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October 30, 2009

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

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

Dear Secretary Bose:

Pursuant to the Commission's September 2, 2009 order in the above-identified docket,[1] the California Independent System Operator Corporation ("ISO") submits the attached report. The attached report provides the details that the Commission directed to be included in "Chart 2," which was set forth in Appendix A of the September 2 Order, as modified by the ISO's September 14 motion for clarification of the September 2 Order. The attached report provides Chart 2 data for the month of July 2009.[2] The September 14 motion proposed to file Chart 2 report for any given calendar month on the 30th of the month following the filing of the "Chart 1" report. The ISO filed the Chart 1 report for July 2009 on September 29, 2009. The Chart 2 report also includes the price impact analysis required by Paragraph 44 of the September 2 Order.

The attached report is based on information contained in the ISO's Market Quality System (MQS). The use of MQS data provides more complete data on the number of Exceptional Dispatches and the details required by the September 2 order.

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[1]   *Cal. Indep. Sys. Operator Corp.,* 128 FERC ¶ 61,218 (2008) (September 2 Order).
[2] .   In the September 14 motion, the ISO explained that in order to provide the ability to track data between the initial Exceptional Dispatch data reported in Chart 1 and the settlements data provided in Chart 2, as the Commission required, the ISO would need to report Exceptional Dispatch data on a calendar month basis.

Yours truly,

/s/ Michael E. Ward

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Exceptional Dispatch Report

Table 2: July 2009

ISO Market Services   October 30 2009

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Introduction

In its September 2nd order in ER08-1175, FERC directed the ISO to file two exceptional dispatch reports for each calendar month. The ISO filed the first report for July on September 29th, which contained details of occurrences of exceptional dispatch instructions according to the FERC-prescribed format.[1] This is the second report for July, which contains cost information relating to each occurrence detailed in the first report. This report follows the format as modified by the ISO's request for clarification filed on September 14, 2009 and described in the accompanying covering letter.

In addition, this report contains a price impact analysis as prescribed by FERC order.[2] The price impact analysis for the month of July is presented in Appendix B.

The Nature of Exceptional Dispatch

The ISO can issue exceptional dispatch instructions for a resource as a pre-day-ahead unit commitment, a post day-ahead unit commitment or a real-time exceptional dispatch. A pre-day-ahead unit commitment is an exceptional dispatch instruction committing a resource at or above its physical minimum (Pmin) operating level in the day-ahead market. A post-day-ahead unit commitment is an exceptional dispatch instruction committing a resource at or above its (Pmin) operating level in the real-time market. A real-time exceptional dispatch instructs a resource to operate at or above its physical minimum operating point. For the purposes of this report, a real-time exceptional dispatch above the resource's day-ahead award is considered an incremental exceptional dispatch instruction and a real-time exceptional dispatch below the day-ahead award is considered a decremental dispatch instruction. The ISO issues exceptional dispatch instructions primarily to manage transmission constraints that are not modeled in the market software. In addition to constraints, the ISO also issues exceptional dispatch instructions relating to reliability requirements and, on occasion, software failures. Reliability requirements are calculated for both local area and the system wide needs, and are classified into various requirements including local generation, transmission management, non-modeled transmission outages, ramping and intertie emergency assistance. Whenever the ISO issues an exceptional dispatch instruction, these instructions are logged by the operators into the scheduling and logging system (SLIC), including an associated reason for each exceptional dispatch instruction.
In July, the ISO issued exceptional dispatches for the following local area generation requirements: (1) G-219, Southern California Edison (SCE) local area requirements for Orange County; (2) G-217, South of Lugo generation requirements; (3) G-206, San Diego area generation requirements; (4) G-233,

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[1] *See Cal. Indep. Sys. Operator Corp.*, 128 FERC ¶ 61,218 at PP 38-43 (2009).
[2] *See Id.* at P 44.

Bay Area generation requirements; and (5) SP26, generation requirements for south of Path 26 area. In addition, the ISO issued exceptional dispatch instructions for the following transmission management requirements: (1) T-129, transmission facilities in Fresno area; (2) T-138, transmission facilities in Humboldt area; (3) T-132, transmission facilities in San Diego and Imperial Valley area; (4) T-165, transmission facilities in Palermo Rio-Oso area; (5) T-167, Tesla Bellota Area; (6) Mirage-Tamarisk and Mirage-Concho 115kV lines; and (6) other transmission outages in PGE, SCE and SDGE area.

The reason codes in Table 1 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] Reasons for exceptional dispatch other than generation or transmission requirements 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 July. 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) CC662. 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). .

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

The begin time and end time columns show the start and end time of exceptional dispatch for the classification respectively.

- The hours column is the time difference between begin time and end time rounded up to the next hour.
- The total volume column shows the total MWh dispatch quantity dispatched for that classification. This quantity includes the minimum load quantity, the imbalance energy quantity, and the exceptional dispatch quantity.
- The Min-Load Cost column shows eligible minimum load cost for the classification.
- The Start-Up Cost column shows the eligible start up cost for the classification. Please note that the ISO does not explicitly pay resources for its start up and minimum load costs; however, it ensures that resources are compensated adequately through its bid cost recovery process.[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

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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.

dispatch MWH quantities. The classification of data is further explained by way of example in Attachment A.

Table 1: Exceptional Dispatches in July 2009

California Independent System Operator Corporation Exceptional Dispatch Report October 30, 2009
Chart 2: Table of Exceptional Dispatches for Period 01/Jul/2009 - 31/July/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	CC8482	CC6488	CC6620
1	DA	G-206	SDGE	San Diego	1-Jul-09	190	Yes	N/A	19	5:00	23:00	3,610	$ 115,998	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 9,334
2	DA	G-206	SDGE	San Diego	2-Jul-09	170	Yes	N/A	19	5:00	23:00	2,720	$ 83,815	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
3	DA	G-206	SDGE	San Diego	3-Jul-09	170	Yes	N/A	16	8:00	23:00	2,720	$ 81,528	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
4	DA	G-206	SDGE	San Diego	4-Jul-09	170	Yes	N/A	24	0:00	23:00	4,080	$ 118,862	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 9,148
5	DA	G-206	SDGE	San Diego	5-Jul-09	170	Yes	N/A	24	0:00	23:00	2,890	$ 79,776	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
6	DA	G-206	SDGE	San Diego	6-Jul-09	170	Yes	N/A	24	0:00	23:00	4,080	$ 112,625	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
7	DA	G-206	SDGE	San Diego	7-Jul-09	170	Yes	N/A	24	0:00	23:00	3,400	$ 90,870	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
8	DA	G-206	SDGE	San Diego	9-Jul-09	200	Yes	N/A	24	0:00	23:00	4,800	$ 125,099	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
9	DA	G-206	SDGE	San Diego	14-Jul-09	60	Yes	N/A	24	0:00	23:00	1,440	$ 70,368	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 5,646
10	DA	G-206	SDGE	San Diego	15-Jul-09	60	Yes	N/A	24	0:00	23:00	1,440	$ 70,368	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 20,198
11	DA	G-206	SDGE	San Diego	16-Jul-09	60	Yes	N/A	24	0:00	23:00	1,440	$ 74,428	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 56,698
12	DA	G-206	SDGE	San Diego	17-Jul-09	60	Yes	N/A	24	0:00	23:00	1,440	$ 75,709	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 18,066
13	DA	G-206	SDGE	San Diego	18-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 31,645	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
14	DA	G-206	SDGE	San Diego	19-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 30,436	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 1,311
15	DA	G-206	SDGE	San Diego	20-Jul-09	40	Yes	N/A	24	0:00	23:00	760	$ 49,458	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 26,724
16	DA	G-206	SDGE	San Diego	21-Jul-09	40	Yes	N/A	24	0:00	23:00	960	$ 65,556	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 81,533
17	DA	G-206	SDGE	San Diego	22-Jul-09	40	Yes	N/A	24	0:00	23:00	960	$ 64,237	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 47,911

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	CC8482	CC6488	CC6620
18	DA	G-206	SDGE	San Diego	23-Jul-09	40	Yes	N/A	24	0:00	23:00	960	$ 69,142	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 20,684
19	DA	G-206	SDGE	San Diego	24-Jul-09	40	Yes	N/A	24	0:00	23:00	960	$ 68,604	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 20,923
20	DA	G-206	SDGE	San Diego	25-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 33,288	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 9,593
21	DA	G-206	SDGE	San Diego	27-Jul-09	40	Yes	N/A	24	0:00	23:00	960	$ 65,993	$ 6,854	$ -	-	$ -	$ -	$ -	$ -	$ -
22	DA	G-206	SDGE	San Diego	29-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 32,509	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 20,540
23	DA	G-206	SDGE	San Diego	31-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 32,770	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 1,806
24	DA	G-217	SCE	LA Basin	1-Jul-09	90-115	Yes	N/A	24	0:00	23:00	2,535	$ 172,110	$ 21,474	$ -	-	$ -	$ -	$ -	$ -	$ 203,172
25	DA	G-217	SCE	LA Basin	2-Jul-09	90-115	Yes	N/A	24	0:00	23:00	2,535	$ 172,110	$ 21,474	$ -	-	$ -	$ -	$ -	$ -	$ 57,573
26	DA	G-217	SCE	LA Basin	3-Jul-09	130-155	Yes	N/A	24	0:00	23:00	3,495	$ 249,772	$ 21,474	$ -	-	$ -	$ -	$ -	$ -	$ 155,974
27	DA	G-217	SCE	LA Basin	4-Jul-09	90-115	Yes	N/A	24	0:00	23:00	2,535	$ 167,783	$ 21,474	$ -	-	$ -	$ -	$ -	$ -	$ 104,801
28	DA	G-217	SCE	LA Basin	5-Jul-09	90-115	Yes	N/A	24	0:00	23:00	2,535	$ 165,723	$ 21,474	$ -	-	$ -	$ -	$ -	$ -	$ 117,848
29	DA	G-217	SCE	LA Basin	6-Jul-09	90-115	Yes	N/A	24	0:00	23:00	2,535	$ 165,723	$ 21,474	$ -	-	$ -	$ -	$ -	$ -	$ 97,227
30	DA	G-217	SCE	LA Basin	7-Jul-09	20-45	Yes	N/A	24	0:00	23:00	855	$ 63,940	$ 21,474	$ -	-	$ -	$ -	$ -	$ -	$ 56,043
31	DA	G-217	SCE	LA Basin	9-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 34,543	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 18,978
32	DA	G-217	SCE	LA Basin	10-Jul-09	20-45	Yes	N/A	24	0:00	23:00	855	$ 50,763	$ 21,474	$ -	-	$ -	$ -	$ -	$ -	$ 47,344
33	DA	G-217	SCE	LA Basin	14-Jul-09	205	Yes	N/A	24	0:00	23:00	4,920	$ 211,032	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
34	DA	G-217	SCE	LA Basin	15-Jul-09	180	Yes	N/A	24	0:00	23:00	4,320	$ 295,140	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 18,924
35	DA	G-217	SCE	LA Basin	16-Jul-09	130	Yes	N/A	24	0:00	23:00	4,320	$ 297,101	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 4,687
36	DA	G-217	SCE	LA Basin	17-Jul-09	130	Yes	N/A	24	0:00	23:00	4,320	$ 277,159	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 25,795
37	DA	G-217	SCE	LA Basin	18-Jul-09	270	Yes	N/A	24	0:00	23:00	6,480	$ 328,824	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 1,397
38	DA	G-217	SCE	LA Basin	19-Jul-09	245	Yes	N/A	24	0:00	23:00	5,880	$ 325,967	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 674

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	CC8482	CC6488	CC6620
39	DA	G-217	SCE	LA Basin	20-Jul-09	115-175	Yes	N/A	24	0:00	23:00	3,410	$ 252,630	$ 86,321	$ -	-	$ -	$ -	$ -	$ -	$ 182,787
40	DA	G-217	SCE	LA Basin	21-Jul-09	266	Yes	N/A	24	0:00	23:00	6,384	$ 400,271	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 96,834
41	DA	G-217	SCE	LA Basin	22-Jul-09	287	Yes	N/A	24	0:00	23:00	8,088	$ 472,912	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 63,350
42	DA	G-217	SCE	LA Basin	23-Jul-09	287	Yes	N/A	24	0:00	23:00	8,088	$ 474,972	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 153,204
43	DA	G-217	SCE	LA Basin	24-Jul-09	267	Yes	N/A	24	0:00	23:00	6,408	$ 391,584	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 207,558
44	DA	G-219	SCE	LA Basin	1-Jul-09	60	Yes	N/A	24	0:00	23:00	1,440	$ 97,680	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 12,826
45	DA	G-219	SCE	LA Basin	2-Jul-09	60	Yes	N/A	24	0:00	23:00	1,440	$ 97,680	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 20,494
46	DA	G-219	SCE	LA Basin	3-Jul-09	40	Yes	N/A	24	0:00	23:00	960	$ 56,342	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 28,215
47	DA	G-219	SCE	LA Basin	4-Jul-09	40	Yes	N/A	24	0:00	23:00	960	$ 69,624	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 24,362
48	DA	G-219	SCE	LA Basin	5-Jul-09	40	Yes	N/A	24	0:00	23:00	960	$ 69,624	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 37,586
49	DA	G-219	SCE	LA Basin	6-Jul-09	40	Yes	N/A	24	0:00	23:00	960	$ 69,624	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 22,221
50	DA	G-219	SCE	LA Basin	9-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 30,624	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 13,875
51	DA	G-219	SCE	LA Basin	10-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 30,624	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 14,705
52	DA	G-219	SCE	LA Basin	11-Jul-09	40	Yes	N/A	24	0:00	23:00	960	$ 69,624	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 22,086
53	DA	G-219	SCE	LA Basin	12-Jul-09	40	Yes	N/A	24	0:00	23:00	960	$ 69,624	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 3,611
54	DA	G-219	SCE	LA Basin	13-Jul-09	40	Yes	N/A	24	0:00	23:00	960	$ 69,624	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
55	DA	G-219	SCE	LA Basin	14-Jul-09	490	Yes	N/A	24	0:00	23:00	11,738	$ 294,096	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
56	DA	G-219	SCE	LA Basin	15-Jul-09	170	Yes	N/A	24	0:00	23:00	4,080	$ 152,768	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
57	DA	G-219	SCE	LA Basin	16-Jul-09	170	Yes	N/A	24	0:00	23:00	4,080	$ 210,480	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
58	DA	G-219	SCE	LA Basin	17-Jul-09	170	Yes	N/A	24	0:00	23:00	4,080	$ 69,624	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
59	DA	G-219	SCE	LA Basin	18-Jul-09	80	Yes	N/A	24	0:00	23:00	1,920	$ 135,269	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 6,485

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	CC8482	CC6488	CC6620
60	DA	G-219	SCE	LA Basin	19-Jul-09	60	Yes	N/A	24	0:00	23:00	1,440	$ 94,825	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 5,547
61	DA	G-219	SCE	LA Basin	20-Jul-09	80	Yes	N/A	24	0:00	23:00	1,920	$ 133,825	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
62	DA	G-219	SCE	LA Basin	21-Jul-09	80	Yes	N/A	24	0:00	23:00	1,920	$ 97,680	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
63	DA	G-219	SCE	LA Basin	22-Jul-09	80	Yes	N/A	24	0:00	23:00	1,920	$ 135,269	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
64	DA	G-219	SCE	LA Basin	23-Jul-09	80	Yes	N/A	24	0:00	23:00	1,920	$ 137,333	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 1,902
65	DA	G-219	SCE	LA Basin	24-Jul-09	80	Yes	N/A	24	0:00	23:00	1,920	$ 137,023	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 23,178
66	DA	G-219	SCE	LA Basin	25-Jul-09	260	Yes	N/A	24	0:00	23:00	6,240	$ 285,072	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
67[9]	DA	Other-Load Forecast uncertainty	SCE	Big Creek-Ventura	19-Jul-09	20-40	Yes	N/A	24	0:00	23:00	-	$ -	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
68[10]	DA	Other-Load Forecast uncertainty	SCE	LA Basin	14-Jul-09	25	Yes	N/A	24	0:00	23:00	-	$ -	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
69	DA	Path 26	SCE	Big Creek-Ventura	20-Jul-09	140	Yes	N/A	24	0:00	23:00	3,360	$ 186,245	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 40,393
70	DA	Path 26	SCE	Big Creek-Ventura	21-Jul-09	140	Yes	N/A	24	0:00	23:00	3,360	$ 193,615	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 58,307
71	DA	Path 26	SCE	Big Creek-Ventura	22-Jul-09	100	Yes	N/A	24	0:00	23:00	2,400	$ 138,990	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
72	DA	Path 26	SCE	Big Creek-Ventura	23-Jul-09	100	Yes	N/A	24	0:00	23:00	2,400	$ 144,515	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 52,446
73	DA	Path 26	SCE	LA Basin	20-Jul-09	91	Yes	N/A	16	8:00	23:00	1,456	$ 56,373	$ 39,732	$ -	-	$ -	$ -	$ -	$ -	$ 19,848
74	DA	Ramp Rate	SCE	LA Basin	9-Jul-09	25	Yes	N/A	15	7:00	21:00	375	$ 28,470	$ 21,474	$ -	-	$ -	$ -	$ -	$ -	$ 30,799
75	DA	Region Reliability	SCE	LA Basin	1-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 36,500	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 13,621

[9] Volume and cost information associated with this exceptional dispatch is captured in entry number 192 of this table.
[10] Volume and cost information associated with this exceptional dispatch is captured in entry number 200 of this table.

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	CC8482	CC6488	CC6620
76	DA	Region Reliability	SCE	LA Basin	2-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 39,796	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 8,255
77	DA	Region Reliability	SCE	LA Basin	17-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 36,088	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
78[11]	DA	SP26 Capacity	SCE	LA Basin	7-Jul-09	20	Yes	N/A	24	0:00	23:00	-	$ -	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 30,944
79	DA	SP26 Capacity	SCE	LA Basin	27-Jul-09	20	Yes	N/A	19	5:00	23:00	380	$ 30,307	$ 20,484	$ -	-	$ -	$ -	$ -	$ -	$ -
80[12]	DA	SP26 Capacity	SCE	LA Basin	28-Jul-09	130	Yes	N/A	24	0:00	23:00	-	$ -	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 47,056
81	DA	Software Limitation	PGAE	Bay Area	19-Jul-09	45	Yes	N/A	21	3:00	23:00	945	$ 48,659	$ 22,859	$ -	-	$ -	$ -	$ -	$ -	$ 19,150
82	DA	Software Limitation	SCE	LA Basin	12-Jul-09	200	Yes	N/A	14	10:00	23:00	1,820	$ 82,166	$ 127,882	$ -	-	$ -	$ -	$ -	$ -	$ 151,250
83	DA	Software Limitation	SCE	LA Basin	30-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 38,972	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 10,533
84	DA	T-132	SDGE	San Diego	2-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 33,548	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 16,075
85	DA	Transmission Outage PGAE	PGAE	Bay Area	7-Jul-09	200	Yes	N/A	9	7:00	15:00	2,277	$ 62,909	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
86	DA	Transmission Outage SCE	SCE	Big Creek-Ventura	9-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 25,301	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 11,123
87	DA	Transmission Outage SCE	SCE	Big Creek-Ventura	10-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 25,824	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
88	DA	Transmission Outage SCE	SCE	Big Creek-Ventura	11-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$ 25,749	$ -	$ -	-	$ -	$ -	$ -	$ -	$ 11,750

[11] Volume and cost information associated with this exceptional dispatch is captured in entry number 197 of this table.

[12] Volume and cost information associated with this exceptional dispatch is captured in entry number 206 of this table.

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	CC8482	CC6488	CC6620
89	DA	Transmission Outage SCE	SCE	Big Creek-Ventura	12-Jul-09	20	Yes	N/A	16	0:00	15:00	320	$17,316	$-	$-	-	$-	$-	$-	$-	$6,995
90	DA	Transmission Outage SCE	SCE	LA Basin	7-Jul-09	111	Yes	N/A	24	0:00	23:00	2,664	$125,016	$-	$-	-	$-	$-	$-	$-	$66,069
91	DA	Transmission Outage SCE	SCE	LA Basin	8-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$30,624	$-	$-	-	$-	$-	$-	$-	$18,045
92	DA	Transmission Outage SDGE	SDGE	San Diego	18-Jul-09	20	Yes	N/A	14	6:00	19:00	280	$13,555	$-	$-	-	$-	$-	$-	$-	$-
93	DA	Transmission Outage SDGE	SDGE	San Diego	29-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$34,838	$-	$-	-	$-	$-	$-	$-	$21,012
94	DA	Transmission Outage SDGE	SDGE	San Diego	30-Jul-09	20	Yes	N/A	24	0:00	23:00	480	$32,856	$-	$-	-	$-	$-	$-	$-	$9,989
95	RT	Circulation	Inter-tie	NO LRA	4-Jul-09	305	No	INC	1	6:00	6:59	248	$-	$-	$-	-	$-	$-	$-	$-	
96	RT	Circulation	Inter-tie	NO LRA	9-Jul-09	2	No	INC	1	7:40	7:59	1	$-	$-	$-	-	$-	$-	$-	$-	
97	RT	Circulation	Inter-tie	NO LRA	29-Jul-09	64-408	No	INC	23	1:00	23:59	525	$-	$-	$-	-	$-	$-	$-	$-	
98	RT	Circulation	Inter-tie	NO LRA	30-Jul-09	150	No	INC	1	21:00	21:59	141	$-	$-	$-	-	$-	$-	$-	$-	
99	RT	Circulation	Inter-tie	NO LRA	31-Jul-09	432-762	No	INC	5	1:00	5:59	2,391	$-	$-	$-	-	$-	$-	$-	$-	
100	RT	G-206	SDGE	San Diego	11-Jul-09	200	No	INC	2	8:00	9:59	(10)	$-	$-	$280	-	$-	$-	$-	$-	
101	RT	G-206	SDGE	San Diego	14-Jul-09	47-376	No	DEC	9	13:25	21:59	(757)	$-	$-	$30,616	-	$-	$-	$-	$-	
102	RT	G-206	SDGE	San Diego	14-Jul-09	0-68	No	INC	9	13:25	21:59	70	$1,052	$-	$(2,423)	14	$(471)	$-	$-	$-	$(16)
103	RT	G-206	SDGE	San Diego	15-Jul-09	11-164	No	DEC	12	10:50	21:59	(1,128)	$-	$-	$40,035	-	$-	$-	$-	$-	

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	CC8482	CC6488	CC6620
104	RT	G-206	SDGE	San Diego	15-Jul-09	0-43	No	INC	12	10:50	21:59	41	$ -	$ -	$ (1,314)	41	$ (1,316)	$ -	$ -	$ (225)	
105	RT	G-206	SDGE	San Diego	16-Jul-09	38-174	No	DEC	14	8:05	21:59	(837)	$ -	$ -	$ 68,767	-	$ -	$ -	$ -	$ -	
106	RT	G-206	SDGE	San Diego	16-Jul-09	43	No	INC	14	8:05	21:59	283	$ -	$ -	$ (10,924)	153	$ (5,928)	$ -	$ -	$ -	
107	RT	G-206	SDGE	San Diego	19-Jul-09	20	No	INC	3	21:00	23:59	316	$ 4,076	$ -	$ (11,663)	-	$ -	$ -	$ -	$ -	
108	RT	G-206	SDGE	San Diego	20-Jul-09	310	YES	DEC	6	14:10	19:59	(1,089)	$ -	$ -	$ 42,568	-	$ -	$ -	$ -	$ -	
109	RT	G-206	SDGE	San Diego	20-Jul-09	20	YES	INC	10	0:00	9:59	196	$ 13,588	$ -	$ (2,013)	-	$ -	$ -	$ -	$ -	
110	RT	G-206	SDGE	San Diego	28-Jul-09	29-90	No	DEC	2	17:38	18:37	(93)	$ -	$ -	$ 9,333	-	$ -	$ -	$ -	$ -	
111	RT	G-206	SDGE	San Diego	28-Jul-09	48-70	No	INC	7	17:38	23:59	145	$ -	$ -	$ (9,593)	113	$ (5,621)	$ -	$ (209)	$ (372)	
112	RT	G-217	SCE	LA Basin	6-Jul-09	20-191	No	INC	20	4:00	23:54	1,700	$ 34,880	$ 59,136	$ (33,698)	1,289	$ (27,587)	$ -	$ -	$ (13,122)	
113	RT	G-217	SCE	LA Basin	13-Jul-09	25-290	No	INC	20	4:00	23:59	10,257	$ 81,543	$ 115,730	$ (351,107)	-	$ -	$ -	$ -	$ -	
114	RT	G-217	SCE	LA Basin	14-Jul-09	20	No	INC	13	11:00	23:59	3,434	$ 22,672	$ 55,573	$ (289,731)	-	$ -	$ -	$ -	$ -	
115	RT	G-217	SCE	LA Basin	19-Jul-09	316	No	DEC	2	15:45	16:59	(16)	$ -	$ -	$ 1,099	-	$ -	$ -	$ -	$ -	
116	RT	G-217	SCE	LA Basin	19-Jul-09	20	No	INC	2	22:00	23:59	398	$ 3,488	$ -	$ (13,099)	-	$ -	$ -	$ -	$ -	
117	RT	G-217	SCE	LA Basin	20-Jul-09	10-150	No	INC	24	0:00	23:59	4,115	$ 53,125	$ 29,741	$ (167,188)	-	$ -	$ -	$ -	$ -	
118	RT	G-217	SCE	LA Basin	21-Jul-09	91	No	INC	17	7:00	23:54	1,626	$ 50,427	$ 39,732	$ (59,962)	-	$ -	$ -	$ -	$ -	
119	RT	G-217	SCE	LA Basin	22-Jul-09	20-150	No	INC	4	20:00	23:59	238	$ 15,533	$ -	$ (6,915)	-	$ -	$ -	$ -	$ -	
120	RT	G-217	SCE	LA Basin	23-Jul-09	20	No	INC	24	0:00	23:59	1,004	$ 57,984	$ -	$ (33,676)	-	$ -	$ -	$ -	$ -	
121	RT	G-217	SCE	LA Basin	30-Jul-09	20	No	INC	2	22:00	23:59	34	$ 2,552	$ -	$ (735)	-	$ -	$ -	$ -	$ -	
122	RT	G-217	SCE	LA Basin	31-Jul-09	20	No	INC	22	0:00	21:59	1,825	$ 25,520	$ -	$ (146,320)	-	$ -	$ -	$ -	$ -	
123	RT	G-217	SDGE	San Diego	13-Jul-09	20-40	YES	INC	7	5:00	11:59	381	$ 8,092	$ -	$ (30,675)	10	$ (1,400)	$ -	$ -	$ -	
124	RT	G-219	SCE	LA Basin	10-Jul-09	20	No	INC	3	21:00	23:59	726	$ 4,875	$ -	$ (27,956)	-	$ -	$ -	$ -	$ -	

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	CC8482	CC6488	CC6620
125	RT	G-233	PGAE	Bay Area	14-Jul-09	11	No	DEC	3	19:30	21:59	(16)	$ -	$ -	$ 548	(15)	$ -	$ 504	$ -	$ (477)	
126	RT	G-233	PGAE	Bay Area	14-Jul-09	80	No	INC	3	19:30	21:59	(4)	$ -	$ -	$ 141	-	$ -	$ -	$ -	$ -	
127	RT	Generation Outage	SCE	LA Basin	6-Jul-09	91	No	INC	22	2:00	23:54	1,752	$ 75,383	$ 39,732	$ (28,911)	-	$ -	$ -	$ -	$ -	
128	RT	InterTie Emergency Assitance	Inter-tie	NO LRA	10-Jul-09	50-67	No	INC	2	15:00	16:59	(117)	$ -	$ -	$ 0	(117)	$ -	$ 27,731	$ -	$ -	
129	RT	InterTie Emergency Assitance	Inter-tie	NO LRA	16-Jul-09	150	No	INC	1	15:00	15:59	(150)	$ -	$ -	$ -	(150)	$ -	$ 5,979	$ -	$ -	
130	RT	InterTie Emergency Assitance	Inter-tie	NO LRA	21-Jul-09	47-250	No	INC	3	15:00	17:59	(481)	$ -	$ -	$ 0	(481)	$ -	$ 58,163	$ -	$ -	
131	RT	InterTie Emergency Assitance	Inter-tie	NO LRA	28-Jul-09	153-340	No	INC	3	17:00	19:59	(604)	$ -	$ -	$ (0)	(604)	$ -	$ 40,411	$ -	$ -	
132	RT	Market Disruption	Inter-tie	NO LRA	27-Jul-09	70-475	No	INC	1	0:45	0:44	(387)	$ -	$ -	$ -	(387)	$ -	$ (26,943)	$ -	$ -	
133	RT	Market Disruption	Inter-tie	NO LRA	31-Jul-09	481	No	DEC	1	3:00	3:59	(381)	$ -	$ -	$ 2,790	(381)	$ -	$ 2,790	$ -	$ -	
134	RT	Market Disruption	Inter-tie	NO LRA	31-Jul-09	342	No	INC	1	3:00	3:59	(50)	$ -	$ -	$ 269	(50)	$ -	$ 269	$ -	$ -	
135	RT	Model Issue	PGAE	Bay Area	8-Jul-09	0	No	INC	2	16:30	17:29	-	$ -	$ -	$ -	-	$ -	$ -	$ -	$ -	
136	RT	Model Issue	PGAE	Fresno	1-Jul-09	0-41	YES	INC	2	11:25	12:09	19	$ -	$ -	$ (728)	-	$ -	$ -	$ -	$ -	
137	RT	Model Issue	PGAE	Fresno	4-Jul-09	0	No	INC	4	5:30	8:04	(3)	$ -	$ -	$ (100)	-	$ -	$ -	$ -	$ -	
138	RT	Model Issue	PGAE	Humboldt	2-Jul-09	0-10	YES	INC	5	8:02	12:49	39	$ 7,605	$ 59	$ (1,448)	15	$ (541)	$ -	$ -	$ (347)	
139	RT	Model Issue	PGAE	Humboldt	22-Jul-09	10	No	INC	2	8:55	9:11	4	$ -	$ -	$ (128)	2	$ (74)	$ -	$ -	$ (41)	
140	RT	Model Issue	SCE	LA Basin	4-Jul-09	0	No	INC	2	0:00	1:59	(1)	$ -	$ -	$ 28	-	$ -	$ -	$ -	$ -	

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	CC8482	CC6488	CC6620
141	RT	Model Issue	SCE	LA Basin	20-Jul-09	91-225	No	DEC	17	7:00	23:59	(3,481)	$ -	$ -	$ 136,792	(3,167)	$ -	$ 128,249	$ -	$ -	
142	RT	Model Issue	SDGE	San Diego	15-Jul-09	0	No	INC	2	22:15	23:39	3	$ 244	$ -	$ (102)	-	$ -	$ -	$ -	$ -	
143	RT	Model Issue	SDGE	San Diego	17-Jul-09	0	No	INC	19	0:10	18:34	2	$ 522	$ -	$ (52)	-	$ -	$ -	$ -	$ -	
144	RT	Model Issue	SDGE	San Diego	28-Jul-09	0	No	INC	2	0:05	1:29	3	$ 278	$ -	$ (91)	-	$ -	$ -	$ -	$ -	
145	RT	Model issue	PGAE	N/A	30-Jul-09	141-244	No	DEC	7	17:17	23:51	(1,531)	$ -	$ -	$ 2,322	(1,496)	$ -	$ 1,903	$ -	$ -	
146	RT	NP26 Capacity	PGAE	Bay Area	20-Jul-09	85	No	INC	2	4:00	5:59	206	$ 10,060	$ 3,984	$ 707	-	$ -	$ -	$ -	$ -	
147	RT	Over Generation	PGAE	NCNB	18-Jul-09	30-31	No	DEC	4	17:00	20:59	(115)	$ -	$ -	$ 2	(115)	$ -	$ -	$ -	$ -	
148	RT	Path 26	SCE	LA Basin	24-Jul-09	70	No	INC	1	23:00	23:59	67	$ 4,241	$ -	$ (1,562)	-	$ -	$ -	$ -	$ -	
149	RT	Path 26	SCE	LA Basin	29-Jul-09	130-200	No	INC	24	0:00	23:59	9,679	$ 241,759	$ -	$ (309,233)	-	$ -	$ -	$ -	$ -	
150	RT	Path 26	SDGE	San Diego	22-Jul-09	30	No	INC	7	17:00	23:59	326	$ 10,342	$ 1,698	$ (11,827)	-	$ -	$ -	$ -	$ -	
151	RT	Path 26	SDGE	San Diego	23-Jul-09	40-75	No	DEC	7	17:00	23:59	(116)	$ -	$ -	$ 4,193	-	$ -	$ -	$ -	$ -	
152	RT	Path 26	SDGE	San Diego	23-Jul-09	30-60	No	INC	24	0:00	23:59	706	$ 485	$ -	$ (12,214)	-	$ -	$ -	$ -	$ -	
153	RT	Ramp Rate	SCE	Big Creek-Ventura	19-Jul-09	100-600	No	INC	13	11:00	23:59	4,000	$ 54,779	$ -	$ (243,005)	635	$ (23,874)	$ -	$ (3,824)	$ -	
154	RT	Ramp Rate	SCE	Big Creek-Ventura	20-Jul-09	149-341	No	DEC	8	12:50	19:59	(463)	$ -	$ -	$ 19,192	-	$ -	$ -	$ -	$ -	
155	RT	Ramp Rate	SCE	Big Creek-Ventura	20-Jul-09	1-300	No	INC	8	12:50	19:59	734	$ -	$ -	$ (37,563)	743	$ (37,842)	$ -	$ -	$ -	
156	RT	Ramp Rate	SCE	Big Creek-Ventura	21-Jul-09	8-300	No	INC	10	12:40	21:29	1,470	$ -	$ -	$ (71,781)	1,455	$ (71,221)	$ -	$ -	$ -	
157	RT	Ramp Rate	SCE	Big Creek-Ventura	22-Jul-09	76	No	DEC	10	11:00	20:59	200	$ -	$ -	$ (59,881)	-	$ -	$ -	$ -	$ -	
158	RT	Ramp Rate	SCE	Big Creek-Ventura	22-Jul-09	1-300	No	INC	10	11:00	20:59	2,090	$ -	$ -	$ (218,786)	1,404	$ (63,862)	$ -	$ -	$ -	
159	RT	Ramp Rate	SCE	LA Basin	6-Jul-09	59-374	No	DEC	15	7:25	21:59	(1,940)	$ -	$ -	$ 47,127	-	$ -	$ -	$ -	$ -	
160	RT	Ramp Rate	SCE	LA Basin	6-Jul-09	47-218	No	INC	15	7:25	21:59	826	$ -	$ -	$ (26,501)	854	$ (27,133)	$ -	$ -	$ -	
161	RT	Ramp Rate	SCE	LA Basin	7-Jul-09	20	No	INC	24	0:00	23:59	590	$ 39,000	$ -	$ (11,386)	-	$ -	$ -	$ -	$ -	

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	CC8482	CC6488	CC6620
162	RT	Ramp Rate	SCE	LA Basin	8-Jul-09	94-179	No	DEC	15	7:05	21:59	(354)	$ -	$ -	$ 9,354	-	$ -	$ -	$ -	$ -	
163	RT	Ramp Rate	SCE	LA Basin	8-Jul-09	47-237	No	INC	15	7:05	21:59	2,281	$ 16,791	$ -	$ (68,163)	2,015	$ (61,501)	$ -	$ -	$ -	
164	RT	Ramp Rate	SCE	LA Basin	14-Jul-09	94-249	No	DEC	17	5:35	21:59	(67)	$ -	$ -	$ (2,195)	-	$ -	$ -	$ -	$ -	
165	RT	Ramp Rate	SCE	LA Basin	14-Jul-09	47	No	INC	17	5:35	21:59	158	$ -	$ -	$ (5,174)	137	$ (4,492)	$ -	$ -	$ -	
166	RT	Ramp Rate	SCE	LA Basin	21-Jul-09	179-245	No	DEC	7	14:00	20:59	(1,279)	$ -	$ -	$ 47,245	-	$ -	$ -	$ -	$ -	
167	RT	Ramp Rate	SCE	LA Basin	22-Jul-09	179-249	No	DEC	10	11:10	20:59	(692)	$ -	$ -	$ 25,852	-	$ -	$ -	$ -	$ -	
168	RT	Ramp Rate	SCE	LA Basin	31-Jul-09	93-356	No	DEC	14	6:30	19:59	(1,484)	$ -	$ -	$ 77,662	-	$ -	$ -	$ -	$ -	
169	RT	Ramp Rate	SCE	LA Basin	31-Jul-09	1-94	No	INC	14	6:30	19:59	208	$ -	$ -	$ (7,263)	210	$ (7,361)	$ -	$ -	$ -	
170	RT	Ramp Rate	SDGE	San Diego	13-Jul-09	58-376	YES	DEC	10	10:45	19:59	(501)	$ -	$ -	$ 18,418	-	$ -	$ -	$ -	$ -	
171	RT	Ramp Rate	SDGE	San Diego	13-Jul-09	43-131	YES	INC	10	10:45	19:59	604	$ 1,571	$ -	$ (33,164)	38	$ (2,467)	$ -	$ -	$ -	
172	RT	Ramp Rate	SDGE	San Diego	19-Jul-09	52-445	No	DEC	13	7:05	19:59	393	$ -	$ -	$ (15,411)	-	$ -	$ -	$ -	$ -	
173	RT	Ramp Rate	SDGE	San Diego	19-Jul-09	43-91	No	INC	13	7:05	19:59	414	$ -	$ -	$ (15,606)	328	$ (12,300)	$ -	$ -	$ -	
174	RT	Ramp Rate	SDGE	San Diego	21-Jul-09	47-137	No	DEC	4	18:20	21:59	(330)	$ -	$ -	$ 12,459	-	$ -	$ -	$ -	$ -	
175	RT	Ramp Rate	SDGE	San Diego	21-Jul-09	43	No	INC	4	18:20	21:59	82	$ -	$ -	$ (3,373)	82	$ (3,373)	$ -	$ -	$ -	
176	RT	Ramp Rate	SDGE	San Diego	22-Jul-09	80-262	No	DEC	16	6:50	21:59	(1,168)	$ -	$ -	$ 55,138	-	$ -	$ -	$ -	$ -	
177	RT	Ramp Rate	SDGE	San Diego	22-Jul-09	48	No	INC	16	6:50	21:59	148	$ -	$ -	$ (5,602)	121	$ (4,573)	$ -	$ -	$ -	
178	RT	Ramp Rate	SDGE	San Diego	25-Jul-09	77-174	No	DEC	4	18:25	21:59	(175)	$ -	$ -	$ 5,485	-	$ -	$ -	$ -	$ -	
179	RT	Ramp Rate	SDGE	San Diego	25-Jul-09	0-43	No	INC	4	18:25	21:59	40	$ -	$ -	$ (1,609)	41	$ (1,651)	$ -	$ -	$ -	
180	RT	Ramp Rate	SDGE	San Diego	29-Jul-09	20-362	No	DEC	15	7:25	21:59	(1,565)	$ -	$ -	$ 66,083	-	$ -	$ -	$ -	$ -	
181	RT	Ramp Rate	SDGE	San Diego	29-Jul-09	0-91	No	INC	15	7:25	21:59	529	$ -	$ -	$ (15,500)	391	$ (11,595)	$ -	$ -	$ (3,816)	
182	RT	Ramp Rate	SDGE	San Diego	31-Jul-09	46-163	No	DEC	16	6:30	21:59	(579)	$ -	$ -	$ 12,468	-	$ -	$ -	$ -	$ -	

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	CC8482	CC6488	CC6620
183	RT	Ramp Rate	SDGE	San Diego	31-Jul-09	1-44	No	INC	16	6:30	21:59	149	$ -	$ -	$ (5,694)	147	$ (5,656)	$ -	$ -	$ -	
184	RT	Ramp rate	SCE	LA Basin	14-Jul-09	72	No	INC	19	5:35	23:59	3,214	$ 34,169	$ 21,311	$ (336,981)	386	$ (12,948)	$ -	$ -	$ -	
185	RT	Region Reliability	PGAE	Bay Area	12-Jul-09	35	No	DEC	1	2:13	2:21	(18)	$ -	$ -	$ 401	-	$ -	$ -	$ -	$ -	
186	RT	Region Reliability	PGAE	Bay Area	12-Jul-09	207	No	INC	1	2:10	2:33	65	$ -	$ -	$ (1,435)	56	$ (1,254)	$ -	$ (54)	$ -	
187	RT	Region Reliability	PGAE	Bay Area	13-Jul-09	105-120	No	INC	6	0:00	5:59	697	$ -	$ -	$ (10,001)	689	$ (9,829)	$ -	$ -	$ (152,466)	
188	RT	Region Reliability	PGAE	Fresno	12-Jul-09	308	No	DEC	2	1:10	2:59	(552)	$ -	$ -	$ 14,755	-	$ -	$ -	$ -	$ -	
189	RT	Region Reliability	PGAE	Fresno	13-Jul-09	360	No	INC	8	0:00	7:59	2,947	$ 27,644	$ -	$ (45,860)	1,231	$ (16,826)	$ -	$ -	$ (14,294)	
190	RT	Region Reliability	PGAE	Fresno	19-Jul-09	470	No	INC	1	17:39	17:50	96	$ -	$ -	$ (4,493)	65	$ (3,074)	$ -	$ (162)	$ (76)	
191	RT	Region Reliability	SCE	Big Creek-Ventura	13-Jul-09	50	No	INC	3	19:00	21:14	111	$ 2,217	$ 1,561	$ (3,478)	65	$ (2,024)	$ -	$ (624)	$ -	
192	RT	Region Reliability	SCE	Big Creek-Ventura	19-Jul-09	20-430	No	INC	24	0:00	23:59	2,526	$ 46,380	$ 5,007	$ (151,939)	7	$ (381)	$ -	$ (12)	$ -	
193	RT	Region Reliability	SCE	N/A	7-Jul-09	66-71	No	DEC	2	15:20	16:11	(62)	$ -	$ -	$ 1,552	(56)	$ -	$ 1,396	$ -	$ (1)	
194	RT	Region Reliability	SCE	LA Basin	12-Jul-09	25	No	INC	1	15:10	15:14	1	$ -	$ -	$ (21)	-	$ -	$ -	$ -	$ -	
195	RT	SP26 Capacity	SCE	Big Creek-Ventura	12-Jul-09	51	No	INC	2	18:02	19:29	74	$ 1,623	$ -	$ (2,751)	38	$ (1,407)	$ -	$ (161)	$ -	
196	RT	SP26 Capacity	SCE	N/A	20-Jul-09	40-80	No	INC	12	12:00	23:59	740	$ 33,652	$ 1,840	$ (31,362)	-	$ -	$ -	$ -	$ -	
197	RT	SP26 Capacity	SCE	LA Basin	7-Jul-09	0-20	No	INC	24	0:00	23:59	632	$ 34,880	$ -	$ (15,640)	-	$ -	$ -	$ -	$ -	
198	RT	SP26 Capacity	SCE	LA Basin	8-Jul-09	20	No	INC	24	0:00	23:59	2,199	$ 39,000	$ -	$ (56,982)	1,481	$ (44,244)	$ -	$ -	$ -	
199	RT	SP26 Capacity	SCE	LA Basin	9-Jul-09	20	No	INC	24	0:00	23:59	634	$ 39,000	$ -	$ (15,529)	-	$ -	$ -	$ -	$ -	
200	RT	SP26 Capacity	SCE	LA Basin	14-Jul-09	25	No	INC	24	0:00	23:59	3,352	$ 44,328	$ 27,647	$ (338,702)	386	$ (12,948)	$ -	$ -	$ -	
201	RT	SP26 Capacity	SCE	LA Basin	21-Jul-09	130	No	INC	1	23:00	23:54	118	$ 5,869	$ -	$ (2,925)	-	$ -	$ -	$ -	$ -	
202	RT	SP26 Capacity	SCE	LA Basin	24-Jul-09	260	No	INC	24	0:00	23:59	7,190	$ 238,002	$ -	$ (215,227)	-	$ -	$ -	$ -	$ -	
203	RT	SP26 Capacity	SCE	LA Basin	25-Jul-09	70	No	INC	24	0:00	23:59	6,078	$ 101,784	$ -	$ (360,712)	-	$ -	$ -	$ -	$ -	

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	CC8482	CC6488	CC6620
204	RT	SP26 Capacity	SCE	LA Basin	26-Jul-09	70	YES	INC	22	0:00	21:59	1,310	$ 40,289	$ -	$ (35,010)	15	$ (404)	$ -	$ (84)	$ -	
205	RT	SP26 Capacity	SCE	LA Basin	27-Jul-09	260	No	INC	24	0:45	23:59	14,977	$ 277,154	$ -	$ (508,253)	-	$ -	$ -	$ -	$ -	
206	RT	SP26 Capacity	SCE	LA Basin	28-Jul-09	130	No	INC	24	0:00	23:59	6,027	$ 144,216	$ -	$ (199,543)	-	$ -	$ -	$ -	$ -	
207	RT	Software Limitation	N/A	NO LRA	19-Jul-09	445	No	INC	1	17:42	17:49	57	$ -	$ -	$ (2,619)	-	$ -	$ -	$ -	$ -	
208	RT	Software Limitation	PGAE	Bay Area	1-Jul-09	45	YES	INC	10	0:05	9:59	468	$ 4,672	$ 7,143	$ (76)	-	$ -	$ -	$ -	$ -	
209	RT	Software Limitation	PGAE	Bay Area	12-Jul-09	0	No	INC	2	22:55	23:24	2	$ -	$ 23	$ (36)	-	$ -	$ -	$ -	$ -	
210	RT	Software Limitation	PGAE	Bay Area	21-Jul-09	239-365	YES	DEC	7	13:40	19:59	(1,410)	$ -	$ -	$ 51,543	-	$ -	$ -	$ -	$ -	
211	RT	Software Limitation	PGAE	Bay Area	29-Jul-09	187	No	DEC	1	15:10	15:39	(93)	$ -	$ -	$ 3,410	-	$ -	$ -	$ -	$ -	
212	RT	Software Limitation	PGAE	N/A	6-Jul-09	19	No	DEC	1	11:20	11:59	(7)	$ -	$ -	$ 142	(4)	$ -	$ -	$ 76	$ -	
213	RT	Software Limitation	PGAE	N/A	24-Jul-09	141	No	INC	3	0:00	2:59	409	$ -	$ -	$ (8,052)	-	$ -	$ -	$ -	$ -	
214	RT	Software Limitation	PGAE	N/A	27-Jul-09	0	No	INC	1	2:00	2:59	(3)	$ -	$ -	$ 107	-	$ -	$ -	$ -	$ -	
215	RT	Software Limitation	PGAE	N/A	30-Jul-09	112-492	No	DEC	15	8:10	22:29	(3,044)	$ -	$ -	$ 98,802	-	$ -	$ -	$ -	$ -	
216	RT	Software Limitation	PGAE	N/A	30-Jul-09	25-50	No	INC	15	8:10	22:29	60	$ -	$ -	$ (2,107)	67	$ (2,307)	$ -	$ -	$ -	
217	RT	Software Limitation	PGAE	N/A	31-Jul-09	119-500	No	DEC	13	9:55	21:59	(2,865)	$ -	$ -	$ 86,491	-	$ -	$ -	$ -	$ -	
218	RT	Software Limitation	PGAE	Fresno	2-Jul-09	0	No	INC	1	6:10	6:29	-	$ -	$ -	$ -	-	$ -	$ -	$ -	$ -	

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	CC8482	CC6488	CC6620
219	RT	Software Limitation	PGAE	Fresno	6-Jul-09	0	No	INC	2	7:05	8:24	(6)	$ -	$ -	$ (219)	-	$ -	$ -	$ -	$ -	
220	RT	Software Limitation	PGAE	Fresno	8-Jul-09	308	No	DEC	2	6:07	7:46	(536)	$ -	$ -	$ 6,209	-	$ -	$ -	$ -	$ -	
221	RT	Software Limitation	PGAE	Fresno	12-Jul-09	550	No	INC	1	2:08	2:34	350	$ 3,194	$ -	$ (7,486)	65	$ (1,317)	$ -	$ (592)	$ -	
222	RT	Software Limitation	PGAE	Fresno	17-Jul-09	308	No	DEC	2	5:55	6:09	(35)	$ -	$ -	$ (1,214)	-	$ -	$ -	$ -	$ -	
223	RT	Software Limitation	PGAE	Fresno	17-Jul-09	0	No	INC	2	5:55	6:29	(16)	$ -	$ -	$ 200	-	$ -	$ -	$ -	$ -	
224	RT	Software Limitation	PGAE	Fresno	18-Jul-09	0	No	INC	2	5:50	6:09	-	$ -	$ -	$ -	-	$ -	$ -	$ -	$ -	
225	RT	Software Limitation	PGAE	Fresno	19-Jul-09	0-125	No	INC	12	6:10	17:50	6	$ -	$ -	$ (279)	6	$ (279)	$ -	$ -	$ -	
226	RT	Software Limitation	PGAE	Fresno	21-Jul-09	0-616	No	INC	21	1:00	21:34	1,222	$ 367	$ -	$ (27,865)	-	$ -	$ -	$ -	$ -	
227	RT	Software Limitation	PGAE	Fresno	23-Jul-09	117	No	DEC	1	13:00	13:59	(3)	$ -	$ -	$ 105	-	$ -	$ -	$ -	$ -	
228	RT	Software Limitation	PGAE	Fresno	24-Jul-09	308	No	DEC	8	0:48	7:19	(90)	$ -	$ -	$ 1,877	-	$ -	$ -	$ -	$ -	
229	RT	Software Limitation	PGAE	Fresno	24-Jul-09	0	No	INC	8	0:48	7:19	39	$ -	$ -	$ (488)	-	$ -	$ -	$ -	$ -	
230	RT	Software Limitation	PGAE	Fresno	29-Jul-09	303-305	YES	DEC	2	15:35	16:19	(16)	$ -	$ -	$ 502	-	$ -	$ -	$ -	$ -	
231	RT	Software Limitation	PGAE	Humboldt	18-Jul-09	0	No	INC	8	15:30	22:59	9	$ -	$ -	$ (4,043)	-	$ -	$ -	$ -	$ -	
232	RT	Software Limitation	PGAE	Sierra	19-Jul-09	10	No	INC	1	17:40	17:50	1	$ -	$ -	$ (62)	1	$ (62)	$ -	$ -	$ -	

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	CC8482	CC6488	CC6620
233	RT	Software Limitation	PGAE	Stockton	18-Jul-09	83-165	No	INC	4	15:00	18:59	385	$ 14,053	$ 745	$ (118,972)	34	$ (5,444)	$ -	$ -	$ -	$ -
234	RT	Software Limitation	PGAE	Stockton	19-Jul-09	120	YES	INC	3	15:40	17:34	182	$ 9,012	$ 487	$ (10,633)	-	$ -	$ -	$ -	$ -	$ -
235	RT	Software Limitation	SCE	Big Creek-Ventura	13-Jul-09	0	No	INC	1	21:25	21:29	2	$ 171	$ 142	$ (50)	-	$ -	$ -	$ -	$ -	$ -
236	RT	Software Limitation	SCE	Big Creek-Ventura	20-Jul-09	50	YES	INC	12	8:55	19:59	555	$ -	$ -	$ (24,139)	-	$ -	$ -	$ -	$ -	$ -
237	RT	Software Limitation	SCE	LA Basin	3-Jul-09	20	No	DEC	2	22:00	23:59	(39)	$ -	$ -	$ -	(39)	$ -	$ -	$ -	$ -	$ -
238	RT	Software Limitation	SCE	LA Basin	7-Jul-09	70	No	INC	22	2:00	23:59	2,477	$ 84,820	$ -	$ (55,097)	-	$ -	$ -	$ -	$ -	$ -
239	RT	Software Limitation	SCE	LA Basin	12-Jul-09	0-70	No	INC	14	10:00	23:14	68	$ 4,152	$ 26,481	$ (1,327)	-	$ -	$ -	$ -	$ -	$ -
240	RT	Software Limitation	SCE	LA Basin	19-Jul-09	65	YES	INC	7	13:20	19:59	587	$ 22,093	$ 2,005	$ (39,325)	-	$ -	$ -	$ -	$ -	$ -
241	RT	Software Limitation	SCE	LA Basin	20-Jul-09	1-29	YES	DEC	13	7:00	19:59	1	$ -	$ -	$ (49)	(0)	$ -	$ -	$ -	$ -	$ -
242	RT	Software Limitation	SCE	LA Basin	20-Jul-09	0	No	INC	2	0:40	1:09	0	$ -	$ -	$ (0)	-	$ -	$ -	$ -	$ -	$ -
243	RT	Software Limitation	SCE	LA Basin	23-Jul-09	130	YES	INC	17	7:25	23:59	414	$ 14,743	$ -	$ (10,174)	-	$ -	$ -	$ -	$ -	$ -
244	RT	Software Limitation	SCE	LA Basin	26-Jul-09	70-255	YES	INC	3	21:55	23:59	540	$ -	$ -	$ (11,897)	237	$ (4,868)	$ -	$ (2,513)	$ -	$ -
245	RT	Software Limitation	SCE	LA Basin	27-Jul-09	10	YES	INC	2	1:40	2:39	-	$ -	$ -	$ -	-	$ -	$ -	$ -	$ -	$ -
246	RT	Software Limitation	SCE	LA Basin	29-Jul-09	20	No	INC	2	22:00	23:59	39	$ 3,213	$ -	$ (1,101)	-	$ -	$ -	$ -	$ -	$ -

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	CC8482	CC6488	CC6620
247	RT	Software Limitation	SCE	LA Basin	30-Jul-09	39-357	No	DEC	13	10:10	22:29	(3,478)	$ -	$ -	$ 113,576	-	$ -	$ -	$ -	$ -	
248	RT	Software Limitation	SCE	LA Basin	30-Jul-09	0-93	No	INC	18	6:00	23:59	216	$ 6,937	$ 21,915	$ (4,832)	35	$ (1,278)	$ -	$ -	$ -	
249	RT	Software Limitation	SDGE	N/A	17-Jul-09	44-49	YES	DEC	2	11:20	12:04	(32)	$ -	$ -	$ 1,106	-	$ -	$ -	$ -	$ -	
250	RT	Software Limitation	SDGE	N/A	29-Jul-09	0	No	INC	7	0:00	6:34	-	$ -	$ -	$ -	-	$ -	$ -	$ -	$ -	
251	RT	Software Limitation	SDGE	San Diego	3-Jul-09	0	No	INC	2	6:15	7:39	3	$ 278	$ -	$ 96	-	$ -	$ -	$ -	$ -	
252	RT	Software Limitation	SDGE	San Diego	10-Jul-09	0	No	INC	2	21:35	22:59	3	$ 511	$ 45	$ (84)	-	$ -	$ -	$ -	$ -	
253	RT	Software Limitation	SDGE	San Diego	13-Jul-09	40	YES	INC	2	5:25	6:14	32	$ 1,317	$ 190	$ (478)	-	$ -	$ -	$ -	$ -	
254	RT	Software Limitation	SDGE	San Diego	24-Jul-09	0	No	INC	2	20:35	21:59	3	$ 283	$ -	$ (109)	-	$ -	$ -	$ -	$ -	
255	RT	Software Limitation	SDGE	San Diego	30-Jul-09	0	No	INC	1	23:20	23:49	-	$ 311	$ 17	$ -	-	$ -	$ -	$ -	$ -	
256	RT	Software limitation	SCE	LA Basin	28-Jul-09	280-315	No	DEC	3	15:20	17:09	(1)	$ -	$ -	$ 27	-	$ -	$ -	$ -	$ -	
257	RT	Software limitation	SCE	LA Basin	28-Jul-09	20	No	INC	1	23:00	23:59	19	$ 1,607	$ -	$ (602)	-	$ -	$ -	$ -	$ -	
258	RT	System Energy	Inter-tie	NO LRA	15-Jul-09	200	No	INC	1	6:00	6:59	(200)	$ -	$ -	$ (500)	(200)	$ -	$ (500)	$ -	$ -	
259	RT	System Energy	Inter-tie	NO LRA	18-Jul-09	50-313	No	DEC	11	8:00	18:59	(162)	$ -	$ -	$ 1,664	(162)	$ (2,127)	$ 3,791	$ (873)	$ -	
260	RT	System Energy	Inter-tie	NO LRA	18-Jul-09	60	No	INC	1	12:00	12:59	-	$ -	$ -	$ -	-	$ -	$ -	$ -	$ -	
261	RT	System Energy	Inter-tie	NO LRA	23-Jul-09	215	No	INC	1	6:00	6:59	(15)	$ -	$ -	$ 215	(15)	$ -	$ 215	$ -	$ -	
262	RT	System Energy	Inter-tie	NO LRA	24-Jul-09	166	No	DEC	1	5:00	5:59	(150)	$ -	$ -	$ 2,789	(150)	$ -	$ 2,789	$ -	$ -	
263	RT	T-129	PGAE	Fresno	1-Jul-09	70	No	INC	1	23:00	23:59	70	$ -	$ -	$ (2,180)	-	$ -	$ -	$ -	$ -	

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	CC8482	CC6488	CC6620
264	RT	T-129	PGAE	Fresno	2-Jul-09	70	No	INC	2	0:00	1:59	85	$ -	$ -	$ (2,353)	-	$ -	$ -	$ -	$ -	
265	RT	T-129	PGAE	Fresno	4-Jul-09	18-40	No	DEC	2	19:20	20:59	(43)	$ -	$ -	$ 951	-	$ -	$ -	$ -	$ -	
266	RT	T-129	PGAE	Fresno	5-Jul-09	0	No	INC	8	2:20	9:59	-	$ -	$ -	$ -	-	$ -	$ -	$ -	$ -	
267	RT	T-129	PGAE	Fresno	14-Jul-09	0-218	No	INC	21	2:35	22:14	704	$ -	$ -	$ (26,910)	332	$ (13,458)	$ -	$ -	$ -	
268	RT	T-129	PGAE	Fresno	15-Jul-09	83-317	YES	INC	7	16:30	22:04	1,071	$ -	$ -	$ (37,881)	521	$ (18,651)	$ -	$ -	$ (4,450)	
269	RT	T-129	PGAE	Fresno	16-Jul-09	24-305	No	INC	24	0:05	23:59	529	$ 2,361	$ 1,067	$ (18,041)	265	$ (9,222)	$ -	$ -	$ (1,427)	
270	RT	T-129	PGAE	Fresno	17-Jul-09	25	No	DEC	3	18:15	20:14	2	$ -	$ -	$ (62)	-	$ -	$ -	$ -	$ -	
271	RT	T-129	PGAE	Fresno	17-Jul-09	0-308	No	INC	23	0:00	22:49	1,731	$ -	$ -	$ (62,948)	401	$ (15,537)	$ -	$ -	$ (1,619)	
272	RT	T-129	PGAE	Fresno	18-Jul-09	67-242	No	INC	10	13:00	22:59	1,166	$ 10,769	$ -	$ (137,110)	270	$ (10,712)	$ -	$ -	$ (3,624)	
273	RT	T-129	PGAE	Fresno	19-Jul-09	5	No	DEC	2	19:35	20:59	3	$ -	$ -	$ (149)	-	$ -	$ -	$ -	$ -	
274	RT	T-129	PGAE	Fresno	19-Jul-09	46-278	YES	INC	13	11:40	23:39	1,681	$ 596	$ 861	$ (77,164)	621	$ (25,145)	$ -	$ -	$ (3,970)	
275	RT	T-129	PGAE	Fresno	20-Jul-09	83	No	INC	2	21:15	22:14	131	$ -	$ -	$ (4,834)	14	$ (538)	$ -	$ -	$ -	
276	RT	T-129	PGAE	Fresno	21-Jul-09	83-150	No	INC	4	19:35	22:44	235	$ -	$ -	$ (8,341)	-	$ -	$ -	$ -	$ -	
277	RT	T-129	PGAE	Fresno	22-Jul-09	0-308	No	INC	22	1:30	22:04	1,252	$ -	$ -	$ 6,184	24	$ (895)	$ -	$ -	$ (158)	
278	RT	T-129	PGAE	Fresno	23-Jul-09	0-308	No	INC	24	0:21	23:59	829	$ -	$ -	$ (9,549)	111	$ (3,667)	$ -	$ -	$ (588)	
279	RT	T-129	PGAE	Fresno	24-Jul-09	0-308	No	INC	8	0:00	7:59	549	$ -	$ -	$ (11,317)	-	$ -	$ -	$ -	$ -	
280	RT	T-129	PGAE	Fresno	25-Jul-09	0	No	INC	1	2:00	2:29	-	$ -	$ -	$ -	-	$ -	$ -	$ -	$ -	
281	RT	T-129	PGAE	Fresno	27-Jul-09	0-308	No	INC	22	0:15	21:44	470	$ -	$ -	$ (9,331)	44	$ (1,780)	$ -	$ -	$ (286)	
282	RT	T-129	PGAE	Fresno	28-Jul-09	117	No	DEC	3	18:00	20:59	23	$ -	$ -	$ (958)	-	$ -	$ -	$ -	$ -	
283	RT	T-129	PGAE	Fresno	28-Jul-09	0-308	No	INC	22	0:30	21:34	1,729	$ -	$ -	$ (35,066)	292	$ (10,754)	$ -	$ -	$ (1,557)	
284	RT	T-129	PGAE	Fresno	29-Jul-09	0-308	No	DEC	18	5:57	22:59	(99)	$ -	$ -	$ 1,279	-	$ -	$ -	$ -	$ -	

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	CC8482	CC6488	CC6620
285	RT	T-129	PGAE	Fresno	29-Jul-09	0-175	No	INC	24	0:12	23:34	247	$ 3,251	$ -	$ (9,515)	117	$ (3,668)	$ -	$ -	$ (1,618)	
286	RT	T-129	PGAE	Fresno	30-Jul-09	114	No	DEC	1	23:30	23:58	(52)	$ -	$ -	$ 944	-	$ -	$ -	$ -	$ -	
287	RT	T-129	PGAE	Fresno	30-Jul-09	38-83	No	INC	22	0:00	21:59	134	$ -	$ -	$ (3,961)	21	$ (581)	$ -	$ -	$ (11)	
288	RT	T-129	PGAE	NCNB	17-Jul-09	10-11	No	DEC	3	18:50	20:59	(13)	$ -	$ -	$ 487	(13)	$ -	$ 486	$ -	$ (464)	
289	RT	T-132	SDGE	N/A	16-Jul-09	58-133	No	DEC	4	14:15	17:59	(474)	$ -	$ -	$ 18,901	(453)	$ -	$ 18,140	$ -	$ (7,000)	
290	RT	T-132	SDGE	N/A	18-Jul-09	108	No	DEC	7	14:00	20:59	(1,127)	$ -	$ -	$ 109,963	(631)	$ -	$ 12,512	$ -	$ -	
291	RT	T-132	SDGE	N/A	19-Jul-09	50-263	No	DEC	7	11:45	17:29	(1,051)	$ -	$ -	$ 24,087	(1,029)	$ -	$ 23,090	$ -	$ -	
292	RT	T-138	PGAE	Humboldt	1-Jul-09	0-25	YES	INC	24	0:00	23:42	178	$ 24,470	$ 171	$ (3,305)	104	$ (1,108)	$ -	$ -	$ (8,896)	
293	RT	T-138	PGAE	Humboldt	2-Jul-09	5-15	YES	INC	24	0:00	23:42	62	$ 6,613	$ 59	$ (2,045)	39	$ (1,253)	$ -	$ -	$ (3,438)	
294	RT	T-138	PGAE	Humboldt	3-Jul-09	10-15	YES	INC	24	0:00	23:13	65	$ -	$ -	$ (1,994)	42	$ (1,281)	$ -	$ -	$ (4,246)	
295	RT	T-138	PGAE	Humboldt	4-Jul-09	5	No	DEC	1	23:55	23:59	0	$ -	$ -	$ (9)	-	$ -	$ -	$ -	$ -	
296	RT	T-138	PGAE	Humboldt	4-Jul-09	0-5	YES	INC	24	0:13	23:54	24	$ 5,291	$ 59	$ (623)	9	$ (248)	$ -	$ -	$ (120)	
297	RT	T-138	PGAE	Humboldt	5-Jul-09	0-15	YES	INC	24	0:00	23:59	51	$ 9,259	$ 56	$ (1,246)	25	$ (610)	$ -	$ -	$ (2,814)	
298	RT	T-138	PGAE	Humboldt	6-Jul-09	0-15	YES	INC	24	0:00	23:59	57	$ -	$ -	$ (965)	12	$ (264)	$ -	$ -	$ (1,621)	
299	RT	T-138	PGAE	Humboldt	7-Jul-09	10-20	No	DEC	6	1:15	6:59	-	$ -	$ -	$ 9	-	$ -	$ -	$ -	$ -	
300	RT	T-138	PGAE	Humboldt	7-Jul-09	0-20	YES	INC	24	0:00	23:54	65	$ 12,565	$ 123	$ (1,452)	4	$ 8	$ -	$ -	$ (250)	
301	RT	T-138	PGAE	Humboldt	8-Jul-09	0-15	YES	INC	18	6:55	23:59	80	$ 6,944	$ 69	$ (997)	31	$ (436)	$ -	$ -	$ (4,464)	
302	RT	T-138	PGAE	Humboldt	9-Jul-09	10-25	No	DEC	6	15:55	20:19	-	$ -	$ -	$ (1)	-	$ -	$ -	$ -	$ -	
303	RT	T-138	PGAE	Humboldt	9-Jul-09	0-15	YES	INC	24	0:00	23:59	62	$ 6,613	$ 59	$ (1,392)	25	$ (562)	$ -	$ -	$ (3,178)	
304	RT	T-138	PGAE	Humboldt	10-Jul-09	0-25	No	INC	24	0:00	23:49	102	$ 18,187	$ 106	$ (7,563)	43	$ (5,005)	$ -	$ -	$ (664)	
305	RT	T-138	PGAE	Humboldt	11-Jul-09	5-20	No	INC	24	0:00	23:29	79	$ 10,912	$ 66	$ (6,647)	41	$ (5,289)	$ -	$ -	$ (114)	

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	CC8482	CC6488	CC6620
306	RT	T-138	PGAE	Humboldt	12-Jul-09	15	No	DEC	17	6:21	22:59	(5)	$ -	$ -	$ (161)	-	$ -	$ -	$ -	$ -	
307	RT	T-138	PGAE	Humboldt	12-Jul-09	5-15	YES	INC	24	0:00	23:59	80	$ 10,251	$ 181	$ (2,407)	49	$ (1,476)	$ -	$ -	$ (4,489)	
308	RT	T-138	PGAE	Humboldt	13-Jul-09	5-10	No	DEC	8	15:15	22:59	0	$ -	$ -	$ (11)	-	$ -	$ -	$ -	$ -	
309	RT	T-138	PGAE	Humboldt	13-Jul-09	0-25	YES	INC	24	0:00	23:59	131	$ 16,534	$ 111	$ (4,063)	83	$ (2,649)	$ -	$ -	$ (8,059)	
310	RT	T-138	PGAE	Humboldt	14-Jul-09	0-30	YES	INC	24	0:00	23:59	153	$ 20,502	$ 190	$ (13,396)	85	$ (6,838)	$ -	$ -	$ (5,873)	
311	RT	T-138	PGAE	Humboldt	15-Jul-09	5	No	DEC	1	2:25	2:49	-	$ -	$ -	$ -	-	$ -	$ -	$ -	$ -	
312	RT	T-138	PGAE	Humboldt	15-Jul-09	0-20	No	INC	24	0:50	23:59	216	$ 4,696	$ -	$ (6,547)	69	$ (2,051)	$ -	$ -	$ (870)	
313	RT	T-138	PGAE	Humboldt	16-Jul-09	5	No	DEC	1	23:15	23:49	0	$ -	$ -	$ (19)	-	$ -	$ -	$ -	$ -	
314	RT	T-138	PGAE	Humboldt	16-Jul-09	5-10	No	INC	17	7:52	23:14	36	$ -	$ -	$ (1,277)	34	$ (1,208)	$ -	$ -	$ (282)	
315	RT	T-138	PGAE	Humboldt	17-Jul-09	10-15	No	INC	3	20:58	22:59	30	$ -	$ -	$ (926)	29	$ (889)	$ -	$ -	$ (340)	
316	RT	T-138	PGAE	Humboldt	21-Jul-09	10	No	INC	2	21:00	22:09	12	$ -	$ -	$ (368)	12	$ (368)	$ -	$ -	$ (178)	
317	RT	T-138	PGAE	Humboldt	22-Jul-09	10	No	INC	2	21:12	22:14	11	$ -	$ -	$ (346)	11	$ (343)	$ -	$ -	$ (143)	
318	RT	T-138	PGAE	Humboldt	26-Jul-09	5-15	No	INC	5	17:44	21:59	57	$ 7,936	$ 62	$ (2,047)	34	$ (1,203)	$ -	$ -	$ (4,067)	
319	RT	T-138	PGAE	Humboldt	27-Jul-09	5	YES	DEC	2	19:40	20:34	(2)	$ -	$ -	$ 89	-	$ -	$ -	$ -	$ -	
320	RT	T-138	PGAE	Humboldt	27-Jul-09	0-10	YES	INC	21	3:40	23:59	55	$ 12,235	$ 58	$ (1,590)	24	$ (619)	$ -	$ -	$ (2,878)	
321	RT	T-138	PGAE	Humboldt	28-Jul-09	0-20	YES	INC	18	6:15	23:57	157	$ 20,832	$ 120	$ (5,293)	97	$ (3,310)	$ -	$ -	$ (10,410)	
322	RT	T-138	PGAE	Humboldt	29-Jul-09	5-15	YES	INC	24	0:00	23:54	94	$ 8,597	$ 41	$ (2,922)	43	$ (1,390)	$ -	$ -	$ (2,864)	
323	RT	T-138	PGAE	Humboldt	30-Jul-09	15	No	INC	3	21:05	23:49	42	$ -	$ -	$ (1,170)	27	$ (766)	$ -	$ -	$ -	
324	RT	T-138	PGAE	Humboldt	31-Jul-09	1	YES	DEC	4	7:00	10:59	(1)	$ -	$ -	$ 25	-	$ -	$ -	$ -	$ -	
325	RT	T-138	PGAE	Humboldt	31-Jul-09	0-15	YES	INC	17	7:00	23:59	32	$ 3,307	$ -	$ (873)	19	$ (502)	$ -	$ -	$ (2,121)	
326	RT	T-165	PGAE	Sierra	18-Jul-09	24-106	No	DEC	6	15:19	20:59	(369)	$ -	$ -	$ 49,068	(368)	$ -	$ 48,899	$ -	$ (47,574)	

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	CC8482	CC6488	CC6620
327	RT	T-165	PGAE	Sierra	18-Jul-09	0	No	INC	3	15:19	17:09	(0)	$ -	$ -	$ 55	-	$ -	$ -	$ -	$ -	
328	RT	T-165	PGAE	Sierra	19-Jul-09	58-98	No	DEC	7	14:18	20:59	(628)	$ -	$ -	$ 25,957	(614)	$ -	$ 25,165	$ -	$ (24,901)	
329	RT	T-165	PGAE	Sierra	19-Jul-09	0	No	INC	2	14:18	15:04	(1)	$ -	$ -	$ 45	-	$ -	$ -	$ -	$ -	
330	RT	T-167	PGAE	Stockton	15-Jul-09	0-120	No	INC	4	15:46	18:54	11	$ -	$ -	$ (387)	-	$ -	$ -	$ -	$ -	
331	RT	T-170	SCE	LA Basin	18-Jul-09	84-126	No	INC	9	13:00	21:59	939	$ 36,257	$ 1,336	$ (147,329)	77	$ (3,776)	$ -	$ -	$ (749)	
332	RT	T-170	SCE	LA Basin	19-Jul-09	42-126	YES	INC	10	12:55	21:59	968	$ 17,964	$ -	$ (56,478)	61	$ (3,339)	$ -	$ -	$ -	
333	RT	T-170	SCE	LA Basin	23-Jul-09	39-119	No	INC	7	13:35	19:59	528	$ 15,649	$ 1,385	$ (19,787)	59	$ (2,217)	$ -	$ -	$ (1,051)	
334	RT	T-170	SCE	LA Basin	25-Jul-09	40-80	YES	INC	5	14:37	18:59	263	$ 9,294	$ 1,411	$ (32,440)	22	$ (1,178)	$ -	$ -	$ (401)	
335	RT	T-170	SCE	LA Basin	26-Jul-09	0-39	No	INC	5	13:25	17:59	126	$ 4,415	$ 838	$ (5,149)	10	$ (398)	$ -	$ -	$ (197)	
336	RT	Transmission Outage (Other)	PGAE	Bay Area	20-Jul-09	155	No	INC	2	6:30	7:19	122	$ -	$ -	$ (2,407)	122	$ (2,407)	$ -	$ -	$ (2,220)	
337	RT	Transmission Outage (Other)	PGAE	Fresno	20-Jul-09	10	No	INC	6	8:30	13:54	(14)	$ -	$ -	$ (2,018)	3	$ (256)	$ -	$ -	$ (11)	
338	RT	Transmission Outage PGAE	PGAE	Bay Area	11-Jul-09	24	No	DEC	2	22:40	23:59	19	$ -	$ -	$ (419)	-	$ -	$ -	$ -	$ -	
339	RT	Transmission Outage PGAE	PGAE	Bay Area	11-Jul-09	90	No	INC	2	22:40	23:59	90	$ -	$ -	$ (2,242)	84	$ (2,089)	$ -	$ (7,946)	$ -	
340	RT	Transmission Outage PGAE	PGAE	Bay Area	12-Jul-09	138	No	DEC	1	21:50	21:54	5	$ -	$ -	$ (119)	-	$ -	$ -	$ -	$ -	
341	RT	Transmission Outage PGAE	PGAE	Bay Area	12-Jul-09	67-90	No	INC	24	0:00	23:59	158	$ -	$ -	$ (3,376)	152	$ (3,246)	$ -	$ -	$ (16,236)	

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	CC8482	CC6488	CC6620
342	RT	Transmission Outage PGAE	PGAE	Bay Area	22-Jul-09	50	No	INC	1	12:10	12:34	61	$ -	$ -	$ (2,149)	-	$ -	$ -	$ -	$ -	
343	RT	Transmission Outage PGAE	PGAE	Bay Area	28-Jul-09	30-55	No	DEC	2	6:50	7:59	(45)	$ -	$ -	$ 1,067	(39)	$ -	$ 949	$ -	$ (174)	
344	RT	Transmission Outage PGAE	PGAE	Fresno	11-Jul-09	360	No	INC	1	23:05	23:59	342	$ -	$ -	$ (9,862)	73	$ (3,227)	$ -	$ -	$ -	
345	RT	Transmission Outage PGAE	PGAE	Fresno	12-Jul-09	78-130	No	DEC	3	21:35	23:59	37	$ -	$ -	$ (991)	-	$ -	$ -	$ -	$ -	
346	RT	Transmission Outage PGAE	PGAE	Fresno	12-Jul-09	360	No	INC	24	0:00	23:59	4,305	$ 38,325	$ -	$ (93,538)	1,350	$ (36,180)	$ -	$ (592)	$ (2,253)	
347	RT	Transmission Outage PGAE	PGAE	Fresno	20-Jul-09	40	No	DEC	1	9:00	9:34	(10)	$ -	$ -	$ 369	-	$ -	$ -	$ -	$ -	
348	RT	Transmission Outage PGAE	PGAE	NCNB	18-Jul-09	27-28	No	DEC	4	17:00	20:59	(78)	$ -	$ -	$ 2	(78)	$ -	$ -	$ -	$ -	
349	RT	Transmission Outage PGAE	PGAE	NCNB	19-Jul-09	20-85	No	DEC	8	14:50	21:59	(378)	$ -	$ -	$ 12,858	(375)	$ -	$ 12,747	$ -	$ (6,183)	
350	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	8-Jul-09	20-51	No	INC	20	4:00	23:59	1,578	$ 37,517	$ 11,581	$ (31,776)	882	$ (18,841)	$ -	$ -	$ (21,577)	
351	RT	Transmission Outage SDGE	SCE	LA Basin	28-Jul-09	130	No	INC	12	12:00	23:59	4,040	$ 70,428	$ -	$ (148,678)	-	$ -	$ -	$ -	$ -	

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	CC8482	CC6488	CC6620
352	RT	Transmission Outage SDGE	SDGE	N/A	28-Jul-09	470	No	DEC	2	22:35	23:59	(145)	$ -	$ -	$ 4,325	(143)	$ -	$ 4,274	$ -	$ (2,046)	
353	RT	Transmission Outage SDGE	SDGE	N/A	28-Jul-09	0	No	INC	2	22:35	23:59	(20)	$ -	$ -	$ 727	-	$ -	$ -	$ -	$ -	
354	RT	Transmission Outage SDGE	SDGE	San Diego	22-Jul-09	77-227	No	DEC	16	6:45	21:59	(1,569)	$ -	$ -	$ 145,842	-	$ -	$ -	$ -	$ -	
355	RT	Transmission Outage SDGE	SDGE	San Diego	22-Jul-09	43	No	INC	16	6:45	21:59	219	$ -	$ -	$ (8,983)	205	$ (8,380)	$ -	$ -	$ -	
356	RT	Transmission Outage SDGE	SDGE	San Diego	28-Jul-09	80-430	No	DEC	12	6:30	17:37	(921)	$ -	$ -	$ 37,260	-	$ -	$ -	$ -	$ -	
357	RT	Transmission Outage SDGE	SDGE	San Diego	28-Jul-09	43-91	No	INC	18	6:30	23:59	420	$ -	$ -	$ (15,170)	391	$ (12,396)	$ -	$ -	$ (3,735)	
358	RT	Transmission Outage SDGE	SDGE	San Diego	29-Jul-09	91	No	INC	5	0:00	4:59	463	$ -	$ -	$ (12,159)	431	$ (10,942)	$ -	$ -	$ (5,905)	
359	RT	Unit Testing	N/A	NO LRA	14-Jul-09	47	No	INC	1	14:05	14:14	11	$ -	$ -	$ (287)	8	$ (145)	$ -	$ -	$ -	
360	RT	Unit Testing	PGAE	Sierra	14-Jul-09	5	No	DEC	2	10:55	11:14	(2)	$ -	$ -	$ 4	(2)	$ -	$ -	$ -	$ -	
361	RT	Unit Testing	PGAE	Sierra	14-Jul-09	82	No	INC	1	10:41	10:49	-	$ -	$ -	$ -	-	$ -	$ -	$ -	$ -	

Appendix A: Explanation by Example

All examples listed below are based on fictitious data. Many simplified assumptions are made to explain settlement charge codes, and not all assumptions are explicitly stated in these examples. For instance settlement charge codes are calculated based on metered quantities, whereas, in these examples the dispatch quantities are assumed to be equal to metered quantities. These assumptions have been made to simply the understanding of settlements calculations.

Example 1: Exceptional Dispatch Instructions Prior to DAM

In this fictitious example the ISO issued an exceptional dispatch instruction for resource A to be committed at its Pmin of 50 MW from hours ending 5 through 10 for a generation procedure G-206. Similarly, the ISO issued additional instructions to resources B and C for the same reason as shown in Table 2. Generally exceptional dispatches prior to the day-ahead market are commitments to minimum load. In this case the dispatch levels are all at minimum load. Table 2 below also shows the commitment costs and the total volume (MWh) of exceptional dispatch instruction for each resource. The minimum load costs and start up costs shown in Table 2 are the eligible minimum load and start up costs which are different from the bid-in minimum load and start up costs[13]. 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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[13] 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	CC8482	CC6488
1-Jul-09	RT	A	PGAE	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	PGAE	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	PGAE	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	PGAE	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	CC8482	CC6488
1	RT	T-138	PGAE	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	CC8482	CC6488
1-Jul-09	RT	A	PGAE	Fresno	15:00	20:00	20	0	Yes	INC	20	t-129	120	$ 120	$ 100	$ -	0	$ -	$ -	$ -	$ -
1-Jul-09	RT	B	PGAE	Fresno	7:00	9:00	40	60	No	DEC	20	t-129	(60)	$ -	$ -	$ 600	-60	$ -	$ 600	$ -	$2,400
1-Jul-09	RT	C	PGAE	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	CC8482	CC6488
1	RT	T-129	PGAE	Fresno	1-Jul-09	20	Yes	INC	6	15:00	20:00	120	$ 120	$ 100	$ -	0	$ -	$ -	$ -	$ -
2	RT	T-129	PGAE	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 node 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 nodes from each of the Pacific Gas and Electric (PGAE) LAP and Southern California Edison (SCE) LAP. These two pricing nodes had the maximum amount of exceptional dispatch incremental volume (MWh) in their respective LAP. Point A is in PGAE LAP and point B is in SCE LAP. Please note these two points correspond to an actual pricing node in the ISO system. Only one resource was connected to each of these pricing nodes. For each resource the following input parameters were obtained to perform the analysis:

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

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

An exceptional dispatch instruction can be generally classified as a start up instruction, an instruction to be dispatched at or above the constrained level, an instruction to be dispatched at or below a constrained level, an instruction to be dispatched at a fixed constrained level, or a shut down instruction. In general, the Locational Marginal Price (LMP) is set by a resource which can provide the next incremental MW of energy. Based on this definition of LMP and the classification of exceptional dispatches based on constraint type, a resource is allowed to set the LMP in only those intervals in which the resource is eligible to move either up or down from its constrained level. Hence, in those intervals in which the resource was constrained up at its Pmax or, in other words, the resource was exceptionally dispatched to its Pmax and forced to generate at that level, the resource was considered ineligible to set the price as it had no room to move up. Similarly, if 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 PGAE 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 July, this resource was issued exceptional dispatch instructions in 628 five-minute intervals. Of the 628 intervals, this resource was eligible to set the LMP in 477 intervals. The resource calculated LMP was less than the market LMP in 69 out of the 477 intervals, and in the rest of the 408 intervals, the average increase in five minute LMP was $15.41/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 $15.41/MWh. Note that 477 five minute intervals in July are approximately 5 percent of the total 8924 five minute.

Table 9 shows the price impact analysis information for node B, which is located in the SCE LAP. 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 470 five minute intervals. Of the 470 intervals, this resource was eligible to set the LMP in all 470 intervals. The resource calculated LMP was less than the market LMP in 77 out of the 470 intervals, and in the rest of the 393 intervals the average increase in five minute LMP was $13.22/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 $13.22/MWh. The 470 intervals in the month of July are approximately 5 percent of the total 8924 five minute intervals.

Table 8: Price Impact analysis information for pricing node A in PGAE LAP

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1	8-Jul-09	7	2	$ (32.54)	No	$ 48.67	$ 81.21
2	8-Jul-09	7	3	$ (32.54)	No	$ 48.67	$ 81.21
3	8-Jul-09	7	4	$ (32.38)	No	$ 48.67	$ 81.05
4	8-Jul-09	7	5	$ 1.09	No	$ 48.67	$ 47.58
5	8-Jul-09	7	6	$ 23.74	No	$ 48.67	$ 24.93
6	8-Jul-09	7	7	$ 24.13	No	$ 48.67	$ 24.54
7	8-Jul-09	7	8	$ 24.68	No	$ 48.67	$ 23.99
8	8-Jul-09	7	9	$ 25.33	No	$ 48.67	$ 23.34
9	8-Jul-09	7	10	$ 26.14	No	$ 48.67	$ 22.53
10	8-Jul-09	7	11	$ 26.18	No	$ 48.67	$ 22.49
11	8-Jul-09	7	12	$ 26.40	No	$ 48.67	$ 22.27
12	8-Jul-09	8	1	$ 1.11	No	$ 48.67	$ 47.56
13	8-Jul-09	8	2	$ 1.18	No	$ 48.67	$ 47.49
14	8-Jul-09	8	3	$ 1.18	No	$ 48.67	$ 47.49
15	8-Jul-09	8	4	$ 22.37	No	$ 48.67	$ 26.30
16	8-Jul-09	8	5	$ 22.37	No	$ 48.67	$ 26.30
17	8-Jul-09	8	6	$ 22.37	No	$ 48.67	$ 26.30
18	8-Jul-09	8	7	$ 23.39	No	$ 48.67	$ 25.28
19	8-Jul-09	8	8	$ 24.45	No	$ 48.67	$ 24.22
20	8-Jul-09	8	9	$ 24.14	No	$ 48.67	$ 24.53
21	12-Jul-09	2	3	$ 34.03	No	$ 44.66	$ 10.63
22	12-Jul-09	2	4	$ 30.86	No	$ 44.66	$ 13.80
23	12-Jul-09	2	5	$ 42.94	No	$ 44.66	$ 1.72
24	12-Jul-09	2	6	$ 33.15	No	$ 44.66	$ 11.51
25	12-Jul-09	2	7	$ 32.67	No	$ 44.66	$ 11.99
26	12-Jul-09	2	8	$ 32.58	No	$ 44.66	$ 12.08
27	12-Jul-09	2	9	$ 32.58	No	$ 44.66	$ 12.08
28	12-Jul-09	2	10	$ 31.17	No	$ 44.66	$ 13.49
29	12-Jul-09	2	11	$ 32.98	No	$ 44.66	$ 11.68

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
30	12-Jul-09	2	12	$ 30.80	No	$ 44.66	$ 13.86
31	12-Jul-09	3	1	$ 23.63	No	$ 44.66	$ 21.03
32	12-Jul-09	3	2	$ 23.63	No	$ 44.66	$ 21.03
33	12-Jul-09	3	3	$ 23.63	No	$ 44.66	$ 21.03
34	12-Jul-09	3	4	$ 23.56	No	$ 44.66	$ 21.10
35	12-Jul-09	3	5	$ 23.23	No	$ 44.66	$ 21.43
36	12-Jul-09	3	6	$ 23.70	No	$ 44.66	$ 20.96
37	12-Jul-09	3	7	$ 19.07	No	$ 44.66	$ 25.59
38	12-Jul-09	3	8	$ 19.60	No	$ 44.66	$ 25.06
39	12-Jul-09	3	9	$ 1.08	No	$ 44.66	$ 43.58
40	12-Jul-09	3	10	$ 25.25	No	$ 44.66	$ 19.41
41	12-Jul-09	3	11	$ 24.16	No	$ 44.66	$ 20.50
42	12-Jul-09	3	12	$ 21.75	No	$ 44.66	$ 22.91
43	14-Jul-09	19	12	$ 33.92	Yes	$ 55.68	$ 21.76
44	14-Jul-09	20	1	$ 38.05	Yes	$ 55.68	$ 17.63
45	14-Jul-09	20	2	$ 37.95	Yes	$ 55.68	$ 17.73
46	14-Jul-09	20	3	$ 37.95	Yes	$ 55.68	$ 17.73
47	14-Jul-09	20	4	$ 37.04	Yes	$ 55.68	$ 18.64
48	14-Jul-09	20	5	$ 37.04	Yes	$ 55.68	$ 18.64
49	14-Jul-09	20	6	$ 36.17	Yes	$ 55.68	$ 19.51
50	15-Jul-09	17	7	$ 37.17	Yes	$ 55.68	$ 18.51
51	15-Jul-09	17	8	$ 37.77	Yes	$ 55.68	$ 17.91
52	15-Jul-09	17	9	$ 37.77	Yes	$ 55.68	$ 17.91
53	15-Jul-09	17	10	$ 37.56	Yes	$ 55.68	$ 18.12
54	15-Jul-09	17	11	$ 37.35	Yes	$ 55.68	$ 18.33
55	15-Jul-09	17	12	$ 37.85	Yes	$ 55.68	$ 17.83
56	15-Jul-09	18	1	$ 36.52	Yes	$ 55.68	$ 19.16
57	15-Jul-09	18	2	$ 37.02	Yes	$ 55.68	$ 18.66
58	15-Jul-09	18	3	$ 36.77	Yes	$ 55.68	$ 18.91
59	15-Jul-09	18	4	$ 36.93	Yes	$ 55.68	$ 18.75
60	15-Jul-09	18	5	$ 37.07	Yes	$ 55.68	$ 18.61
61	15-Jul-09	18	6	$ 36.63	Yes	$ 55.68	$ 19.05
62	15-Jul-09	18	7	$ 35.36	Yes	$ 55.68	$ 20.32
63	15-Jul-09	18	8	$ 35.72	Yes	$ 55.68	$ 19.96
64	15-Jul-09	18	9	$ 35.72	Yes	$ 55.68	$ 19.96
65	15-Jul-09	18	10	$ 34.58	Yes	$ 55.68	$ 21.10
66	15-Jul-09	18	11	$ 34.58	Yes	$ 55.68	$ 21.10

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
67	15-Jul-09	18	12	$ 34.25	Yes	$ 55.68	$ 21.43
68	15-Jul-09	19	1	$ 36.44	Yes	$ 55.68	$ 19.24
69	15-Jul-09	19	2	$ 37.29	Yes	$ 55.68	$ 18.39
70	15-Jul-09	19	3	$ 36.43	Yes	$ 55.68	$ 19.25
71	15-Jul-09	19	4	$ 35.56	Yes	$ 55.68	$ 20.12
72	15-Jul-09	19	5	$ 35.56	Yes	$ 55.68	$ 20.12
73	15-Jul-09	19	6	$ 34.53	Yes	$ 55.68	$ 21.15
74	15-Jul-09	19	7	$ 35.47	Yes	$ 55.68	$ 20.21
75	15-Jul-09	19	8	$ 35.47	Yes	$ 55.68	$ 20.21
76	15-Jul-09	19	9	$ 35.07	Yes	$ 55.68	$ 20.61
77	15-Jul-09	19	10	$ 34.29	Yes	$ 55.68	$ 21.39
78	15-Jul-09	19	11	$ 34.29	Yes	$ 55.68	$ 21.39
79	15-Jul-09	19	12	$ 34.99	Yes	$ 55.68	$ 20.69
80	15-Jul-09	20	1	$ 36.76	Yes	$ 55.68	$ 18.92
81	15-Jul-09	20	2	$ 37.63	Yes	$ 44.66	$ 7.03
82	15-Jul-09	20	2	$ 37.63	Yes	$ 55.68	$ 18.05
83	15-Jul-09	20	3	$ 37.45	Yes	$ 44.66	$ 7.21
84	15-Jul-09	20	3	$ 37.45	Yes	$ 55.68	$ 18.23
85	15-Jul-09	20	4	$ 35.32	Yes	$ 44.66	$ 9.34
86	15-Jul-09	20	4	$ 35.32	Yes	$ 55.68	$ 20.36
87	15-Jul-09	20	5	$ 36.50	Yes	$ 44.66	$ 8.16
88	15-Jul-09	20	5	$ 36.50	Yes	$ 55.68	$ 19.18
89	15-Jul-09	20	6	$ 35.85	Yes	$ 44.66	$ 8.81
90	15-Jul-09	20	6	$ 35.85	Yes	$ 55.68	$ 19.83
91	15-Jul-09	20	7	$ 35.24	Yes	$ 55.68	$ 20.44
92	15-Jul-09	20	7	$ 35.24	Yes	$ 44.66	$ 9.42
93	15-Jul-09	20	8	$ 35.19	Yes	$ 44.66	$ 9.47
94	15-Jul-09	20	8	$ 35.19	Yes	$ 55.68	$ 20.49
95	15-Jul-09	20	9	$ 34.76	Yes	$ 44.66	$ 9.90
96	15-Jul-09	20	9	$ 34.76	Yes	$ 55.68	$ 20.92
97	15-Jul-09	20	10	$ 34.76	Yes	$ 44.66	$ 9.90
98	15-Jul-09	20	10	$ 34.76	Yes	$ 55.68	$ 20.92
99	15-Jul-09	20	11	$ 34.76	Yes	$ 44.66	$ 9.90
100	15-Jul-09	20	11	$ 34.76	Yes	$ 55.68	$ 20.92
101	15-Jul-09	20	12	$ 34.43	Yes	$ 44.66	$ 10.23
102	15-Jul-09	20	12	$ 34.43	Yes	$ 55.68	$ 21.25
103	15-Jul-09	21	1	$ 34.74	Yes	$ 55.68	$ 20.94

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
104	15-Jul-09	21	2	$ 34.50	Yes	$ 55.68	$ 21.18
105	15-Jul-09	21	3	$ 34.49	Yes	$ 55.68	$ 21.19
106	15-Jul-09	21	4	$ 34.53	Yes	$ 55.68	$ 21.15
107	15-Jul-09	21	5	$ 34.79	Yes	$ 55.68	$ 20.89
108	15-Jul-09	21	6	$ 35.13	Yes	$ 55.68	$ 20.55
109	15-Jul-09	21	7	$ 34.93	Yes	$ 55.68	$ 20.75
110	15-Jul-09	21	8	$ 34.85	Yes	$ 55.68	$ 20.83
111	15-Jul-09	21	9	$ 34.85	Yes	$ 55.68	$ 20.83
112	15-Jul-09	21	10	$ 34.67	Yes	$ 55.68	$ 21.01
113	15-Jul-09	21	11	$ 34.67	Yes	$ 55.68	$ 21.01
114	15-Jul-09	21	12	$ 33.66	Yes	$ 55.68	$ 22.02
115	15-Jul-09	22	1	$ 35.91	Yes	$ 55.68	$ 19.77
116	15-Jul-09	22	2	$ 35.01	Yes	$ 55.68	$ 20.67
117	15-Jul-09	22	3	$ 35.01	Yes	$ 55.68	$ 20.67
118	15-Jul-09	22	4	$ 34.67	Yes	$ 55.68	$ 21.01
119	15-Jul-09	22	5	$ 34.67	Yes	$ 55.68	$ 21.01
120	15-Jul-09	22	6	$ 34.67	Yes	$ 55.68	$ 21.01
121	15-Jul-09	22	7	$ 34.32	Yes	$ 55.68	$ 21.36
122	15-Jul-09	22	8	$ 34.10	Yes	$ 55.68	$ 21.58
123	15-Jul-09	22	9	$ 34.06	Yes	$ 55.68	$ 21.62
124	15-Jul-09	22	10	$ 32.18	Yes	$ 44.66	$ 12.48
125	15-Jul-09	22	11	$ 31.63	Yes	$ 44.66	$ 13.03
126	15-Jul-09	22	12	$ 29.33	Yes	$ 44.66	$ 15.33
127	15-Jul-09	23	1	$ 34.58	Yes	$ 44.66	$ 10.08
128	16-Jul-09	17	3	$ 42.01	Yes	$ 55.68	$ 13.67
129	16-Jul-09	17	4	$ 41.94	Yes	$ 55.68	$ 13.74
130	16-Jul-09	17	5	$ 41.59	Yes	$ 55.68	$ 14.09
131	16-Jul-09	17	6	$ 41.72	Yes	$ 55.68	$ 13.96
132	16-Jul-09	17	7	$ 41.59	Yes	$ 55.68	$ 14.09
133	16-Jul-09	17	8	$ 41.34	Yes	$ 55.68	$ 14.34
134	16-Jul-09	17	9	$ 40.75	Yes	$ 55.68	$ 14.93
135	16-Jul-09	17	10	$ 40.38	Yes	$ 55.68	$ 15.30
136	16-Jul-09	17	11	$ 40.19	Yes	$ 55.68	$ 15.49
137	16-Jul-09	17	12	$ 39.41	Yes	$ 55.68	$ 16.27
138	16-Jul-09	18	1	$ 47.41	Yes	$ 55.68	$ 8.27
139	16-Jul-09	18	2	$ 43.19	Yes	$ 55.68	$ 12.49
140	16-Jul-09	18	3	$ 40.77	Yes	$ 55.68	$ 14.91

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
141	16-Jul-09	18	4	$ 40.77	Yes	$ 55.68	$ 14.91
142	16-Jul-09	18	5	$ 40.23	Yes	$ 55.68	$ 15.45
143	16-Jul-09	18	6	$ 40.25	Yes	$ 55.68	$ 15.43
144	16-Jul-09	18	7	$ 38.75	Yes	$ 55.68	$ 16.93
145	16-Jul-09	18	8	$ 38.78	Yes	$ 55.68	$ 16.90
146	16-Jul-09	18	9	$ 39.02	Yes	$ 55.68	$ 16.66
147	16-Jul-09	18	10	$ 39.40	Yes	$ 55.68	$ 16.28
148	16-Jul-09	18	11	$ 39.11	Yes	$ 55.68	$ 16.57
149	16-Jul-09	18	12	$ 38.73	Yes	$ 55.68	$ 16.95
150	16-Jul-09	19	1	$ 40.13	Yes	$ 55.68	$ 15.55
151	16-Jul-09	19	2	$ 39.95	Yes	$ 55.68	$ 15.73
152	16-Jul-09	19	3	$ 39.95	Yes	$ 55.68	$ 15.73
153	16-Jul-09	19	4	$ 39.29	Yes	$ 55.68	$ 16.39
154	16-Jul-09	19	5	$ 38.83	Yes	$ 55.68	$ 16.85
155	16-Jul-09	19	6	$ 38.57	Yes	$ 55.68	$ 17.11
156	16-Jul-09	19	7	$ 38.92	Yes	$ 55.68	$ 16.76
157	16-Jul-09	19	8	$ 38.75	Yes	$ 55.68	$ 16.93
158	16-Jul-09	19	9	$ 38.60	Yes	$ 55.68	$ 17.08
159	16-Jul-09	19	10	$ 38.08	Yes	$ 55.68	$ 17.60
160	16-Jul-09	19	11	$ 38.08	Yes	$ 55.68	$ 17.60
161	16-Jul-09	19	12	$ 38.33	Yes	$ 55.68	$ 17.35
162	16-Jul-09	20	1	$ 38.38	Yes	$ 55.68	$ 17.30
163	16-Jul-09	20	2	$ 38.33	Yes	$ 55.68	$ 17.35
164	16-Jul-09	20	3	$ 38.33	Yes	$ 55.68	$ 17.35
165	16-Jul-09	20	4	$ 38.18	Yes	$ 55.68	$ 17.50
166	16-Jul-09	20	5	$ 38.18	Yes	$ 55.68	$ 17.50
167	16-Jul-09	20	6	$ 37.88	Yes	$ 55.68	$ 17.80
168	16-Jul-09	20	7	$ 37.39	Yes	$ 55.68	$ 18.29
169	16-Jul-09	20	8	$ 37.32	Yes	$ 55.68	$ 18.36
170	16-Jul-09	20	9	$ 36.97	Yes	$ 55.68	$ 18.71
171	16-Jul-09	20	10	$ 36.79	Yes	$ 55.68	$ 18.89
172	16-Jul-09	20	11	$ 36.54	Yes	$ 55.68	$ 19.14
173	16-Jul-09	20	12	$ 37.00	Yes	$ 55.68	$ 18.68
174	16-Jul-09	21	1	$ 37.45	Yes	$ 55.68	$ 18.23
175	16-Jul-09	21	2	$ 37.45	Yes	$ 55.68	$ 18.23
176	16-Jul-09	21	3	$ 37.20	Yes	$ 55.68	$ 18.48
177	16-Jul-09	21	4	$ 37.47	Yes	$ 55.68	$ 18.21

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
178	16-Jul-09	21	5	$ 37.88	Yes	$ 55.68	$ 17.80
179	16-Jul-09	21	6	$ 37.88	Yes	$ 55.68	$ 17.80
180	16-Jul-09	21	7	$ 37.83	Yes	$ 55.68	$ 17.85
181	16-Jul-09	21	8	$ 37.73	Yes	$ 55.68	$ 17.95
182	16-Jul-09	21	9	$ 37.73	Yes	$ 55.68	$ 17.95
183	16-Jul-09	21	10	$ 37.17	Yes	$ 55.68	$ 18.51
184	16-Jul-09	21	11	$ 36.94	Yes	$ 55.68	$ 18.74
185	16-Jul-09	21	12	$ 36.44	Yes	$ 55.68	$ 19.24
186	16-Jul-09	22	1	$ 38.47	Yes	$ 55.68	$ 17.21
187	16-Jul-09	22	2	$ 37.87	Yes	$ 55.68	$ 17.81
188	16-Jul-09	22	3	$ 37.43	Yes	$ 55.68	$ 18.25
189	16-Jul-09	22	4	$ 36.90	Yes	$ 55.68	$ 18.78
190	16-Jul-09	22	5	$ 36.90	Yes	$ 55.68	$ 18.78
191	16-Jul-09	22	6	$ 37.10	Yes	$ 55.68	$ 18.58
192	16-Jul-09	22	7	$ 36.99	Yes	$ 55.68	$ 18.69
193	16-Jul-09	22	8	$ 36.86	Yes	$ 55.68	$ 18.82
194	16-Jul-09	22	9	$ 35.79	Yes	$ 55.68	$ 19.89
195	16-Jul-09	22	10	$ 34.77	Yes	$ 55.68	$ 20.91
196	16-Jul-09	22	11	$ 30.20	Yes	$ 55.68	$ 25.48
197	16-Jul-09	22	12	$ 31.38	Yes	$ 55.68	$ 24.30
198	17-Jul-09	6	1	$ 21.73	No	$ 44.66	$ 22.93
199	17-Jul-09	6	2	$ 22.92	No	$ 44.66	$ 21.74
200	17-Jul-09	6	12	$ 23.28	No	$ 44.66	$ 21.38
201	17-Jul-09	7	3	$ (31.60)	No	$ 44.66	$ 76.26
202	17-Jul-09	7	4	$ 21.54	No	$ 44.66	$ 23.12
203	17-Jul-09	7	5	$ 16.80	No	$ 44.66	$ 27.86
204	17-Jul-09	7	6	$ 16.80	No	$ 44.66	$ 27.86
205	17-Jul-09	16	2	$ 37.96	Yes	$ 55.68	$ 17.72
206	17-Jul-09	16	3	$ 41.30	Yes	$ 55.68	$ 14.38
207	17-Jul-09	16	4	$ 41.93	Yes	$ 55.68	$ 13.75
208	17-Jul-09	16	5	$ 41.95	Yes	$ 55.68	$ 13.73
209	17-Jul-09	16	6	$ 43.14	Yes	$ 55.68	$ 12.54
210	17-Jul-09	16	7	$ 42.79	Yes	$ 55.68	$ 12.89
211	17-Jul-09	16	8	$ 42.82	Yes	$ 55.68	$ 12.86
212	17-Jul-09	16	9	$ 44.79	Yes	$ 55.68	$ 10.89
213	17-Jul-09	16	10	$ 537.12	Yes	$ 55.68	$ (481.44)
214	17-Jul-09	16	11	$ 753.23	Yes	$ 55.68	$ (697.55)

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
215	17-Jul-09	16	12	$ 537.12	Yes	$ 55.68	$ (481.44)
216	17-Jul-09	17	1	$ 54.77	Yes	$ 55.68	$ 0.91
217	17-Jul-09	17	2	$ 54.07	Yes	$ 55.68	$ 1.61
218	17-Jul-09	17	3	$ 54.12	Yes	$ 55.68	$ 1.56
219	17-Jul-09	17	4	$ 52.47	Yes	$ 55.68	$ 3.21
220	17-Jul-09	17	5	$ 52.61	Yes	$ 55.68	$ 3.07
221	17-Jul-09	17	6	$ 53.02	Yes	$ 55.68	$ 2.66
222	17-Jul-09	17	7	$ 44.88	Yes	$ 55.68	$ 10.80
223	17-Jul-09	17	8	$ 52.39	Yes	$ 55.68	$ 3.29
224	17-Jul-09	17	9	$ 50.97	Yes	$ 55.68	$ 4.71
225	17-Jul-09	17	10	$ 44.00	Yes	$ 55.68	$ 11.68
226	17-Jul-09	17	11	$ 48.01	Yes	$ 55.68	$ 7.67
227	17-Jul-09	17	12	$ 48.61	Yes	$ 55.68	$ 7.07
228	17-Jul-09	18	1	$ 47.86	Yes	$ 55.68	$ 7.82
229	17-Jul-09	18	2	$ 47.86	Yes	$ 55.68	$ 7.82
230	17-Jul-09	18	3	$ 47.41	Yes	$ 55.68	$ 8.27
231	17-Jul-09	18	4	$ 42.29	Yes	$ 55.68	$ 13.39
232	17-Jul-09	18	5	$ 42.80	Yes	$ 55.68	$ 12.88
233	17-Jul-09	18	6	$ 40.59	Yes	$ 55.68	$ 15.09
234	17-Jul-09	18	7	$ 40.57	Yes	$ 55.68	$ 15.11
235	17-Jul-09	18	8	$ 40.57	Yes	$ 55.68	$ 15.11
236	17-Jul-09	18	9	$ 40.57	Yes	$ 55.68	$ 15.11
237	17-Jul-09	18	10	$ 40.09	Yes	$ 55.68	$ 15.59
238	17-Jul-09	18	11	$ 37.62	Yes	$ 55.68	$ 18.06
239	17-Jul-09	18	12	$ 37.23	Yes	$ 55.68	$ 18.45
240	17-Jul-09	19	1	$ 47.33	Yes	$ 55.68	$ 8.35
241	17-Jul-09	19	2	$ 46.04	Yes	$ 55.68	$ 9.64
242	17-Jul-09	19	3	$ 46.04	Yes	$ 55.68	$ 9.64
243	17-Jul-09	19	4	$ 46.04	Yes	$ 55.68	$ 9.64
244	17-Jul-09	19	5	$ 40.54	Yes	$ 55.68	$ 15.14
245	17-Jul-09	19	6	$ 40.54	Yes	$ 55.68	$ 15.14
246	17-Jul-09	19	7	$ 40.53	Yes	$ 55.68	$ 15.15
247	17-Jul-09	19	8	$ 38.77	Yes	$ 55.68	$ 16.91
248	17-Jul-09	19	9	$ 38.77	Yes	$ 55.68	$ 16.91
249	17-Jul-09	19	10	$ 37.07	Yes	$ 55.68	$ 18.61
250	17-Jul-09	19	11	$ 35.93	Yes	$ 55.68	$ 19.75
251	17-Jul-09	19	12	$ 35.50	Yes	$ 55.68	$ 20.18

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
252	17-Jul-09	20	1	$ 36.90	Yes	$ 55.68	$ 18.78
253	17-Jul-09	20	2	$ 37.96	Yes	$ 55.68	$ 17.72
254	17-Jul-09	20	3	$ 37.78	Yes	$ 55.68	$ 17.90
255	17-Jul-09	20	4	$ 37.74	Yes	$ 55.68	$ 17.94
256	17-Jul-09	20	5	$ 37.82	Yes	$ 55.68	$ 17.86
257	17-Jul-09	20	6	$ 37.74	Yes	$ 55.68	$ 17.94
258	17-Jul-09	20	7	$ 38.16	Yes	$ 55.68	$ 17.52
259	17-Jul-09	20	8	$ 36.89	Yes	$ 55.68	$ 18.79
260	17-Jul-09	20	9	$ 36.89	Yes	$ 55.68	$ 18.79
261	17-Jul-09	20	10	$ 36.32	Yes	$ 55.68	$ 19.36
262	17-Jul-09	20	11	$ 35.75	Yes	$ 55.68	$ 19.93
263	17-Jul-09	20	12	$ 35.70	Yes	$ 55.68	$ 19.98
264	17-Jul-09	21	1	$ 37.12	Yes	$ 55.68	$ 18.56
265	17-Jul-09	21	2	$ 36.71	Yes	$ 55.68	$ 18.97
266	17-Jul-09	21	3	$ 36.71	Yes	$ 55.68	$ 18.97
267	17-Jul-09	21	4	$ 36.71	Yes	$ 55.68	$ 18.97
268	17-Jul-09	21	5	$ 36.71	Yes	$ 55.68	$ 18.97
269	17-Jul-09	21	6	$ 36.71	Yes	$ 44.66	$ 7.95
270	17-Jul-09	21	7	$ 36.71	Yes	$ 44.66	$ 7.95
271	17-Jul-09	21	8	$ 36.71	Yes	$ 44.66	$ 7.95
272	17-Jul-09	21	9	$ 37.68	Yes	$ 44.66	$ 6.98
273	17-Jul-09	21	10	$ 37.36	Yes	$ 44.66	$ 7.30
274	17-Jul-09	21	11	$ 37.06	Yes	$ 44.66	$ 7.60
275	17-Jul-09	21	12	$ 37.06	Yes	$ 44.66	$ 7.60
276	17-Jul-09	23	1	$ 36.32	Yes	$ 44.66	$ 8.34
277	17-Jul-09	23	2	$ 36.32	Yes	$ 44.66	$ 8.34
278	17-Jul-09	23	3	$ 34.46	Yes	$ 44.66	$ 10.20
279	18-Jul-09	14	1	$ 39.44	Yes	$ 55.68	$ 16.24
280	18-Jul-09	14	2	$ 39.98	Yes	$ 55.68	$ 15.70
281	18-Jul-09	14	3	$ 39.98	Yes	$ 55.68	$ 15.70
282	18-Jul-09	14	4	$ 39.80	Yes	$ 55.68	$ 15.88
283	18-Jul-09	14	5	$ 40.21	Yes	$ 55.68	$ 15.47
284	18-Jul-09	14	6	$ 44.56	Yes	$ 55.68	$ 11.12
285	18-Jul-09	14	7	$ 44.15	Yes	$ 55.68	$ 11.53
286	18-Jul-09	14	8	$ 44.18	Yes	$ 55.68	$ 11.50
287	18-Jul-09	14	9	$ 44.18	Yes	$ 55.68	$ 11.50
288	18-Jul-09	14	10	$ 46.99	Yes	$ 55.68	$ 8.69

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
289	18-Jul-09	14	11	$ 46.99	Yes	$ 55.68	$ 8.69
290	18-Jul-09	14	12	$ 48.09	Yes	$ 55.68	$ 7.59
291	18-Jul-09	15	1	$ 39.98	Yes	$ 55.68	$ 15.70
292	18-Jul-09	15	2	$ 39.54	Yes	$ 55.68	$ 16.14
293	18-Jul-09	15	3	$ 39.78	Yes	$ 55.68	$ 15.90
294	18-Jul-09	15	4	$ 40.19	Yes	$ 55.68	$ 15.49
295	18-Jul-09	15	5	$ 40.39	Yes	$ 55.68	$ 15.29
296	18-Jul-09	15	6	$ 41.80	Yes	$ 55.68	$ 13.88
297	18-Jul-09	15	7	$ 46.10	Yes	$ 55.68	$ 9.58
298	18-Jul-09	15	8	$ 47.71	Yes	$ 55.68	$ 7.97
299	18-Jul-09	15	9	$ 47.23	Yes	$ 55.68	$ 8.45
300	18-Jul-09	15	10	$ 542.72	Yes	$ 55.68	$ (487.04)
301	18-Jul-09	15	11	$ 501.64	Yes	$ 55.68	$ (445.96)
302	18-Jul-09	15	12	$ 506.53	Yes	$ 55.68	$ (450.85)
303	18-Jul-09	16	1	$ 106.31	Yes	$ 55.68	$ (50.63)
304	18-Jul-09	16	2	$ 103.07	Yes	$ 55.68	$ (47.39)
305	18-Jul-09	16	3	$ 79.91	Yes	$ 55.68	$ (24.23)
306	18-Jul-09	16	4	$ 542.47	Yes	$ 55.68	$ (486.79)
307	18-Jul-09	16	5	$ 542.47	Yes	$ 55.68	$ (486.79)
308	18-Jul-09	16	6	$ 542.47	Yes	$ 55.68	$ (486.79)
309	18-Jul-09	16	7	$ 542.92	Yes	$ 55.68	$ (487.24)
310	18-Jul-09	16	8	$ 542.92	Yes	$ 55.68	$ (487.24)
311	18-Jul-09	16	9	$ 1,685.07	Yes	$ 55.68	$ (1,629.39)
312	18-Jul-09	16	10	$ 73.18	Yes	$ 55.68	$ (17.50)
313	18-Jul-09	16	11	$ 73.29	Yes	$ 55.68	$ (17.61)
314	18-Jul-09	16	12	$ 58.80	Yes	$ 55.68	$ (3.12)
315	18-Jul-09	17	1	$ 54.53	Yes	$ 55.68	$ 1.15
316	18-Jul-09	17	2	$ 67.01	Yes	$ 55.68	$ (11.33)
317	18-Jul-09	17	3	$ 73.71	Yes	$ 55.68	$ (18.03)
318	18-Jul-09	17	4	$ 83.95	Yes	$ 55.68	$ (28.27)
319	18-Jul-09	17	5	$ 512.53	Yes	$ 55.68	$ (456.85)
320	18-Jul-09	17	6	$ 509.74	Yes	$ 55.68	$ (454.06)
321	18-Jul-09	17	7	$ 177.14	Yes	$ 55.68	$ (121.46)
322	18-Jul-09	17	8	$ 512.76	Yes	$ 55.68	$ (457.08)
323	18-Jul-09	17	9	$ 510.15	Yes	$ 55.68	$ (454.47)
324	18-Jul-09	17	10	$ 511.65	Yes	$ 55.68	$ (455.97)
325	18-Jul-09	17	11	$ 515.05	Yes	$ 55.68	$ (459.37)

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
326	18-Jul-09	17	12	$ 511.65	Yes	$ 55.68	$ (455.97)
327	18-Jul-09	18	1	$ 551.58	Yes	$ 55.68	$ (495.90)
328	18-Jul-09	18	2	$ 960.36	Yes	$ 55.68	$ (904.68)
329	18-Jul-09	18	3	$ 1,417.04	Yes	$ 55.68	$ (1,361.36)
330	18-Jul-09	18	4	$ 59.15	Yes	$ 55.68	$ (3.47)
331	18-Jul-09	18	5	$ 55.85	Yes	$ 55.68	$ (0.17)
332	18-Jul-09	18	6	$ 548.92	Yes	$ 55.68	$ (493.24)
333	18-Jul-09	18	7	$ 1,437.83	Yes	$ 55.68	$ (1,382.15)
334	18-Jul-09	18	8	$ 74.92	Yes	$ 55.68	$ (19.24)
335	18-Jul-09	18	9	$ 63.01	Yes	$ 55.68	$ (7.33)
336	18-Jul-09	18	10	$ 53.96	Yes	$ 55.68	$ 1.72
337	18-Jul-09	18	11	$ 47.56	Yes	$ 55.68	$ 8.12
338	18-Jul-09	18	12	$ 47.31	Yes	$ 55.68	$ 8.37
339	18-Jul-09	19	1	$ 54.17	Yes	$ 55.68	$ 1.51
340	18-Jul-09	19	2	$ 54.17	Yes	$ 55.68	$ 1.51
341	18-Jul-09	19	3	$ 48.99	Yes	$ 55.68	$ 6.69
342	18-Jul-09	19	4	$ 53.40	Yes	$ 55.68	$ 2.28
343	18-Jul-09	19	5	$ 48.29	Yes	$ 55.68	$ 7.39
344	18-Jul-09	19	6	$ 42.01	Yes	$ 55.68	$ 13.67
345	18-Jul-09	19	7	$ 39.02	Yes	$ 55.68	$ 16.66
346	18-Jul-09	19	8	$ 39.02	Yes	$ 44.66	$ 5.64
347	18-Jul-09	19	9	$ 39.46	Yes	$ 44.66	$ 5.20
348	18-Jul-09	19	10	$ 40.38	Yes	$ 44.66	$ 4.28
349	18-Jul-09	19	11	$ 39.08	Yes	$ 44.66	$ 5.58
350	18-Jul-09	19	12	$ 38.76	Yes	$ 44.66	$ 5.90
351	19-Jul-09	14	9	$ 52.88	Yes	$ 44.66	$ (8.22)
352	19-Jul-09	14	10	$ 51.60	Yes	$ 44.66	$ (6.94)
353	19-Jul-09	14	11	$ 52.17	Yes	$ 44.66	$ (7.51)
354	19-Jul-09	14	12	$ 62.09	Yes	$ 44.66	$ (17.43)
355	19-Jul-09	16	5	$ 68.41	Yes	$ 55.68	$ (12.73)
356	19-Jul-09	16	6	$ 70.04	Yes	$ 55.68	$ (14.36)
357	19-Jul-09	16	7	$ 70.64	Yes	$ 55.68	$ (14.96)
358	19-Jul-09	16	8	$ 101.08	Yes	$ 55.68	$ (45.40)
359	19-Jul-09	16	9	$ 73.09	Yes	$ 55.68	$ (17.41)
360	19-Jul-09	16	10	$ 113.56	Yes	$ 55.68	$ (57.88)
361	19-Jul-09	16	11	$ 101.45	Yes	$ 55.68	$ (45.77)
362	19-Jul-09	16	12	$ 57.42	Yes	$ 55.68	$ (1.74)

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
363	19-Jul-09	17	1	$ 78.83	Yes	$ 55.68	$ (23.15)
364	19-Jul-09	17	2	$ 70.03	Yes	$ 55.68	$ (14.35)
365	19-Jul-09	17	3	$ 68.71	Yes	$ 55.68	$ (13.03)
366	19-Jul-09	17	4	$ 68.87	Yes	$ 55.68	$ (13.19)
367	19-Jul-09	17	5	$ 67.81	Yes	$ 55.68	$ (12.13)
368	19-Jul-09	17	6	$ 64.68	Yes	$ 55.68	$ (9.00)
369	19-Jul-09	17	7	$ 62.47	Yes	$ 55.68	$ (6.79)
370	19-Jul-09	17	8	$ 64.63	Yes	$ 55.68	$ (8.95)
371	19-Jul-09	17	9	$ 60.67	Yes	$ 55.68	$ (4.99)
372	19-Jul-09	17	10	$ 65.23	Yes	$ 55.68	$ (9.55)
373	19-Jul-09	17	11	$ 64.69	Yes	$ 55.68	$ (9.01)
374	19-Jul-09	17	12	$ 64.46	Yes	$ 55.68	$ (8.78)
375	19-Jul-09	18	1	$ 70.78	Yes	$ 55.68	$ (15.10)
376	19-Jul-09	18	2	$ 75.98	Yes	$ 55.68	$ (20.30)
377	19-Jul-09	18	3	$ 63.51	Yes	$ 55.68	$ (7.83)
378	19-Jul-09	18	4	$ 44.34	Yes	$ 55.68	$ 11.34
379	19-Jul-09	18	5	$ 49.09	Yes	$ 55.68	$ 6.59
380	19-Jul-09	18	6	$ 42.58	Yes	$ 55.68	$ 13.10
381	19-Jul-09	18	7	$ 40.70	Yes	$ 55.68	$ 14.98
382	19-Jul-09	18	8	$ 42.66	Yes	$ 55.68	$ 13.02
383	19-Jul-09	18	9	$ 42.16	No	$ 55.68	$ 13.52
384	19-Jul-09	18	10	$ 54.44	No	$ 55.68	$ 1.24
385	19-Jul-09	19	1	$ 59.05	Yes	$ 55.68	$ (3.37)
386	19-Jul-09	19	2	$ 70.80	Yes	$ 55.68	$ (15.12)
387	19-Jul-09	19	3	$ 56.88	Yes	$ 55.68	$ (1.20)
388	19-Jul-09	19	4	$ 52.95	Yes	$ 55.68	$ 2.73
389	19-Jul-09	19	5	$ 55.50	Yes	$ 55.68	$ 0.18
390	19-Jul-09	19	6	$ 52.08	Yes	$ 55.68	$ 3.60
391	19-Jul-09	19	7	$ 50.44	Yes	$ 55.68	$ 5.24
392	19-Jul-09	19	8	$ 47.94	Yes	$ 55.68	$ 7.74
393	19-Jul-09	19	9	$ 46.59	Yes	$ 55.68	$ 9.09
394	19-Jul-09	19	10	$ 39.20	Yes	$ 55.68	$ 16.48
395	19-Jul-09	19	11	$ 40.16	Yes	$ 55.68	$ 15.52
396	19-Jul-09	19	12	$ 39.19	Yes	$ 55.68	$ 16.49
397	19-Jul-09	20	1	$ 40.42	Yes	$ 55.68	$ 15.26
398	19-Jul-09	20	2	$ 40.40	Yes	$ 55.68	$ 15.28
399	19-Jul-09	20	3	$ 39.42	Yes	$ 55.68	$ 16.26

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
400	19-Jul-09	20	4	$ 40.57	Yes	$ 55.68	$ 15.11
401	19-Jul-09	20	5	$ 40.57	Yes	$ 55.68	$ 15.11
402	19-Jul-09	20	6	$ 39.43	Yes	$ 55.68	$ 16.25
403	19-Jul-09	20	7	$ 39.86	Yes	$ 55.68	$ 15.82
404	19-Jul-09	20	8	$ 39.44	Yes	$ 55.68	$ 16.24
405	19-Jul-09	20	9	$ 38.52	Yes	$ 55.68	$ 17.16
406	19-Jul-09	20	10	$ 37.81	Yes	$ 55.68	$ 17.87
407	19-Jul-09	20	11	$ 37.62	Yes	$ 55.68	$ 18.06
408	19-Jul-09	20	12	$ 34.88	Yes	$ 55.68	$ 20.80
409	19-Jul-09	21	1	$ 39.70	Yes	$ 55.68	$ 15.98
410	19-Jul-09	21	2	$ 40.32	Yes	$ 55.68	$ 15.36
411	19-Jul-09	21	3	$ 40.07	Yes	$ 55.68	$ 15.61
412	19-Jul-09	21	4	$ 40.36	Yes	$ 55.68	$ 15.32
413	19-Jul-09	21	5	$ 45.44	Yes	$ 55.68	$ 10.24
414	19-Jul-09	21	6	$ 44.15	Yes	$ 55.68	$ 11.53
415	19-Jul-09	21	7	$ 43.15	Yes	$ 55.68	$ 12.53
416	19-Jul-09	21	8	$ 42.88	Yes	$ 55.68	$ 12.80
417	19-Jul-09	21	9	$ 42.10	Yes	$ 55.68	$ 13.58
418	19-Jul-09	21	10	$ 41.09	Yes	$ 55.68	$ 14.59
419	19-Jul-09	21	11	$ 40.30	Yes	$ 55.68	$ 15.38
420	19-Jul-09	21	12	$ 43.74	Yes	$ 55.68	$ 11.94
421	19-Jul-09	22	1	$ 44.76	Yes	$ 55.68	$ 10.92
422	19-Jul-09	22	2	$ 43.91	Yes	$ 55.68	$ 11.77
423	19-Jul-09	22	3	$ 41.39	Yes	$ 55.68	$ 14.29
424	19-Jul-09	22	4	$ 40.98	Yes	$ 55.68	$ 14.70
425	19-Jul-09	22	5	$ 40.89	Yes	$ 55.68	$ 14.79
426	19-Jul-09	22	6	$ 40.48	Yes	$ 55.68	$ 15.20
427	19-Jul-09	22	7	$ 40.98	Yes	$ 55.68	$ 14.70
428	19-Jul-09	22	8	$ 40.36	Yes	$ 55.68	$ 15.32
429	19-Jul-09	22	9	$ 39.89	Yes	$ 55.68	$ 15.79
430	19-Jul-09	22	10	$ 39.03	Yes	$ 55.68	$ 16.65
431	19-Jul-09	22	11	$ 38.89	Yes	$ 55.68	$ 16.79
432	19-Jul-09	22	12	$ 35.90	Yes	$ 55.68	$ 19.78
433	19-Jul-09	23	1	$ 42.86	Yes	$ 55.68	$ 12.82
434	19-Jul-09	23	2	$ 41.16	Yes	$ 55.68	$ 14.52
435	19-Jul-09	23	3	$ 37.51	Yes	$ 55.68	$ 18.17
436	19-Jul-09	23	4	$ 35.71	Yes	$ 55.68	$ 19.97

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
437	19-Jul-09	23	5	$ 36.69	Yes	$ 55.68	$ 18.99
438	19-Jul-09	23	6	$ 36.68	Yes	$ 55.68	$ 19.00
439	19-Jul-09	23	7	$ 35.72	Yes	$ 55.68	$ 19.96
440	19-Jul-09	23	8	$ 33.49	Yes	$ 55.68	$ 22.19
441	19-Jul-09	23	9	$ 31.31	Yes	$ 55.68	$ 24.37
442	19-Jul-09	23	10	$ 31.07	Yes	$ 55.68	$ 24.61
443	19-Jul-09	23	11	$ 30.88	Yes	$ 55.68	$ 24.80
444	19-Jul-09	23	12	$ 28.87	Yes	$ 55.68	$ 26.81
445	19-Jul-09	24	1	$ 37.24	Yes	$ 44.66	$ 7.42
446	19-Jul-09	24	2	$ 36.56	Yes	$ 44.66	$ 8.10
447	19-Jul-09	24	3	$ 36.60	Yes	$ 44.66	$ 8.06
448	19-Jul-09	24	4	$ 35.63	Yes	$ 44.66	$ 9.03
449	19-Jul-09	24	5	$ 35.67	Yes	$ 44.66	$ 8.99
450	19-Jul-09	24	6	$ 35.23	Yes	$ 44.66	$ 9.43
451	19-Jul-09	24	7	$ 31.90	Yes	$ 44.66	$ 12.76
452	19-Jul-09	24	8	$ 30.36	Yes	$ 44.66	$ 14.30
453	21-Jul-09	2	1	$ 29.78	No	$ 49.19	$ 19.41
454	21-Jul-09	2	2	$ 29.47	No	$ 49.19	$ 19.72
455	21-Jul-09	2	3	$ 29.78	No	$ 49.19	$ 19.41
456	21-Jul-09	2	4	$ 29.04	No	$ 49.19	$ 20.15
457	21-Jul-09	2	5	$ 28.85	No	$ 49.19	$ 20.34
458	21-Jul-09	2	6	$ 28.56	No	$ 49.19	$ 20.63
459	21-Jul-09	2	7	$ 28.35	No	$ 49.19	$ 20.84
460	21-Jul-09	2	8	$ 25.37	No	$ 49.19	$ 23.82
461	21-Jul-09	2	9	$ 25.37	No	$ 49.19	$ 23.82
462	21-Jul-09	2	10	$ 1.08	No	$ 49.19	$ 48.11
463	21-Jul-09	2	11	$ 11.35	No	$ 49.19	$ 37.84
464	21-Jul-09	2	12	$ 25.36	No	$ 49.19	$ 23.83
465	21-Jul-09	3	1	$ 25.34	No	$ 49.19	$ 23.85
466	21-Jul-09	3	2	$ 25.74	No	$ 49.19	$ 23.45
467	21-Jul-09	3	3	$ 25.67	No	$ 49.19	$ 23.52
468	21-Jul-09	3	4	$ 25.36	No	$ 49.19	$ 23.83
469	21-Jul-09	3	5	$ 25.24	No	$ 49.19	$ 23.95
470	21-Jul-09	3	6	$ 23.91	No	$ 49.19	$ 25.28
471	21-Jul-09	3	7	$ 24.74	No	$ 49.19	$ 24.45
472	21-Jul-09	3	8	$ 23.98	No	$ 49.19	$ 25.21
473	21-Jul-09	3	9	$ 23.15	No	$ 49.19	$ 26.04

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
474	21-Jul-09	3	10	$ 23.86	No	$ 49.19	$ 25.33
475	21-Jul-09	3	11	$ 12.73	No	$ 49.19	$ 36.46
476	21-Jul-09	3	12	$ 1.11	No	$ 49.19	$ 48.08
477	21-Jul-09	4	1	$ 26.43	No	$ 49.19	$ 22.76
478	21-Jul-09	4	2	$ 25.53	No	$ 49.19	$ 23.66
479	21-Jul-09	4	3	$ 24.72	No	$ 49.19	$ 24.47
480	24-Jul-09	1	1	$ 26.39	No	$ 43.87	$ 17.48
481	24-Jul-09	1	2	$ 29.10	No	$ 43.87	$ 14.77
482	24-Jul-09	1	3	$ 29.10	No	$ 43.87	$ 14.77
483	24-Jul-09	1	4	$ 23.91	No	$ 43.87	$ 19.96
484	24-Jul-09	1	5	$ 23.14	No	$ 43.87	$ 20.73
485	24-Jul-09	1	6	$ 23.24	No	$ 43.87	$ 20.63
486	24-Jul-09	1	7	$ 21.35	No	$ 43.87	$ 22.52
487	24-Jul-09	1	8	$ 20.36	No	$ 43.87	$ 23.51
488	24-Jul-09	1	9	$ 18.99	No	$ 43.87	$ 24.88
489	24-Jul-09	1	10	$ 13.35	No	$ 43.87	$ 30.52
490	24-Jul-09	1	11	$ 1.10	No	$ 43.87	$ 42.77
491	24-Jul-09	1	12	$ 12.67	No	$ 43.87	$ 31.20
492	24-Jul-09	2	1	$ 25.95	No	$ 43.87	$ 17.92
493	24-Jul-09	2	2	$ 26.61	No	$ 43.87	$ 17.26
494	24-Jul-09	2	3	$ 27.70	No	$ 43.87	$ 16.17
495	24-Jul-09	2	4	$ 29.05	No	$ 43.87	$ 14.82
496	24-Jul-09	2	5	$ 28.94	No	$ 43.87	$ 14.93
497	24-Jul-09	2	6	$ 28.73	No	$ 43.87	$ 15.14
498	24-Jul-09	2	7	$ 27.71	No	$ 43.87	$ 16.16
499	24-Jul-09	2	8	$ 26.66	No	$ 43.87	$ 17.21
500	24-Jul-09	2	9	$ 24.50	No	$ 43.87	$ 19.37
501	24-Jul-09	2	10	$ 20.44	No	$ 43.87	$ 23.43
502	24-Jul-09	2	11	$ 15.19	No	$ 43.87	$ 28.68
503	24-Jul-09	2	12	$ 15.16	No	$ 43.87	$ 28.71
504	24-Jul-09	3	1	$ 24.62	No	$ 43.87	$ 19.25
505	24-Jul-09	3	2	$ 26.42	No	$ 43.87	$ 17.45
506	24-Jul-09	3	3	$ 24.62	No	$ 43.87	$ 19.25
507	24-Jul-09	3	4	$ 25.34	No	$ 43.87	$ 18.53
508	24-Jul-09	3	5	$ 23.70	No	$ 43.87	$ 20.17
509	24-Jul-09	3	6	$ 20.97	No	$ 43.87	$ 22.90
510	24-Jul-09	3	7	$ 17.31	No	$ 43.87	$ 26.56

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
511	24-Jul-09	3	8	$ 13.24	No	$ 43.87	$ 30.63
512	24-Jul-09	3	9	$ 1.12	No	$ 43.87	$ 42.75
513	24-Jul-09	3	10	$ 13.18	No	$ 43.87	$ 30.69
514	24-Jul-09	3	11	$ 13.18	No	$ 43.87	$ 30.69
515	24-Jul-09	3	12	$ 11.61	No	$ 43.87	$ 32.26
516	24-Jul-09	4	1	$ 20.82	No	$ 43.87	$ 23.05
517	24-Jul-09	4	2	$ 21.65	No	$ 43.87	$ 22.22
518	24-Jul-09	4	3	$ 23.60	No	$ 43.87	$ 20.27
519	24-Jul-09	4	4	$ 21.66	No	$ 43.87	$ 22.21
520	24-Jul-09	4	5	$ 21.66	No	$ 43.87	$ 22.21
521	24-Jul-09	4	6	$ 20.81	No	$ 43.87	$ 23.06
522	24-Jul-09	4	7	$ 20.81	No	$ 43.87	$ 23.06
523	24-Jul-09	4	8	$ 20.81	No	$ 43.87	$ 23.06
524	24-Jul-09	4	9	$ 19.71	No	$ 43.87	$ 24.16
525	24-Jul-09	4	10	$ 19.67	No	$ 43.87	$ 24.20
526	24-Jul-09	4	11	$ 13.18	No	$ 43.87	$ 30.69
527	24-Jul-09	4	12	$ 13.52	No	$ 43.87	$ 30.35
528	24-Jul-09	5	1	$ 1.11	No	$ 43.87	$ 42.76
529	24-Jul-09	5	2	$ 1.11	No	$ 43.87	$ 42.76
530	24-Jul-09	5	3	$ 1.11	No	$ 43.87	$ 42.76
531	24-Jul-09	5	4	$ 13.18	No	$ 43.87	$ 30.69
532	24-Jul-09	5	5	$ 19.59	No	$ 43.87	$ 24.28
533	24-Jul-09	5	6	$ 13.18	No	$ 43.87	$ 30.69
534	24-Jul-09	5	7	$ 19.77	No	$ 43.87	$ 24.10
535	24-Jul-09	5	8	$ 21.65	No	$ 43.87	$ 22.22
536	24-Jul-09	5	9	$ 23.54	No	$ 43.87	$ 20.33
537	24-Jul-09	5	10	$ 24.18	No	$ 43.87	$ 19.69
538	24-Jul-09	5	11	$ 24.33	No	$ 43.87	$ 19.54
539	24-Jul-09	5	12	$ 26.19	No	$ 43.87	$ 17.68
540	24-Jul-09	6	1	$ 20.25	No	$ 43.87	$ 23.62
541	24-Jul-09	6	2	$ 22.47	No	$ 43.87	$ 21.40
542	24-Jul-09	6	3	$ 23.25	No	$ 43.87	$ 20.62
543	24-Jul-09	6	4	$ 24.14	No	$ 43.87	$ 19.73
544	24-Jul-09	6	5	$ 26.73	No	$ 43.87	$ 17.14
545	24-Jul-09	6	6	$ 27.91	No	$ 43.87	$ 15.96
546	24-Jul-09	6	7	$ 30.20	No	$ 43.87	$ 13.67
547	24-Jul-09	6	8	$ 30.24	No	$ 43.87	$ 13.63

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
548	24-Jul-09	6	9	$ 30.28	No	$ 43.87	$ 13.59
549	24-Jul-09	6	10	$ 30.56	No	$ 43.87	$ 13.31
550	24-Jul-09	6	11	$ 30.27	No	$ 43.87	$ 13.60
551	24-Jul-09	6	12	$ 28.67	No	$ 43.87	$ 15.20
552	24-Jul-09	7	1	$ 15.51	No	$ 43.87	$ 28.36
553	24-Jul-09	7	2	$ 1.12	No	$ 43.87	$ 42.75
554	24-Jul-09	7	3	$ 11.07	No	$ 43.87	$ 32.80
555	24-Jul-09	7	4	$ 10.85	No	$ 43.87	$ 33.02
556	24-Jul-09	7	5	$ 13.20	No	$ 43.87	$ 30.67
557	24-Jul-09	7	6	$ 16.30	No	$ 43.87	$ 27.57
558	24-Jul-09	7	7	$ 18.91	No	$ 43.87	$ 24.96
559	24-Jul-09	7	8	$ 20.46	No	$ 43.87	$ 23.41
560	24-Jul-09	7	9	$ 20.67	No	$ 43.87	$ 23.20
561	24-Jul-09	7	10	$ 23.78	No	$ 43.87	$ 20.09
562	24-Jul-09	7	11	$ 24.65	No	$ 43.87	$ 19.22
563	24-Jul-09	7	12	$ 23.22	No	$ 43.87	$ 20.65
564	24-Jul-09	8	1	$ 18.63	No	$ 43.87	$ 25.24
565	24-Jul-09	8	2	$ 20.59	No	$ 43.87	$ 23.28
566	24-Jul-09	8	3	$ 20.70	No	$ 43.87	$ 23.17
567	24-Jul-09	8	4	$ 22.76	No	$ 43.87	$ 21.11
568	27-Jul-09	1	4	$ 13.31	No	$ 48.87	$ 35.56
569	27-Jul-09	1	5	$ 15.13	No	$ 48.87	$ 33.74
570	27-Jul-09	1	6	$ 15.13	No	$ 48.87	$ 33.74
571	27-Jul-09	1	7	$ 13.40	No	$ 48.87	$ 35.47
572	27-Jul-09	1	8	$ 12.94	No	$ 48.87	$ 35.93
573	27-Jul-09	1	9	$ 1.09	No	$ 48.87	$ 47.78
574	27-Jul-09	1	10	$ 1.10	No	$ 48.87	$ 47.77
575	27-Jul-09	1	11	$ 1.10	No	$ 48.87	$ 47.77
576	27-Jul-09	1	12	$ -	No	$ 48.87	$ 48.87
577	27-Jul-09	2	1	$ 11.34	No	$ 48.87	$ 37.53
578	27-Jul-09	17	4	$ 39.96	Yes	$ 57.87	$ 17.91
579	27-Jul-09	17	5	$ 39.96	Yes	$ 57.87	$ 17.91
580	27-Jul-09	17	6	$ 40.34	Yes	$ 57.87	$ 17.53
581	27-Jul-09	17	7	$ 40.33	Yes	$ 57.87	$ 17.54
582	27-Jul-09	17	8	$ 40.33	Yes	$ 57.87	$ 17.54
583	27-Jul-09	17	9	$ 40.54	Yes	$ 57.87	$ 17.33
584	27-Jul-09	17	10	$ 40.04	Yes	$ 57.87	$ 17.83

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
585	27-Jul-09	17	11	$ 40.74	Yes	$ 57.87	$ 17.13
586	27-Jul-09	17	12	$ 40.73	Yes	$ 57.87	$ 17.14
587	27-Jul-09	18	1	$ 54.25	Yes	$ 57.87	$ 3.62
588	27-Jul-09	18	2	$ 138.24	Yes	$ 57.87	$ (80.37)
589	27-Jul-09	18	3	$ 45.50	Yes	$ 57.87	$ 12.37
590	27-Jul-09	18	4	$ 44.81	Yes	$ 57.87	$ 13.06
591	27-Jul-09	18	5	$ 45.54	Yes	$ 57.87	$ 12.33
592	27-Jul-09	18	6	$ 44.39	Yes	$ 57.87	$ 13.48
593	27-Jul-09	18	7	$ 47.11	Yes	$ 57.87	$ 10.76
594	27-Jul-09	18	8	$ 45.77	Yes	$ 57.87	$ 12.10
595	27-Jul-09	18	9	$ 46.07	Yes	$ 57.87	$ 11.80
596	27-Jul-09	18	10	$ 45.73	Yes	$ 57.87	$ 12.14
597	27-Jul-09	18	11	$ 43.98	Yes	$ 57.87	$ 13.89
598	27-Jul-09	18	12	$ 41.04	Yes	$ 57.87	$ 16.83
599	27-Jul-09	19	1	$ 41.00	Yes	$ 57.87	$ 16.87
600	27-Jul-09	19	2	$ 40.92	Yes	$ 57.87	$ 16.95
601	27-Jul-09	19	3	$ 41.00	Yes	$ 57.87	$ 16.87
602	27-Jul-09	19	4	$ 40.75	Yes	$ 57.87	$ 17.12
603	27-Jul-09	19	5	$ 39.83	Yes	$ 57.87	$ 18.04
604	27-Jul-09	19	6	$ 39.83	Yes	$ 57.87	$ 18.04
605	27-Jul-09	19	7	$ 39.72	Yes	$ 57.87	$ 18.15
606	27-Jul-09	19	8	$ 39.96	Yes	$ 57.87	$ 17.91
607	27-Jul-09	19	9	$ 39.96	Yes	$ 57.87	$ 17.91
608	27-Jul-09	19	10	$ 39.86	Yes	$ 57.87	$ 18.01
609	27-Jul-09	19	11	$ 39.62	Yes	$ 57.87	$ 18.25
610	27-Jul-09	19	12	$ 39.18	Yes	$ 57.87	$ 18.69
611	28-Jul-09	1	9	$ 28.24	No	$ 44.44	$ 16.20
612	28-Jul-09	1	10	$ 26.39	No	$ 44.44	$ 18.05
613	28-Jul-09	1	11	$ 26.03	No	$ 44.44	$ 18.41
614	28-Jul-09	1	12	$ 25.78	No	$ 44.44	$ 18.66
615	28-Jul-09	2	1	$ 27.68	No	$ 44.44	$ 16.76
616	28-Jul-09	2	2	$ 27.68	No	$ 44.44	$ 16.76
617	28-Jul-09	2	3	$ 27.68	No	$ 44.44	$ 16.76
618	28-Jul-09	2	4	$ 27.41	No	$ 44.44	$ 17.03
619	28-Jul-09	2	5	$ 26.39	No	$ 44.44	$ 18.05
620	28-Jul-09	2	6	$ 25.42	No	$ 44.44	$ 19.02
621	28-Jul-09	2	7	$ 29.81	No	$ 44.44	$ 14.63

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
622	28-Jul-09	2	8	$ 28.82	No	$ 44.44	$ 15.62
623	28-Jul-09	2	9	$ 27.25	No	$ 44.44	$ 17.19
624	28-Jul-09	2	10	$ 14.32	No	$ 44.44	$ 30.12
625	28-Jul-09	2	11	$ 23.17	No	$ 44.44	$ 21.27
626	28-Jul-09	2	12	$ 24.27	No	$ 44.44	$ 20.17
627	28-Jul-09	19	1	$ 38.55	Yes	$ 52.59	$ 14.04
628	28-Jul-09	19	2	$ 41.44	Yes	$ 52.59	$ 11.15
629	28-Jul-09	19	3	$ 37.89	Yes	$ 52.59	$ 14.70
630	28-Jul-09	19	4	$ 37.84	Yes	$ 52.59	$ 14.75
631	28-Jul-09	19	5	$ 38.51	Yes	$ 52.59	$ 14.08
632	28-Jul-09	19	6	$ 38.51	Yes	$ 52.59	$ 14.08
633	28-Jul-09	19	7	$ 34.34	Yes	$ 52.59	$ 18.25
634	28-Jul-09	19	8	$ 34.34	Yes	$ 52.59	$ 18.25
635	28-Jul-09	19	9	$ 34.14	Yes	$ 52.59	$ 18.45
636	28-Jul-09	19	10	$ 32.84	Yes	$ 52.59	$ 19.75
637	28-Jul-09	19	11	$ 31.71	Yes	$ 52.59	$ 20.88
638	28-Jul-09	19	12	$ 31.29	Yes	$ 52.59	$ 21.30
639	28-Jul-09	20	1	$ 32.99	Yes	$ 52.59	$ 19.60
640	28-Jul-09	20	2	$ 33.76	Yes	$ 52.59	$ 18.83
641	28-Jul-09	20	3	$ 36.18	Yes	$ 52.59	$ 16.41
642	28-Jul-09	20	4	$ 36.49	Yes	$ 52.59	$ 16.10
643	28-Jul-09	20	5	$ 36.49	Yes	$ 52.59	$ 16.10
644	28-Jul-09	20	6	$ 34.44	Yes	$ 52.59	$ 18.15
645	28-Jul-09	20	7	$ 34.41	Yes	$ 52.59	$ 18.18
646	28-Jul-09	20	8	$ 33.76	Yes	$ 52.59	$ 18.83
647	28-Jul-09	20	9	$ 31.05	Yes	$ 52.59	$ 21.54
648	28-Jul-09	20	10	$ 31.09	Yes	$ 52.59	$ 21.50
649	28-Jul-09	20	11	$ 31.12	Yes	$ 52.59	$ 21.47
650	28-Jul-09	20	12	$ 30.46	Yes	$ 52.59	$ 22.13
651	28-Jul-09	21	1	$ 33.65	Yes	$ 52.59	$ 18.94
652	28-Jul-09	21	2	$ 34.06	Yes	$ 52.59	$ 18.53
653	28-Jul-09	21	3	$ 34.06	Yes	$ 52.59	$ 18.53
654	28-Jul-09	21	4	$ 35.11	Yes	$ 52.59	$ 17.48
655	28-Jul-09	21	5	$ 35.95	Yes	$ 52.59	$ 16.64
656	28-Jul-09	21	6	$ 36.46	Yes	$ 52.59	$ 16.13
657	28-Jul-09	21	7	$ 35.08	Yes	$ 52.59	$ 17.51
658	28-Jul-09	21	8	$ 34.08	Yes	$ 52.59	$ 18.51

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
659	28-Jul-09	21	9	$ 34.00	Yes	$ 52.59	$ 18.59
660	28-Jul-09	21	10	$ 34.82	Yes	$ 52.59	$ 17.77
661	28-Jul-09	21	11	$ 36.16	Yes	$ 52.59	$ 16.43
662	28-Jul-09	21	12	$ 34.19	Yes	$ 52.59	$ 18.40
663	28-Jul-09	22	1	$ 39.43	Yes	$ 52.59	$ 13.16
664	28-Jul-09	22	2	$ 39.43	Yes	$ 52.59	$ 13.16
665	28-Jul-09	22	3	$ 36.20	Yes	$ 52.59	$ 16.39
666	28-Jul-09	22	4	$ 36.20	Yes	$ 52.59	$ 16.39
667	28-Jul-09	22	5	$ 36.71	Yes	$ 52.59	$ 15.88
668	28-Jul-09	22	6	$ 33.12	Yes	$ 52.59	$ 19.47
669	28-Jul-09	22	7	$ 29.08	Yes	$ 52.59	$ 23.51
670	29-Jul-09	6	12	$ 32.77	No	$ 44.44	$ 11.67
671	29-Jul-09	7	1	$ 25.98	No	$ 44.44	$ 18.46
672	29-Jul-09	7	2	$ 22.82	No	$ 44.44	$ 21.62
673	29-Jul-09	7	3	$ (33.09)	No	$ 44.44	$ 77.53
674	29-Jul-09	7	4	$ 12.55	No	$ 44.44	$ 31.89
675	29-Jul-09	7	5	$ 15.99	No	$ 44.44	$ 28.45
676	29-Jul-09	7	6	$ 20.18	No	$ 44.44	$ 24.26
677	29-Jul-09	7	7	$ 17.23	No	$ 44.44	$ 27.21
678	29-Jul-09	7	8	$ 19.69	No	$ 44.44	$ 24.75
679	29-Jul-09	7	9	$ 22.88	No	$ 44.44	$ 21.56
680	29-Jul-09	7	10	$ 27.15	No	$ 44.44	$ 17.29
681	29-Jul-09	7	11	$ 28.56	No	$ 44.44	$ 15.88
682	29-Jul-09	7	12	$ 29.42	No	$ 44.44	$ 15.02

Table 9: Price Impact analysis information for pricing node B in SCE LAP

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	LMP_Calc	Change in LMP
1	19-Jul-09	12	1	$ 37.60	Yes	$ 41.27	$ 3.67
2	19-Jul-09	12	2	$ 37.60	Yes	$ 41.27	$ 3.67
3	19-Jul-09	12	3	$ 37.60	Yes	$ 41.27	$ 3.67
4	19-Jul-09	12	4	$ 37.71	Yes	$ 43.76	$ 6.05
5	19-Jul-09	12	5	$ 37.73	Yes	$ 43.76	$ 6.03
6	19-Jul-09	12	6	$ 37.76	Yes	$ 43.76	$ 6.00

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	LMP_Calc	Change in LMP
7	19-Jul-09	12	7	$ 39.60	Yes	$ 43.76	$ 4.16
8	19-Jul-09	12	8	$ 38.12	Yes	$ 43.76	$ 5.64
9	19-Jul-09	12	9	$ 39.60	Yes	$ 43.76	$ 4.16
10	19-Jul-09	12	10	$ 39.53	Yes	$ 43.76	$ 4.23
11	19-Jul-09	12	11	$ 40.16	Yes	$ 43.76	$ 3.60
12	19-Jul-09	12	12	$ 40.68	Yes	$ 43.76	$ 3.08
13	19-Jul-09	13	1	$ 39.13	Yes	$ 43.76	$ 4.63
14	19-Jul-09	13	2	$ 40.68	Yes	$ 43.76	$ 3.08
15	19-Jul-09	13	3	$ 39.58	Yes	$ 43.76	$ 4.18
16	19-Jul-09	13	4	$ 39.74	Yes	$ 43.76	$ 4.02
17	19-Jul-09	13	5	$ 39.95	Yes	$ 43.76	$ 3.81
18	19-Jul-09	13	6	$ 42.33	Yes	$ 43.76	$ 1.43
19	19-Jul-09	13	7	$ 41.80	Yes	$ 43.76	$ 1.96
20	19-Jul-09	13	8	$ 42.37	Yes	$ 43.76	$ 1.39
21	19-Jul-09	13	9	$ 46.95	Yes	$ 43.76	$ (3.19)
22	19-Jul-09	13	10	$ 44.68	Yes	$ 43.76	$ (0.92)
23	19-Jul-09	13	11	$ 44.54	Yes	$ 43.76	$ (0.78)
24	19-Jul-09	13	12	$ 46.62	Yes	$ 43.76	$ (2.86)
25	19-Jul-09	14	1	$ 44.14	Yes	$ 43.76	$ (0.38)
26	19-Jul-09	14	2	$ 41.15	Yes	$ 43.76	$ 2.61
27	19-Jul-09	14	3	$ 40.74	Yes	$ 43.76	$ 3.02
28	19-Jul-09	14	4	$ 43.03	Yes	$ 43.76	$ 0.73
29	19-Jul-09	14	5	$ 43.74	Yes	$ 43.76	$ 0.02
30	19-Jul-09	14	6	$ 51.80	Yes	$ 43.76	$ (8.04)
31	19-Jul-09	14	7	$ 50.69	Yes	$ 43.76	$ (6.93)
32	19-Jul-09	14	8	$ 51.98	Yes	$ 43.76	$ (8.22)
33	19-Jul-09	14	9	$ 53.91	Yes	$ 43.76	$ (10.15)
34	19-Jul-09	14	10	$ 51.37	Yes	$ 43.76	$ (7.61)
35	19-Jul-09	14	11	$ 51.93	Yes	$ 43.76	$ (8.17)
36	19-Jul-09	14	12	$ 62.18	Yes	$ 43.76	$ (18.42)
37	19-Jul-09	15	1	$ 48.22	Yes	$ 48.76	$ 0.54
38	19-Jul-09	15	2	$ 46.67	Yes	$ 48.76	$ 2.09
39	19-Jul-09	15	3	$ 51.94	Yes	$ 48.76	$ (3.18)
40	19-Jul-09	15	4	$ 54.55	Yes	$ 55.38	$ 0.83
41	19-Jul-09	15	5	$ 54.55	Yes	$ 55.38	$ 0.83
42	19-Jul-09	15	6	$ 57.21	Yes	$ 55.38	$ (1.83)

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	LMP_Calc	Change in LMP
43	19-Jul-09	15	7	$ 91.10	Yes	$ 55.38	$ (35.72)
44	19-Jul-09	15	8	$ 505.22	Yes	$ 55.38	$ (449.84)
45	19-Jul-09	15	9	$ 66.57	Yes	$ 55.38	$ (11.19)
46	19-Jul-09	15	10	$ 63.15	Yes	$ 55.38	$ (7.77)
47	19-Jul-09	15	11	$ 66.42	Yes	$ 55.38	$ (11.04)
48	19-Jul-09	15	12	$ 63.91	Yes	$ 55.38	$ (8.53)
49	19-Jul-09	16	1	$ 67.62	Yes	$ 55.38	$ (12.24)
50	19-Jul-09	16	2	$ 67.62	Yes	$ 55.38	$ (12.24)
51	19-Jul-09	16	3	$ 63.79	Yes	$ 55.38	$ (8.41)
52	19-Jul-09	16	4	$ 68.43	Yes	$ 55.38	$ (13.05)
53	19-Jul-09	16	5	$ 68.43	Yes	$ 55.38	$ (13.05)
54	19-Jul-09	16	6	$ 70.06	Yes	$ 55.38	$ (14.68)
55	19-Jul-09	16	7	$ 70.62	Yes	$ 55.38	$ (15.24)
56	19-Jul-09	16	8	$ 101.05	Yes	$ 55.38	$ (45.67)
57	19-Jul-09	16	9	$ 73.07	Yes	$ 55.38	$ (17.69)
58	19-Jul-09	16	10	$ 113.13	Yes	$ 55.38	$ (57.75)
59	19-Jul-09	16	11	$ 101.07	Yes	$ 55.38	$ (45.69)
60	19-Jul-09	16	12	$ 55.73	Yes	$ 55.38	$ (0.35)
61	19-Jul-09	17	1	$ 76.52	Yes	$ 55.38	$ (21.14)
62	19-Jul-09	17	2	$ 67.98	Yes	$ 55.38	$ (12.60)
63	19-Jul-09	17	3	$ 66.70	Yes	$ 55.38	$ (11.32)
64	19-Jul-09	17	4	$ 66.76	Yes	$ 55.38	$ (11.38)
65	19-Jul-09	17	5	$ 65.74	Yes	$ 55.38	$ (10.36)
66	19-Jul-09	17	6	$ 62.70	Yes	$ 55.38	$ (7.32)
67	19-Jul-09	17	7	$ 60.57	Yes	$ 55.38	$ (5.19)
68	19-Jul-09	17	8	$ 62.67	Yes	$ 55.38	$ (7.29)
69	19-Jul-09	17	9	$ 58.82	Yes	$ 55.38	$ (3.44)
70	19-Jul-09	17	10	$ 63.20	Yes	$ 55.38	$ (7.82)
71	19-Jul-09	17	11	$ 62.67	Yes	$ 55.38	$ (7.29)
72	19-Jul-09	17	12	$ 62.61	Yes	$ 55.38	$ (7.23)
73	19-Jul-09	18	1	$ 68.75	Yes	$ 55.38	$ (13.37)
74	19-Jul-09	18	2	$ 73.80	Yes	$ 55.38	$ (18.42)
75	19-Jul-09	18	3	$ 61.68	Yes	$ 55.38	$ (6.30)
76	19-Jul-09	18	4	$ 42.85	Yes	$ 55.38	$ 12.53
77	19-Jul-09	18	5	$ 47.45	Yes	$ 55.38	$ 7.93
78	19-Jul-09	18	6	$ 41.15	Yes	$ 55.38	$ 14.23

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	LMP_Calc	Change in LMP
79	19-Jul-09	18	7	$ 39.44	Yes	$ 55.38	$ 15.94
80	19-Jul-09	18	8	$ 41.34	Yes	$ 55.38	$ 14.04
81	19-Jul-09	18	9	$ 40.85	Yes	$ 55.38	$ 14.53
82	19-Jul-09	18	10	$ 52.62	Yes	$ 55.38	$ 2.76
83	19-Jul-09	18	10	$ 52.62	Yes	$ 66.95	$ 14.33
84	19-Jul-09	18	11	$ 52.62	Yes	$ 66.95	$ 14.33
85	19-Jul-09	18	11	$ 52.62	Yes	$ 55.38	$ 2.76
86	19-Jul-09	18	12	$ 68.03	Yes	$ 55.38	$ (12.65)
87	19-Jul-09	19	1	$ 56.74	Yes	$ 49.38	$ (7.36)
88	19-Jul-09	19	2	$ 68.03	Yes	$ 49.38	$ (18.65)
89	19-Jul-09	19	3	$ 54.65	Yes	$ 49.38	$ (5.27)
90	19-Jul-09	19	4	$ 51.26	Yes	$ 49.38	$ (1.88)
91	19-Jul-09	19	5	$ 53.72	Yes	$ 49.38	$ (4.34)
92	19-Jul-09	19	6	$ 50.41	Yes	$ 49.38	$ (1.03)
93	19-Jul-09	19	7	$ 48.50	Yes	$ 49.38	$ 0.88
94	19-Jul-09	19	8	$ 46.10	Yes	$ 49.38	$ 3.28
95	19-Jul-09	19	9	$ 44.80	Yes	$ 49.38	$ 4.58
96	19-Jul-09	19	10	$ 38.06	Yes	$ 49.38	$ 11.32
97	19-Jul-09	19	11	$ 39.00	Yes	$ 49.38	$ 10.38
98	19-Jul-09	19	12	$ 37.42	Yes	$ 49.38	$ 11.96
99	19-Jul-09	20	1	$ 38.59	Yes	$ 49.38	$ 10.79
100	19-Jul-09	20	2	$ 38.57	Yes	$ 49.38	$ 10.81
101	19-Jul-09	20	3	$ 37.63	Yes	$ 49.38	$ 11.75
102	19-Jul-09	20	4	$ 38.55	Yes	$ 49.38	$ 10.83
103	19-Jul-09	20	5	$ 38.55	Yes	$ 49.38	$ 10.83
104	19-Jul-09	20	6	$ 37.47	Yes	$ 49.38	$ 11.91
105	19-Jul-09	20	7	$ 38.00	Yes	$ 49.38	$ 11.38
106	19-Jul-09	20	8	$ 37.59	Yes	$ 49.38	$ 11.79
107	19-Jul-09	20	9	$ 36.71	Yes	$ 49.38	$ 12.67
108	19-Jul-09	20	10	$ 36.12	Yes	$ 49.38	$ 13.26
109	19-Jul-09	20	11	$ 35.93	Yes	$ 49.38	$ 13.45
110	19-Jul-09	20	12	$ 33.66	Yes	$ 49.38	$ 15.72
111	19-Jul-09	21	1	$ 38.31	Yes	$ 49.38	$ 11.07
112	19-Jul-09	21	2	$ 38.91	Yes	$ 49.38	$ 10.47
113	19-Jul-09	21	3	$ 38.68	Yes	$ 49.38	$ 10.70
114	19-Jul-09	21	4	$ 38.97	Yes	$ 49.38	$ 10.41

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	LMP_Calc	Change in LMP
115	19-Jul-09	21	5	$ 43.87	Yes	$ 49.38	$ 5.51
116	19-Jul-09	21	6	$ 42.62	Yes	$ 49.38	$ 6.76
117	19-Jul-09	21	7	$ 41.72	Yes	$ 49.38	$ 7.66
118	19-Jul-09	21	8	$ 41.45	Yes	$ 49.38	$ 7.93
119	19-Jul-09	21	9	$ 40.70	Yes	$ 49.38	$ 8.68
120	19-Jul-09	21	10	$ 39.97	Yes	$ 49.38	$ 9.41
121	19-Jul-09	21	11	$ 39.20	Yes	$ 49.38	$ 10.18
122	19-Jul-09	21	12	$ 41.27	Yes	$ 49.38	$ 8.11
123	19-Jul-09	22	1	$ 42.24	Yes	$ 49.38	$ 7.14
124	19-Jul-09	22	2	$ 41.43	Yes	$ 49.38	$ 7.95
125	19-Jul-09	22	3	$ 39.05	Yes	$ 49.38	$ 10.33
126	19-Jul-09	22	4	$ 39.10	Yes	$ 49.38	$ 10.28
127	19-Jul-09	22	5	$ 39.02	Yes	$ 49.38	$ 10.36
128	19-Jul-09	22	6	$ 38.63	Yes	$ 49.38	$ 10.75
129	19-Jul-09	22	7	$ 38.99	Yes	$ 46.76	$ 7.77
130	19-Jul-09	22	8	$ 38.40	Yes	$ 46.76	$ 8.36
131	19-Jul-09	22	9	$ 37.94	Yes	$ 46.76	$ 8.82
132	19-Jul-09	22	10	$ 37.34	Yes	$ 46.76	$ 9.42
133	19-Jul-09	22	11	$ 37.21	Yes	$ 46.76	$ 9.55
134	19-Jul-09	22	12	$ 34.30	Yes	$ 46.76	$ 12.46
135	19-Jul-09	23	1	$ 40.96	Yes	$ 46.76	$ 5.80
136	19-Jul-09	23	2	$ 39.33	Yes	$ 46.76	$ 7.43
137	19-Jul-09	23	3	$ 35.84	Yes	$ 46.76	$ 10.92
138	19-Jul-09	23	4	$ 34.16	Yes	$ 46.76	$ 12.60
139	19-Jul-09	23	5	$ 35.10	Yes	$ 46.76	$ 11.66
140	19-Jul-09	23	6	$ 35.09	Yes	$ 46.76	$ 11.67
141	19-Jul-09	23	7	$ 33.91	Yes	$ 46.76	$ 12.85
142	19-Jul-09	23	8	$ 31.78	Yes	$ 46.76	$ 14.98
143	19-Jul-09	23	9	$ 29.72	Yes	$ 46.76	$ 17.04
144	19-Jul-09	23	10	$ 29.55	Yes	$ 46.76	$ 17.21
145	19-Jul-09	23	11	$ 29.38	Yes	$ 46.76	$ 17.38
146	19-Jul-09	23	12	$ 27.57	Yes	$ 46.76	$ 19.19
147	19-Jul-09	24	1	$ 35.55	Yes	$ 46.76	$ 11.21
148	19-Jul-09	24	2	$ 34.91	Yes	$ 46.76	$ 11.85
149	19-Jul-09	24	3	$ 34.94	Yes	$ 46.76	$ 11.82
150	19-Jul-09	24	4	$ 34.13	Yes	$ 46.76	$ 12.63

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	LMP_Calc	Change in LMP
151	19-Jul-09	24	5	$ 34.17	Yes	$ 46.76	$ 12.59
152	19-Jul-09	24	6	$ 33.75	Yes	$ 46.76	$ 13.01
153	19-Jul-09	24	7	$ 30.76	Yes	$ 46.76	$ 16.00
154	19-Jul-09	24	8	$ 29.28	Yes	$ 46.76	$ 17.48
155	19-Jul-09	24	9	$ 29.15	Yes	$ 46.76	$ 17.61
156	19-Jul-09	24	10	$ 27.49	Yes	$ 46.76	$ 19.27
157	19-Jul-09	24	11	$ 26.68	Yes	$ 46.76	$ 20.08
158	19-Jul-09	24	12	$ 25.24	Yes	$ 46.76	$ 21.52
159	20-Jul-09	13	11	$ 50.67	Yes	$ 56.08	$ 5.41
160	20-Jul-09	13	12	$ 46.31	Yes	$ 56.08	$ 9.77
161	20-Jul-09	14	1	$ 38.75	Yes	$ 55.84	$ 17.09
162	20-Jul-09	14	2	$ 36.33	Yes	$ 55.84	$ 19.51
163	20-Jul-09	14	3	$ 35.46	Yes	$ 55.84	$ 20.38
164	20-Jul-09	14	4	$ 37.75	Yes	$ 55.84	$ 18.09
165	20-Jul-09	14	5	$ 36.93	Yes	$ 55.84	$ 18.91
166	20-Jul-09	14	6	$ 37.75	Yes	$ 55.84	$ 18.09
167	20-Jul-09	14	7	$ 37.27	Yes	$ 55.84	$ 18.57
168	20-Jul-09	14	8	$ 37.47	Yes	$ 55.84	$ 18.37
169	20-Jul-09	14	9	$ 46.10	Yes	$ 55.84	$ 9.74
170	20-Jul-09	14	10	$ 38.61	Yes	$ 55.84	$ 17.23
171	20-Jul-09	14	11	$ 39.82	Yes	$ 55.84	$ 16.02
172	20-Jul-09	14	12	$ 39.28	Yes	$ 55.84	$ 16.56
173	20-Jul-09	15	1	$ 37.83	Yes	$ 50.28	$ 12.45
174	20-Jul-09	15	2	$ 38.09	Yes	$ 50.28	$ 12.19
175	20-Jul-09	15	3	$ 38.56	Yes	$ 50.28	$ 11.72
176	20-Jul-09	15	4	$ 40.89	Yes	$ 50.28	$ 9.39
177	20-Jul-09	15	5	$ 39.53	Yes	$ 50.28	$ 10.75
178	20-Jul-09	15	6	$ 43.79	Yes	$ 50.28	$ 6.49
179	20-Jul-09	15	7	$ 38.79	Yes	$ 50.28	$ 11.49
180	20-Jul-09	15	8	$ 40.13	Yes	$ 50.28	$ 10.15
181	20-Jul-09	15	9	$ 44.08	Yes	$ 50.28	$ 6.20
182	20-Jul-09	15	10	$ 39.84	Yes	$ 50.28	$ 10.44
183	20-Jul-09	15	11	$ 40.37	Yes	$ 50.28	$ 9.91
184	20-Jul-09	15	12	$ 45.20	Yes	$ 50.28	$ 5.08
185	20-Jul-09	16	1	$ 39.72	Yes	$ 50.28	$ 10.56
186	20-Jul-09	16	2	$ 45.20	Yes	$ 50.28	$ 5.08

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	LMP_Calc	Change in LMP
187	20-Jul-09	16	3	$ 45.39	Yes	$ 50.28	$ 4.89
188	20-Jul-09	16	4	$ 38.38	Yes	$ 50.28	$ 11.90
189	20-Jul-09	16	5	$ 48.46	Yes	$ 50.28	$ 1.82
190	20-Jul-09	16	6	$ 36.64	Yes	$ 50.28	$ 13.64
191	20-Jul-09	16	7	$ 50.74	Yes	$ 50.28	$ (0.46)
192	20-Jul-09	16	8	$ 43.95	Yes	$ 50.28	$ 6.33
193	20-Jul-09	16	9	$ 45.14	Yes	$ 50.28	$ 5.14
194	20-Jul-09	16	10	$ 46.59	Yes	$ 50.28	$ 3.69
195	20-Jul-09	16	11	$ 41.57	Yes	$ 50.28	$ 8.71
196	20-Jul-09	16	12	$ 37.08	Yes	$ 50.28	$ 13.20
197	20-Jul-09	17	1	$ 37.97	Yes	$ 50.28	$ 12.31
198	20-Jul-09	17	2	$ 32.69	Yes	$ 50.28	$ 17.59
199	20-Jul-09	17	3	$ 32.73	Yes	$ 50.28	$ 17.55
200	20-Jul-09	17	4	$ 38.38	Yes	$ 50.28	$ 11.90
201	20-Jul-09	17	5	$ 38.84	Yes	$ 50.28	$ 11.44
202	20-Jul-09	17	6	$ 37.77	Yes	$ 50.28	$ 12.51
203	20-Jul-09	17	7	$ 32.81	Yes	$ 50.28	$ 17.47
204	20-Jul-09	17	8	$ 35.06	Yes	$ 50.28	$ 15.22
205	20-Jul-09	17	9	$ 35.26	Yes	$ 50.28	$ 15.02
206	20-Jul-09	17	10	$ 35.96	Yes	$ 50.28	$ 14.32
207	20-Jul-09	17	11	$ 38.35	Yes	$ 50.28	$ 11.93
208	20-Jul-09	17	12	$ 38.33	Yes	$ 50.28	$ 11.95
209	20-Jul-09	18	1	$ 39.27	Yes	$ 55.84	$ 16.57
210	20-Jul-09	18	2	$ 39.31	Yes	$ 55.84	$ 16.53
211	20-Jul-09	18	3	$ 39.16	Yes	$ 55.84	$ 16.68
212	20-Jul-09	18	4	$ 38.72	Yes	$ 55.84	$ 17.12
213	20-Jul-09	18	5	$ 38.72	Yes	$ 55.84	$ 17.12
214	20-Jul-09	18	6	$ 38.44	Yes	$ 55.84	$ 17.40
215	20-Jul-09	18	7	$ 38.36	Yes	$ 55.84	$ 17.48
216	20-Jul-09	18	8	$ 37.92	Yes	$ 55.84	$ 17.92
217	20-Jul-09	18	9	$ 37.68	Yes	$ 55.84	$ 18.16
218	20-Jul-09	18	10	$ 37.53	Yes	$ 55.84	$ 18.31
219	20-Jul-09	18	11	$ 37.53	Yes	$ 55.84	$ 18.31
220	20-Jul-09	18	12	$ 37.31	Yes	$ 55.84	$ 18.53
221	20-Jul-09	19	1	$ 38.43	Yes	$ 56.08	$ 17.65
222	20-Jul-09	19	2	$ 38.86	Yes	$ 56.08	$ 17.22

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	LMP_Calc	Change in LMP
223	20-Jul-09	19	3	$ 37.97	Yes	$ 56.08	$ 18.11
224	20-Jul-09	19	4	$ 37.52	Yes	$ 56.08	$ 18.56
225	20-Jul-09	19	5	$ 37.53	Yes	$ 56.08	$ 18.55
226	20-Jul-09	19	6	$ 37.53	Yes	$ 56.08	$ 18.55
227	20-Jul-09	19	7	$ 37.39	Yes	$ 56.08	$ 18.69
228	20-Jul-09	19	8	$ 37.31	Yes	$ 56.08	$ 18.77
229	20-Jul-09	19	9	$ 37.31	Yes	$ 56.08	$ 18.77
230	20-Jul-09	19	10	$ 36.31	Yes	$ 56.08	$ 19.77
231	20-Jul-09	19	11	$ 35.60	Yes	$ 56.08	$ 20.48
232	20-Jul-09	19	12	$ 33.09	Yes	$ 56.08	$ 22.99
233	20-Jul-09	20	1	$ 37.35	Yes	$ 56.08	$ 18.73
234	20-Jul-09	20	2	$ 37.86	Yes	$ 56.08	$ 18.22
235	20-Jul-09	20	3	$ 37.07	Yes	$ 56.08	$ 19.01
236	20-Jul-09	20	4	$ 37.06	Yes	$ 56.08	$ 19.02
237	20-Jul-09	20	5	$ 37.64	Yes	$ 56.08	$ 18.44
238	20-Jul-09	20	6	$ 37.54	Yes	$ 56.08	$ 18.54
239	20-Jul-09	20	7	$ 36.67	Yes	$ 56.08	$ 19.41
240	20-Jul-09	20	8	$ 36.67	Yes	$ 56.08	$ 19.41
241	20-Jul-09	20	9	$ 36.18	Yes	$ 56.08	$ 19.90
242	20-Jul-09	20	10	$ 36.15	Yes	$ 56.08	$ 19.93
243	20-Jul-09	20	11	$ 35.96	Yes	$ 56.08	$ 20.12
244	20-Jul-09	20	12	$ 35.02	Yes	$ 56.08	$ 21.06
245	21-Jul-09	13	9	$ 38.80	Yes	$ 56.08	$ 17.28
246	21-Jul-09	13	10	$ 39.14	Yes	$ 56.08	$ 16.94
247	21-Jul-09	13	11	$ 39.26	Yes	$ 56.08	$ 16.82
248	21-Jul-09	13	12	$ 39.81	Yes	$ 56.08	$ 16.27
249	21-Jul-09	14	1	$ 37.90	Yes	$ 55.77	$ 17.87
250	21-Jul-09	14	2	$ 37.14	Yes	$ 55.77	$ 18.63
251	21-Jul-09	14	3	$ 37.28	Yes	$ 55.77	$ 18.49
252	21-Jul-09	14	4	$ 37.44	Yes	$ 55.77	$ 18.33
253	21-Jul-09	14	5	$ 37.98	Yes	$ 55.77	$ 17.79
254	21-Jul-09	14	6	$ 38.79	Yes	$ 55.77	$ 16.98
255	21-Jul-09	14	7	$ 38.99	Yes	$ 55.77	$ 16.78
256	21-Jul-09	14	8	$ 39.22	Yes	$ 55.77	$ 16.55
257	21-Jul-09	14	9	$ 40.61	Yes	$ 55.77	$ 15.16
258	21-Jul-09	14	10	$ 39.22	Yes	$ 55.77	$ 16.55

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	LMP_Calc	Change in LMP
259	21-Jul-09	14	11	$ 38.97	Yes	$ 55.77	$ 16.80
260	21-Jul-09	14	12	$ 41.06	Yes	$ 55.77	$ 14.71
261	21-Jul-09	15	1	$ 33.64	Yes	$ 55.84	$ 22.20
262	21-Jul-09	15	2	$ 32.78	Yes	$ 55.84	$ 23.06
263	21-Jul-09	15	3	$ 33.80	Yes	$ 55.84	$ 22.04
264	21-Jul-09	15	4	$ 33.78	Yes	$ 55.84	$ 22.06
265	21-Jul-09	15	5	$ 34.91	Yes	$ 55.84	$ 20.93
266	21-Jul-09	15	6	$ 37.16	Yes	$ 55.84	$ 18.68
267	21-Jul-09	15	7	$ 37.02	Yes	$ 55.84	$ 18.82
268	21-Jul-09	15	8	$ 37.65	Yes	$ 55.84	$ 18.19
269	21-Jul-09	15	9	$ 37.65	Yes	$ 55.84	$ 18.19
270	21-Jul-09	15	10	$ 37.65	Yes	$ 55.84	$ 18.19
271	21-Jul-09	15	11	$ 37.57	Yes	$ 55.84	$ 18.27
272	21-Jul-09	15	12	$ 38.39	Yes	$ 55.84	$ 17.45
273	21-Jul-09	16	1	$ 38.46	Yes	$ 55.79	$ 17.33
274	21-Jul-09	16	2	$ 38.18	Yes	$ 55.79	$ 17.61
275	21-Jul-09	16	3	$ 38.39	Yes	$ 55.79	$ 17.40
276	21-Jul-09	16	4	$ 38.39	Yes	$ 55.79	$ 17.40
277	21-Jul-09	16	5	$ 42.40	Yes	$ 55.79	$ 13.39
278	21-Jul-09	16	6	$ 38.60	Yes	$ 55.79	$ 17.19
279	21-Jul-09	16	7	$ 38.84	Yes	$ 55.79	$ 16.95
280	21-Jul-09	16	8	$ 40.65	Yes	$ 55.79	$ 15.14
281	21-Jul-09	16	9	$ 39.41	Yes	$ 55.79	$ 16.38
282	21-Jul-09	16	10	$ 40.63	Yes	$ 55.79	$ 15.16
283	21-Jul-09	16	11	$ 40.35	Yes	$ 55.79	$ 15.44
284	21-Jul-09	16	12	$ 40.86	Yes	$ 55.79	$ 14.93
285	21-Jul-09	17	1	$ 41.71	Yes	$ 55.79	$ 14.08
286	21-Jul-09	17	2	$ 40.07	Yes	$ 55.79	$ 15.72
287	21-Jul-09	17	3	$ 41.82	Yes	$ 55.79	$ 13.97
288	21-Jul-09	17	4	$ 39.87	Yes	$ 55.79	$ 15.92
289	21-Jul-09	17	5	$ 39.77	Yes	$ 55.79	$ 16.02
290	21-Jul-09	17	6	$ 39.22	Yes	$ 55.79	$ 16.57
291	21-Jul-09	17	7	$ 39.60	Yes	$ 55.79	$ 16.19
292	21-Jul-09	17	8	$ 39.25	Yes	$ 55.79	$ 16.54
293	21-Jul-09	17	9	$ 39.38	Yes	$ 55.79	$ 16.41
294	21-Jul-09	17	10	$ 38.98	Yes	$ 55.79	$ 16.81

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	LMP_Calc	Change in LMP
295	21-Jul-09	17	11	$ 38.62	Yes	$ 55.79	$ 17.17
296	21-Jul-09	17	12	$ 34.94	Yes	$ 55.79	$ 20.85
297	21-Jul-09	18	1	$ 38.36	Yes	$ 56.20	$ 17.84
298	21-Jul-09	18	2	$ 38.36	Yes	$ 56.20	$ 17.84
299	21-Jul-09	18	3	$ 38.36	Yes	$ 56.20	$ 17.84
300	21-Jul-09	18	4	$ 38.35	Yes	$ 56.20	$ 17.85
301	21-Jul-09	18	5	$ 38.35	Yes	$ 56.20	$ 17.85
302	21-Jul-09	18	6	$ 38.35	Yes	$ 56.20	$ 17.85
303	21-Jul-09	18	7	$ 38.16	Yes	$ 56.20	$ 18.04
304	21-Jul-09	18	8	$ 37.14	Yes	$ 56.20	$ 19.06
305	21-Jul-09	18	9	$ 37.10	Yes	$ 56.20	$ 19.10
306	21-Jul-09	18	10	$ 36.75	Yes	$ 56.20	$ 19.45
307	21-Jul-09	18	11	$ 36.28	Yes	$ 56.20	$ 19.92
308	21-Jul-09	18	12	$ 34.09	Yes	$ 56.20	$ 22.11
309	21-Jul-09	19	1	$ 37.43	Yes	$ 53.24	$ 15.81
310	21-Jul-09	19	2	$ 37.34	Yes	$ 53.24	$ 15.90
311	21-Jul-09	19	3	$ 35.73	Yes	$ 53.24	$ 17.51
312	21-Jul-09	19	4	$ 36.41	Yes	$ 53.24	$ 16.83
313	21-Jul-09	19	5	$ 36.36	Yes	$ 53.24	$ 16.88
314	21-Jul-09	19	6	$ 35.75	Yes	$ 53.24	$ 17.49
315	21-Jul-09	19	7	$ 35.59	Yes	$ 53.24	$ 17.65
316	21-Jul-09	19	8	$ 34.19	Yes	$ 53.24	$ 19.05
317	21-Jul-09	19	9	$ 34.19	Yes	$ 53.24	$ 19.05
318	21-Jul-09	19	10	$ 34.90	Yes	$ 53.24	$ 18.34
319	21-Jul-09	19	11	$ 34.61	Yes	$ 53.24	$ 18.63
320	21-Jul-09	19	12	$ 32.78	Yes	$ 53.24	$ 20.46
321	21-Jul-09	20	1	$ 37.46	Yes	$ 55.96	$ 18.50
322	21-Jul-09	20	2	$ 35.88	Yes	$ 55.96	$ 20.08
323	21-Jul-09	20	3	$ 32.78	Yes	$ 55.96	$ 23.18
324	21-Jul-09	20	4	$ 33.94	Yes	$ 55.96	$ 22.02
325	21-Jul-09	20	5	$ 33.92	Yes	$ 55.96	$ 22.04
326	21-Jul-09	20	6	$ 37.19	Yes	$ 55.96	$ 18.77
327	21-Jul-09	20	7	$ 36.11	Yes	$ 55.96	$ 19.85
328	21-Jul-09	20	8	$ 36.11	Yes	$ 55.96	$ 19.85
329	21-Jul-09	20	9	$ 36.67	Yes	$ 55.96	$ 19.29
330	21-Jul-09	20	10	$ 36.33	Yes	$ 55.96	$ 19.63

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	LMP_Calc	Change in LMP
331	21-Jul-09	20	11	$ 33.98	Yes	$ 55.96	$ 21.98
332	21-Jul-09	20	12	$ 32.72	Yes	$ 55.96	$ 23.24
333	21-Jul-09	21	1	$ 35.05	Yes	$ 55.96	$ 20.91
334	21-Jul-09	21	2	$ 35.71	Yes	$ 55.96	$ 20.25
335	21-Jul-09	21	3	$ 35.58	Yes	$ 55.96	$ 20.38
336	21-Jul-09	21	4	$ 37.21	Yes	$ 55.96	$ 18.75
337	21-Jul-09	21	5	$ 38.73	Yes	$ 55.96	$ 17.23
338	21-Jul-09	21	6	$ 39.02	Yes	$ 55.96	$ 16.94
339	21-Jul-09	21	7	$ 37.18	Yes	$ 55.96	$ 18.78
340	21-Jul-09	21	8	$ 37.16	Yes	$ 55.96	$ 18.80
341	21-Jul-09	21	9	$ 37.13	Yes	$ 55.96	$ 18.83
342	21-Jul-09	21	10	$ 37.25	Yes	$ 55.96	$ 18.71
343	21-Jul-09	21	11	$ 36.00	Yes	$ 55.96	$ 19.96
344	21-Jul-09	21	12	$ 35.03	Yes	$ 55.96	$ 20.93
345	21-Jul-09	22	1	$ 38.10	Yes	$ 55.96	$ 17.86
346	21-Jul-09	22	2	$ 37.78	Yes	$ 55.96	$ 18.18
347	21-Jul-09	22	3	$ 37.14	Yes	$ 55.96	$ 18.82
348	21-Jul-09	22	4	$ 37.16	Yes	$ 55.96	$ 18.80
349	21-Jul-09	22	5	$ 36.63	Yes	$ 55.96	$ 19.33
350	21-Jul-09	22	6	$ 36.63	Yes	$ 55.96	$ 19.33
351	22-Jul-09	12	1	$ 44.84	Yes	$ 53.11	$ 8.27
352	22-Jul-09	12	2	$ 41.22	Yes	$ 53.11	$ 11.89
353	22-Jul-09	12	3	$ 41.29	Yes	$ 53.11	$ 11.82
354	22-Jul-09	12	4	$ 41.49	Yes	$ 53.11	$ 11.62
355	22-Jul-09	12	5	$ 42.79	Yes	$ 53.11	$ 10.32
356	22-Jul-09	12	6	$ 41.88	Yes	$ 53.11	$ 11.23
357	22-Jul-09	12	7	$ 41.92	Yes	$ 53.11	$ 11.19
358	22-Jul-09	12	8	$ 41.92	Yes	$ 53.11	$ 11.19
359	22-Jul-09	12	9	$ 41.90	Yes	$ 53.11	$ 11.21
360	22-Jul-09	12	10	$ 41.91	Yes	$ 53.11	$ 11.20
361	22-Jul-09	12	11	$ 42.18	Yes	$ 53.11	$ 10.93
362	22-Jul-09	12	12	$ 42.62	Yes	$ 53.11	$ 10.49
363	22-Jul-09	13	1	$ 28.46	Yes	$ 53.11	$ 24.65
364	22-Jul-09	13	2	$ 36.76	Yes	$ 53.11	$ 16.35
365	22-Jul-09	13	3	$ 31.60	Yes	$ 53.11	$ 21.51
366	22-Jul-09	13	4	$ 36.93	Yes	$ 53.11	$ 16.18

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	LMP_Calc	Change in LMP
367	22-Jul-09	13	5	$ 40.95	Yes	$ 53.11	$ 12.16
368	22-Jul-09	13	6	$ 40.57	Yes	$ 53.11	$ 12.54
369	22-Jul-09	13	7	$ 41.28	Yes	$ 53.11	$ 11.83
370	22-Jul-09	13	8	$ 41.84	Yes	$ 53.11	$ 11.27
371	22-Jul-09	13	9	$ 41.31	Yes	$ 53.11	$ 11.80
372	22-Jul-09	13	10	$ 41.54	Yes	$ 53.11	$ 11.57
373	22-Jul-09	13	11	$ 41.90	Yes	$ 53.11	$ 11.21
374	22-Jul-09	13	12	$ 41.95	Yes	$ 53.11	$ 11.16
375	22-Jul-09	14	1	$ 41.37	Yes	$ 53.11	$ 11.74
376	22-Jul-09	14	2	$ 140.14	Yes	$ 53.11	$ (87.03)
377	22-Jul-09	14	3	$ 48.99	Yes	$ 53.11	$ 4.12
378	22-Jul-09	14	4	$ 43.49	Yes	$ 53.11	$ 9.62
379	22-Jul-09	14	5	$ 48.99	Yes	$ 53.11	$ 4.12
380	22-Jul-09	14	6	$ 48.99	Yes	$ 53.11	$ 4.12
381	22-Jul-09	14	7	$ 52.91	Yes	$ 53.11	$ 0.20
382	22-Jul-09	14	8	$ 48.99	Yes	$ 53.11	$ 4.12
383	22-Jul-09	14	9	$ 52.91	Yes	$ 53.11	$ 0.20
384	22-Jul-09	14	10	$ 57.23	Yes	$ 53.11	$ (4.12)
385	22-Jul-09	14	11	$ 58.02	Yes	$ 53.11	$ (4.91)
386	22-Jul-09	14	12	$ 57.41	Yes	$ 53.11	$ (4.30)
387	22-Jul-09	15	1	$ 49.01	Yes	$ 53.11	$ 4.10
388	22-Jul-09	15	2	$ 41.54	Yes	$ 53.11	$ 11.57
389	22-Jul-09	15	3	$ 42.87	Yes	$ 53.11	$ 10.24
390	22-Jul-09	15	4	$ 139.48	Yes	$ 53.11	$ (86.37)
391	22-Jul-09	15	5	$ 44.01	Yes	$ 53.11	$ 9.10
392	22-Jul-09	15	6	$ 57.91	Yes	$ 53.11	$ (4.80)
393	22-Jul-09	15	7	$ 578.87	Yes	$ 53.11	$ (525.76)
394	22-Jul-09	15	8	$ 546.77	Yes	$ 53.11	$ (493.66)
395	22-Jul-09	15	9	$ 546.69	Yes	$ 53.11	$ (493.58)
396	22-Jul-09	15	10	$ 564.50	Yes	$ 53.11	$ (511.39)
397	22-Jul-09	15	11	$ 545.22	Yes	$ 53.11	$ (492.11)
398	22-Jul-09	15	12	$ 559.56	Yes	$ 53.11	$ (506.45)
399	22-Jul-09	16	1	$ 542.02	Yes	$ 50.03	$ (491.99)
400	22-Jul-09	16	2	$ 962.65	Yes	$ 50.03	$ (912.62)
401	22-Jul-09	16	3	$ 816.70	Yes	$ 50.03	$ (766.67)
402	22-Jul-09	16	4	$ 44.44	Yes	$ 50.03	$ 5.59

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	LMP_Calc	Change in LMP
403	22-Jul-09	16	5	$ 41.12	Yes	$ 50.03	$ 8.91
404	22-Jul-09	16	6	$ 41.12	Yes	$ 50.03	$ 8.91
405	22-Jul-09	16	7	$ 40.92	Yes	$ 50.03	$ 9.11
406	22-Jul-09	16	8	$ 41.34	Yes	$ 50.03	$ 8.69
407	22-Jul-09	16	9	$ 40.71	Yes	$ 50.03	$ 9.32
408	22-Jul-09	16	10	$ 41.47	Yes	$ 50.03	$ 8.56
409	22-Jul-09	16	11	$ 53.65	Yes	$ 50.03	$ (3.62)
410	22-Jul-09	16	12	$ 41.49	Yes	$ 50.03	$ 8.54
411	22-Jul-09	17	1	$ 139.13	Yes	$ 49.55	$ (89.58)
412	22-Jul-09	17	2	$ 139.17	Yes	$ 49.55	$ (89.62)
413	22-Jul-09	17	3	$ 139.21	Yes	$ 49.55	$ (89.66)
414	22-Jul-09	17	4	$ 553.80	Yes	$ 49.55	$ (504.25)
415	22-Jul-09	17	5	$ 546.87	Yes	$ 49.55	$ (497.32)
416	22-Jul-09	17	6	$ 139.81	Yes	$ 49.55	$ (90.26)
417	22-Jul-09	17	7	$ 37.75	Yes	$ 49.55	$ 11.80
418	22-Jul-09	17	8	$ 36.68	Yes	$ 49.55	$ 12.87
419	22-Jul-09	17	9	$ 37.75	Yes	$ 49.55	$ 11.80
420	22-Jul-09	17	10	$ 40.25	Yes	$ 49.55	$ 9.30
421	22-Jul-09	17	11	$ 42.49	Yes	$ 49.55	$ 7.06
422	22-Jul-09	17	12	$ 41.28	Yes	$ 49.55	$ 8.27
423	22-Jul-09	18	1	$ 41.91	Yes	$ 49.55	$ 7.64
424	22-Jul-09	18	2	$ 42.64	Yes	$ 49.55	$ 6.91
425	22-Jul-09	18	3	$ 43.22	Yes	$ 49.55	$ 6.33
426	22-Jul-09	18	4	$ 43.56	Yes	$ 49.55	$ 5.99
427	22-Jul-09	18	5	$ 43.37	Yes	$ 49.55	$ 6.18
428	22-Jul-09	18	6	$ 45.68	Yes	$ 49.55	$ 3.87
429	22-Jul-09	18	7	$ 37.43	Yes	$ 49.55	$ 12.12
430	22-Jul-09	18	8	$ 37.33	Yes	$ 49.55	$ 12.22
431	22-Jul-09	18	9	$ 37.92	Yes	$ 49.55	$ 11.63
432	22-Jul-09	18	10	$ 38.69	Yes	$ 49.55	$ 10.86
433	22-Jul-09	18	11	$ 38.06	Yes	$ 49.55	$ 11.49
434	22-Jul-09	18	12	$ 36.63	Yes	$ 49.55	$ 12.92
435	22-Jul-09	19	1	$ 39.12	Yes	$ 49.26	$ 10.14
436	22-Jul-09	19	2	$ 38.14	Yes	$ 49.26	$ 11.12
437	22-Jul-09	19	3	$ 37.77	Yes	$ 49.26	$ 11.49
438	22-Jul-09	19	4	$ 38.44	Yes	$ 49.26	$ 10.82

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	LMP_Calc	Change in LMP
439	22-Jul-09	19	5	$ 38.25	Yes	$ 49.26	$ 11.01
440	22-Jul-09	19	6	$ 38.24	Yes	$ 49.26	$ 11.02
441	22-Jul-09	19	7	$ 37.56	Yes	$ 49.26	$ 11.70
442	22-Jul-09	19	8	$ 37.15	Yes	$ 49.26	$ 12.11
443	22-Jul-09	19	9	$ 36.78	Yes	$ 49.26	$ 12.48
444	22-Jul-09	19	10	$ 37.18	Yes	$ 49.26	$ 12.08
445	22-Jul-09	19	11	$ 37.21	Yes	$ 49.26	$ 12.05
446	22-Jul-09	19	12	$ 35.22	Yes	$ 49.26	$ 14.04
447	22-Jul-09	20	1	$ 37.25	Yes	$ 49.26	$ 12.01
448	22-Jul-09	20	2	$ 36.94	Yes	$ 49.26	$ 12.32
449	22-Jul-09	20	3	$ 36.76	Yes	$ 49.26	$ 12.50
450	22-Jul-09	20	4	$ 37.09	Yes	$ 49.26	$ 12.17
451	22-Jul-09	20	5	$ 37.09	Yes	$ 49.26	$ 12.17
452	22-Jul-09	20	6	$ 37.09	Yes	$ 49.26	$ 12.17
453	22-Jul-09	20	7	$ 36.61	Yes	$ 49.26	$ 12.65
454	22-Jul-09	20	8	$ 36.11	Yes	$ 49.26	$ 13.15
455	22-Jul-09	20	9	$ 35.99	Yes	$ 49.26	$ 13.27
456	22-Jul-09	20	10	$ 35.69	Yes	$ 49.26	$ 13.57
457	22-Jul-09	20	11	$ 35.69	Yes	$ 49.26	$ 13.57
458	22-Jul-09	20	12	$ 35.06	Yes	$ 49.26	$ 14.20
459	22-Jul-09	21	1	$ 35.92	Yes	$ 49.26	$ 13.34
460	22-Jul-09	21	2	$ 36.33	Yes	$ 49.26	$ 12.93
461	22-Jul-09	21	3	$ 36.69	Yes	$ 49.26	$ 12.57
462	22-Jul-09	21	4	$ 37.22	Yes	$ 49.26	$ 12.04
463	22-Jul-09	21	5	$ 38.52	Yes	$ 49.26	$ 10.74
464	22-Jul-09	21	6	$ 38.17	Yes	$ 49.26	$ 11.09
465	22-Jul-09	21	7	$ 38.08	Yes	$ 49.26	$ 11.18
466	22-Jul-09	21	8	$ 37.74	Yes	$ 49.26	$ 11.52
467	22-Jul-09	21	9	$ 37.74	Yes	$ 49.26	$ 11.52
468	22-Jul-09	21	10	$ 37.95	Yes	$ 49.26	$ 11.31
469	22-Jul-09	21	11	$ 37.59	Yes	$ 49.26	$ 11.67
470	22-Jul-09	21	12	$ 35.76	Yes	$ 49.26	$ 13.50