078	12-Dec-09	17	11	$57.17	Yes	$56.49	-$0.68
1079	12-Dec-09	17	12	$64.59	Yes	$56.49	-$8.10
1080	12-Dec-09	17	12	$64.59	Yes	$50.97	-$13.62
1081	12-Dec-09	18	1	$43.31	Yes	$56.49	$13.18
1082	12-Dec-09	18	1	$43.31	Yes	$50.97	$7.66
1083	12-Dec-09	18	2	$43.31	Yes	$56.49	$13.18
1084	12-Dec-09	18	2	$43.31	Yes	$50.97	$7.66
1085	12-Dec-09	18	3	$44.26	Yes	$50.97	$6.71
1086	12-Dec-09	18	3	$44.26	Yes	$56.49	$12.23
1087	12-Dec-09	18	4	$44.32	Yes	$50.97	$6.65
1088	12-Dec-09	18	4	$44.32	Yes	$56.49	$12.17

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1089	12-Dec-09	18	5	$44.50	Yes	$50.97	$6.47
1090	12-Dec-09	18	5	$44.50	Yes	$56.49	$11.99
1091	12-Dec-09	18	6	$45.66	Yes	$56.49	$10.83
1092	12-Dec-09	18	6	$45.66	Yes	$50.97	$5.31
1093	12-Dec-09	18	7	$56.49	Yes	$56.49	$0.00
1094	12-Dec-09	18	7	$56.49	Yes	$50.97	-$5.52
1095	12-Dec-09	18	8	$55.63	Yes	$56.49	$0.86
1096	12-Dec-09	18	8	$55.63	Yes	$50.97	-$4.66
1097	12-Dec-09	18	9	$55.63	Yes	$50.97	-$4.66
1098	12-Dec-09	18	9	$55.63	Yes	$56.49	$0.86
1099	12-Dec-09	18	10	$55.58	Yes	$50.97	-$4.61
1100	12-Dec-09	18	10	$55.58	Yes	$56.49	$0.91
1101	12-Dec-09	18	11	$55.58	Yes	$50.97	-$4.61
1102	12-Dec-09	18	11	$55.58	Yes	$56.49	$0.91
1103	12-Dec-09	18	12	$56.49	Yes	$56.49	$0.00
1104	12-Dec-09	18	12	$56.49	Yes	$50.97	-$5.52
1105	12-Dec-09	19	1	$56.62	Yes	$56.49	-$0.13
1106	12-Dec-09	19	1	$56.62	Yes	$50.97	-$5.65
1107	12-Dec-09	19	2	$56.62	Yes	$50.97	-$5.65
1108	12-Dec-09	19	2	$56.62	Yes	$56.49	-$0.13
1109	12-Dec-09	19	3	$55.63	Yes	$56.49	$0.86
1110	12-Dec-09	19	3	$55.63	Yes	$50.97	-$4.66
1111	12-Dec-09	19	4	$44.23	Yes	$56.49	$12.26
1112	12-Dec-09	19	4	$44.23	Yes	$50.97	$6.74
1113	12-Dec-09	19	5	$44.81	Yes	$50.97	$6.16
1114	12-Dec-09	19	5	$44.81	Yes	$56.49	$11.68
1115	12-Dec-09	19	6	$44.48	Yes	$50.97	$6.49
1116	12-Dec-09	19	6	$44.48	Yes	$56.49	$12.01
1117	12-Dec-09	19	7	$44.18	Yes	$56.49	$12.31
1118	12-Dec-09	19	7	$44.18	Yes	$50.97	$6.79
1119	12-Dec-09	19	8	$44.30	Yes	$50.97	$6.67
1120	12-Dec-09	19	8	$44.30	Yes	$56.49	$12.19
1121	12-Dec-09	19	9	$44.18	Yes	$56.49	$12.31
1122	12-Dec-09	19	9	$44.18	Yes	$50.97	$6.79
1123	12-Dec-09	19	10	$45.01	Yes	$56.49	$11.48
1124	12-Dec-09	19	10	$45.01	Yes	$50.97	$5.96
1125	12-Dec-09	19	11	$44.35	Yes	$56.49	$12.14
1126	12-Dec-09	19	11	$44.35	Yes	$50.97	$6.62
1127	12-Dec-09	19	12	$43.25	Yes	$50.97	$7.72
1128	12-Dec-09	19	12	$43.25	Yes	$56.49	$13.24
1129	12-Dec-09	20	1	$56.29	Yes	$56.49	$0.20
1130	12-Dec-09	20	1	$56.29	Yes	$50.97	-$5.32
1131	12-Dec-09	20	2	$56.29	Yes	$50.97	-$5.32
1132	12-Dec-09	20	2	$56.29	Yes	$56.49	$0.20
1133	12-Dec-09	20	3	$56.29	Yes	$56.49	$0.20

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1134	12-Dec-09	20	3	$56.29	Yes	$50.97	-$5.32
1135	12-Dec-09	20	4	$55.63	Yes	$56.49	$0.86
1136	12-Dec-09	20	4	$55.63	Yes	$50.97	-$4.66
1137	12-Dec-09	20	5	$49.90	Yes	$50.97	$1.07
1138	12-Dec-09	20	5	$49.90	Yes	$56.49	$6.59
1139	12-Dec-09	20	6	$50.77	Yes	$50.97	$0.20
1140	12-Dec-09	20	6	$50.77	Yes	$56.49	$5.72
1141	12-Dec-09	20	7	$44.79	Yes	$50.97	$6.18
1142	12-Dec-09	20	7	$44.79	Yes	$56.49	$11.70
1143	12-Dec-09	20	8	$45.28	Yes	$50.97	$5.69
1144	12-Dec-09	20	8	$45.28	Yes	$56.49	$11.21
1145	12-Dec-09	20	9	$44.19	Yes	$50.97	$6.78
1146	12-Dec-09	20	9	$44.19	Yes	$56.49	$12.30
1147	12-Dec-09	20	10	$44.28	Yes	$56.49	$12.21
1148	12-Dec-09	20	10	$44.28	Yes	$50.97	$6.69
1149	12-Dec-09	20	11	$43.23	Yes	$56.49	$13.26
1150	12-Dec-09	20	11	$43.23	Yes	$50.97	$7.74
1151	12-Dec-09	20	12	$43.00	Yes	$50.97	$7.97
1152	12-Dec-09	20	12	$43.00	Yes	$56.49	$13.49
1153	12-Dec-09	21	1	$56.26	Yes	$56.49	$0.23
1154	12-Dec-09	21	1	$56.26	Yes	$50.97	-$5.29
1155	12-Dec-09	21	2	$55.63	Yes	$56.49	$0.86
1156	12-Dec-09	21	2	$55.63	Yes	$50.97	-$4.66
1157	12-Dec-09	21	3	$50.90	Yes	$50.97	$0.07
1158	12-Dec-09	21	3	$50.90	Yes	$56.49	$5.59
1159	12-Dec-09	21	4	$50.68	Yes	$50.97	$0.29
1160	12-Dec-09	21	4	$50.68	Yes	$56.49	$5.81
1161	12-Dec-09	21	5	$55.63	Yes	$50.97	-$4.66
1162	12-Dec-09	21	5	$55.63	Yes	$56.49	$0.86
1163	12-Dec-09	21	6	$55.31	Yes	$56.49	$1.18
1164	12-Dec-09	21	6	$55.31	Yes	$50.97	-$4.34
1165	12-Dec-09	21	7	$50.79	Yes	$50.97	$0.18
1166	12-Dec-09	21	7	$50.79	Yes	$56.49	$5.70
1167	12-Dec-09	21	8	$50.68	Yes	$56.49	$5.81
1168	12-Dec-09	21	8	$50.68	Yes	$50.97	$0.29
1169	12-Dec-09	21	9	$50.68	Yes	$50.97	$0.29
1170	12-Dec-09	21	10	$45.36	Yes	$50.97	$5.61
1171	12-Dec-09	21	11	$43.71	Yes	$50.97	$7.26
1172	12-Dec-09	21	12	$42.45	Yes	$50.97	$8.52
1173	12-Dec-09	22	1	$56.28	Yes	$50.97	-$5.31
1174	12-Dec-09	22	2	$56.13	Yes	$50.97	-$5.16
1175	12-Dec-09	22	3	$44.42	Yes	$50.97	$6.55
1176	12-Dec-09	22	4	$44.65	Yes	$50.97	$6.32
1177	12-Dec-09	22	5	$43.88	Yes	$50.97	$7.09
1178	12-Dec-09	22	6	$48.22	Yes	$50.97	$2.75

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1179	12-Dec-09	22	7	$44.47	Yes	$50.97	$6.50
1180	12-Dec-09	22	8	$43.65	Yes	$50.97	$7.32
1181	12-Dec-09	22	9	$44.16	Yes	$50.97	$6.81
1182	12-Dec-09	22	10	$41.97	Yes	$50.97	$9.00
1183	12-Dec-09	22	11	$41.97	Yes	$50.97	$9.00
1184	12-Dec-09	22	12	$38.31	Yes	$50.97	$12.66
1185	12-Dec-09	23	1	$73.60	Yes	$50.97	-$22.63
1186	12-Dec-09	23	2	$62.82	Yes	$50.97	-$11.85
1187	12-Dec-09	23	3	$56.81	Yes	$50.97	-$5.84
1188	12-Dec-09	23	4	$56.67	Yes	$50.97	-$5.70
1189	12-Dec-09	23	5	$56.72	Yes	$50.97	-$5.75
1190	12-Dec-09	23	6	$57.62	Yes	$50.97	-$6.65
1191	12-Dec-09	23	7	$58.12	Yes	$50.97	-$7.15
1192	12-Dec-09	23	8	$55.80	Yes	$50.97	-$4.83
1193	12-Dec-09	23	9	$55.80	Yes	$50.97	-$4.83
1194	12-Dec-09	23	10	$43.65	Yes	$50.97	$7.32
1195	12-Dec-09	23	11	$43.46	Yes	$50.97	$7.51
1196	12-Dec-09	23	12	$41.56	Yes	$50.97	$9.41
1197	12-Dec-09	24	1	$46.11	Yes	$50.97	$4.86
1198	12-Dec-09	24	2	$43.93	Yes	$50.97	$7.04
1199	12-Dec-09	24	3	$43.66	Yes	$50.97	$7.31
1200	12-Dec-09	24	4	$43.67	Yes	$50.97	$7.30
1201	12-Dec-09	24	5	$43.67	Yes	$50.97	$7.30
1202	12-Dec-09	24	6	$43.12	Yes	$50.97	$7.85
1203	12-Dec-09	24	7	$41.08	Yes	$50.97	$9.89
1204	12-Dec-09	24	8	$41.08	Yes	$50.97	$9.89
1205	12-Dec-09	24	9	$43.58	Yes	$50.97	$7.39
1206	12-Dec-09	24	10	$43.02	Yes	$50.97	$7.95
1207	12-Dec-09	24	11	$35.06	Yes	$50.97	$15.91
1208	12-Dec-09	24	12	$35.06	Yes	$50.97	$15.91
1209	30-Dec-09	20	1	$59.17	No	$59.53	$0.36
1210	30-Dec-09	20	2	$59.16	No	$59.53	$0.37
1211	30-Dec-09	20	3	$58.78	No	$59.53	$0.75
1212	30-Dec-09	20	4	$56.55	No	$59.53	$2.98
1213	30-Dec-09	20	5	$58.80	No	$59.53	$0.73
1214	30-Dec-09	20	6	$56.55	No	$59.53	$2.98
1215	30-Dec-09	20	7	$54.28	No	$59.53	$5.25
1216	30-Dec-09	20	8	$54.28	No	$59.53	$5.25
1217	30-Dec-09	20	9	$54.28	No	$59.53	$5.25
1218	30-Dec-09	20	10	$53.98	No	$59.53	$5.55
1219	30-Dec-09	20	11	$52.85	No	$59.53	$6.68
1220	30-Dec-09	20	12	$52.85	No	$59.53	$6.68
1221	30-Dec-09	21	1	$58.78	No	$59.53	$0.75
1222	30-Dec-09	21	2	$57.89	No	$59.53	$1.64
1223	30-Dec-09	21	3	$56.37	No	$59.53	$3.16

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1224	30-Dec-09	21	4	$51.26	No	$59.53	$8.27
1225	30-Dec-09	21	5	$46.92	No	$59.53	$12.61
1226	30-Dec-09	21	6	$45.48	No	$59.53	$14.05
1227	30-Dec-09	21	7	$46.76	No	$59.53	$12.77
1228	30-Dec-09	21	8	$45.33	No	$59.53	$14.20
1229	30-Dec-09	21	9	$45.33	No	$59.53	$14.20
1230	30-Dec-09	21	10	$44.98	No	$59.53	$14.55
1231	30-Dec-09	21	11	$44.98	No	$59.53	$14.55
1232	30-Dec-09	21	12	$44.97	No	$59.53	$14.56
1233	30-Dec-09	22	1	$58.97	No	$59.53	$0.56
1234	30-Dec-09	22	2	$58.97	No	$59.53	$0.56
1235	30-Dec-09	22	3	$58.46	No	$59.53	$1.07
1236	30-Dec-09	22	4	$52.90	No	$59.53	$6.63
1237	30-Dec-09	22	5	$53.40	No	$59.53	$6.13
1238	30-Dec-09	22	6	$52.66	No	$59.53	$6.87
1239	30-Dec-09	22	7	$46.08	No	$59.53	$13.45
1240	30-Dec-09	22	8	$44.66	No	$59.53	$14.87
1241	30-Dec-09	22	9	$43.20	No	$59.53	$16.33
1242	30-Dec-09	22	10	$41.74	No	$59.53	$17.79
1243	30-Dec-09	22	11	$41.45	No	$59.53	$18.08
1244	30-Dec-09	22	12	$40.15	No	$59.53	$19.38
1245	30-Dec-09	23	1	$69.69	No	$59.53	-$10.16
1246	30-Dec-09	23	2	$67.27	No	$59.53	-$7.74
1247	30-Dec-09	23	3	$46.59	No	$59.53	$12.94
1248	30-Dec-09	23	4	$53.40	No	$59.53	$6.13
1249	30-Dec-09	23	5	$55.13	No	$59.53	$4.40
1250	30-Dec-09	23	6	$55.13	No	$59.53	$4.40
1251	30-Dec-09	23	7	$52.33	No	$59.53	$7.20
1252	30-Dec-09	23	8	$52.33	No	$59.53	$7.20
1253	30-Dec-09	23	9	$44.98	No	$59.53	$14.55
1254	30-Dec-09	23	10	$44.22	No	$59.53	$15.31
1255	30-Dec-09	23	11	$43.57	No	$59.53	$15.96
1256	30-Dec-09	23	12	$43.57	No	$59.53	$15.96

Appendix C: Exceptional Dispatch Bid Mitigation Analysis

In December 2009, the ISO applied the exceptional dispatch bid mitigation to the exceptional dispatches that are noncompetitive TMODELs[10] and Delta Dispatch. Table 10 shows the costs by instruction type in December. With exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches were $126,852. Without the exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches would be $145,113. The cost saving from the exceptional dispatch bid mitigation was $18,261. In December, the cost saving from the exceptional dispatches which are TMODEL6 and TMODEL5 accounted for approximately 51 percent and 48 percent of total cost saving respectively.

Table 10: Bid Mitigation Analysis for December

Type	Number of Resources	Costs without Bid Mitigation	Costs with Bid Mitigation	Cost Saving
TMODEL5	4	$35,012	$26,206	$8,806
TMODEL6	3	$109,500	$100,205	$9,295
TMODEL7	1	$601	$441	$160
Total	8	$145,113	$126,852	$18,261

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[10] 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 March, 2010.

/s/ Anna Pascuzzo
Anna Pascuzzo