

February 28, 2013

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-____
November 2012 Exceptional Dispatch Report (Chart 2 data)**

Dear Secretary Bose:

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

The attached report provides Chart 2 data for the month of November 2012. The attached Chart 2 report also includes the price impact analysis for the month of November 2012 required by Paragraph 44 of the September 2 Order as well as the degree of mitigation analysis required by ISO tariff section 34.9.4 for the month of November 2012.

Respectfully submitted,

By: /s/ Sidney M. Davies

Nancy Saracino
General Counsel
Roger Collanton
Deputy General Counsel
Sidney M. Davies
Assistant General Counsel
California Independent System
Operator Corporation
250 Outcropping Way
Folsom, CA 95630
Tel: (916) 608-7144
Fax (916) 608-7222
sdavies@casio.com



Exceptional Dispatch Report

Table 2: November 2012

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Introduction

This report is filed pursuant to FERC's September 2, 2009, and May 4, 2010, orders in ER08-1178. These orders require two monthly Exceptional Dispatch reports—one issued on the 15th of each month and one issued on the 30th of each month. This report provides data on the frequency, reasons and costs for Exceptional Dispatches issued in November 2012.

In addition, this report contains a price impact analysis as prescribed by FERC in its September 2 order. The price impact analysis for the month of November is presented in Appendix B. This report also includes the degree of mitigation analysis for November 2012 required by section 34.9.4 of the ISO tariff. As it has previously explained, the ISO indicated that it would start including the degree of mitigation analysis beginning with the month of August 2009 when the more limited Exceptional Dispatch bid mitigation took effect. This analysis will compare those Exceptional Dispatches subject to bid mitigation (i.e. Exceptional Dispatches to address noncompetitive constraints and Delta Dispatch), and determine the cost difference between the Exceptional Dispatch bid mitigation settlement rules and what the settlement amount would have been had the Exceptional Dispatches not been subject to bid mitigation. The Exceptional Dispatch bid mitigation analysis for November is presented in Appendix C.

The Nature of Exceptional Dispatch

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

In November 2012, the ISO issued exceptional dispatches for the following transmission management requirements: (1) 6510, Southern California import transmission (SCIT) nomogram; (2) 7110, transmission facilities in Humboldt area; (3) 7720, Julian Hinds-Mirage 230 kV line overload mitigation & Eagle Mountain bank emergency mitigation; (4) 8710, Hoodoo Wash-N.Gila 500 kV line flow mitigation; and (5) other transmission outages in PG&E, SCE and SDG&E area.

Most of the generation procedures are internal to the ISO and not available publicly on the ISO website; however, all of the transmission procedures are available on the ISO website.¹

The following additional reasons for exceptional dispatch instructions in November 2012 were not related to specific generation or transmission operating procedures: (1) Software Limitation, when an exceptional dispatch instruction was used to bridge schedules across days for resources with a minimum down time of 24 hours, as the ISO software does not handle multi day commitment. For instance, a resource has a day-ahead schedule from 0600 till 2300, and then is shut down in 2400. If this resource had a minimum down time of 24 hours and it is required the following day, then the ISO issues an exceptional dispatch to commit this resource in 2400 so that it can be dispatched economically in the following day. Software limitation reason was also used for exceptional dispatches to manually issue shut down instructions to a resource because of a temporary Automatic Dispatch System (“ADS”) failure, or similar issues; and (2) Market Disruption, when the exceptional dispatch instructions were issued due to HASP failures. There were a few other reasons used to explain exceptional dispatch instructions in November, which are self explanatory.

As mentioned earlier, the data shown in Table 1 is based on a template specified in the September 2009 order.² This table contains all the information published in Table 1 of the first report for November. 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

¹ A list of all of the ISO’s Operating Procedures and all the publicly available Operating Procedures are available at the following link:
<http://www.caiso.com/thegrid/operations/opsdoc/index.html>

² The data in Table 1 is principally SLIC information supplemented with data from the Market Quality System (MQS) and Settlements database. The volume and cost information is based on t+51B Recalculation Statements.

Up Cost; (10) CC6470; (11) ED Volume (MWh INC/DEC); (12) CC6470 INC; (13) CC6470 DEC; (14) CC6482; (15) CC6488; and (16) CC6620. Each column is defined as follows:

- The MW column shows the range of exceptional dispatch instruction in MW for the classification.
- The Commitment column specifies if there was a unit commitment for the classification.
- The INC/DEC/NA column specifies if there was an incremental dispatch (INC), a decremental dispatch (DEC), or only a unit commitment (NA). The Begin Time and End Time columns show the start and end time of exceptional dispatch for the classification respectively.
- The Hours column is the time difference between begin time and end time rounded up to the next hour.
- The total volume column shows the total MWh dispatch quantity dispatched for that classification. This quantity includes the minimum load quantity, the imbalance energy quantity, and the exceptional dispatch quantity.
- The Min-Load Cost column shows eligible minimum load cost for the classification.
- The Start-Up Cost column shows the eligible start up cost for the classification. Please note that the ISO does not explicitly pay resources for its start up and minimum load costs; however, it ensures that resources are compensated adequately through its bid cost recovery process.³
- The CC6470 column shows the total imbalance energy costs for the classification. This cost contains the portion of exceptional dispatch instruction that was settled as optimal energy by virtue of its bid price being less than the LMP in that specific settlement interval.
- The ED Volume MWh (MWh INC/DEC) column shows the incremental or the decremental portion of the real-time exceptional dispatch MWh for the classification. The CC6470-INC shows that portion of incremental exceptional dispatch instruction which is settled at the resource specific LMP.
- The CC6470-DEC column shows that portion of decremental exceptional dispatch instruction which is settled at the resource specific LMP. Both these charge codes are portion of the real-time instructed imbalance energy charge code (6470).⁴
- The CC6482 column shows the real-time excess cost for the classification.⁵

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

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

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

- The CC6488 column shows the real-time exceptional dispatch uplift settlement for the classification.⁶ The CC6620 shows the bid cost recovery payment for the classification. This cost is shown for all pre-day-ahead unit commitments only.

Charge codes 6470, 6470 INC, 6470 DEC, 6482 and 6488 are shown in Table 1 because all these charge codes pertain to real-time exceptional dispatch MWH quantities. The classification of data is further explained by way of example in Attachment A. There is no Capacity Procurement Mechanism (CPM) designation issued on Exceptional Dispatch for November 2012.

⁶ For further details please refer to the BPM configuration Guide: Real Time Exceptional Dispatch Uplift Settlement published on the ISO's website.

Table 1: Exceptional Dispatches in November 2012

**California Independent System Operator Corporation
Exceptional Dispatch Report
February 28, 2013**

Chart 2: Table of Exceptional Dispatches for Period 01/November/2012 - 30/November/2012

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH(INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
1	RT	6510	PG&E	Bay Area	6-Nov-12	45	Yes	INC	24	0:00	23:59	1944.01	\$64,132	\$0	(\$70,847)	\$0	(\$6)	\$0	(\$2)	\$0	\$0
2	RT	6510	SCE	Big Creek-Ventura	5-Nov-12	100	Yes	INC	13	8:30	20:59	1280.73	\$2,563	\$0	(\$60,107)	\$716	(\$39,107)	\$0	\$0	\$0	\$0
3	RT	6510	SCE	Big Creek-Ventura	8-Nov-12	140	Yes	DEC	9	12:55	20:59	-1.36	\$0	\$0	\$30	\$0	\$0	\$0	\$0	\$0	\$0
4	RT	6510	SCE	Big Creek-Ventura	8-Nov-12	30-80	Yes	INC	11	11:36	21:59	701.82	\$21,782	\$0	(\$44,961)	\$487	(\$24,127)	\$0	\$0	\$0	\$0
5	RT	6510	SCE	Big Creek-Ventura	9-Nov-12	50	Yes	INC	18	6:00	23:59	891.80	\$25,626	\$0	(\$32,524)	\$527	(\$22,126)	\$0	(\$2,936)	\$0	\$0
6	RT	6510	SCE	Big Creek-Ventura	10-Nov-12	100	Yes	INC	17	5:20	21:59	864.06	\$0	\$0	(\$47,127)	\$597	(\$33,274)	\$0	\$0	\$0	\$0
7	RT	6510	SCE	Big Creek-Ventura	11-Nov-12	50	Yes	INC	14	5:10	18:49	239.90	\$8,087	\$140	(\$10,116)	\$132	(\$5,728)	\$0	\$0	\$0	\$0
8	RT	6510	SCE	LA Basin	2-Nov-12	42-221	No	DEC	18	4:00	21:59	-	\$0	\$0	\$14,669	\$0	\$0	\$0	\$0	\$0	\$0
9	RT	6510	SCE	LA Basin	2-Nov-12	70-285	No	INC	18	4:00	21:59	2564.43	\$0	\$0	(\$120,058)	\$708	(\$31,428)	\$0	\$0	\$0	\$0
10	RT	6510	SCE	LA Basin	5-Nov-12	30-530	No	DEC	15	7:55	21:59	-	\$0	\$0	\$49,744	\$0	\$0	\$0	\$0	\$0	\$0
11	RT	6510	SCE	LA Basin	5-Nov-12	341	Yes	INC	16	7:55	22:19	3809.09	\$7,744	\$0	(\$365,626)	\$2,685	(\$152,681)	\$0	\$0	\$0	\$0
12	RT	6510	SCE	LA Basin	6-Nov-12	150-949	No	DEC	15	6:20	20:59	-	\$0	\$0	\$54,653	\$0	\$0	\$0	\$0	\$0	\$0
13	RT	6510	SCE	LA Basin	6-Nov-12	20-675	Yes	INC	24	0:00	23:59	9063.99	\$136,493	\$0	(\$383,413)	\$7,797	(\$338,768)	\$0	(\$19)	\$0	\$0
14	RT	6510	SCE	LA Basin	7-Nov-12	150-388	No	DEC	16	5:00	20:59	-	\$0	\$0	\$106,567	\$0	\$0	\$0	\$0	\$0	\$0
15	RT	6510	SCE	LA Basin	7-Nov-12	20-	Yes	INC	24	0:00	23:59	5190.7	\$106,64	\$0	(\$206,210)	\$3,81	(\$165,7	\$0	(\$2)	\$0	\$0

Department of Market Analysis and Development – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH(INC/D EC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
						330						4	2)	5	61)				
16	RT	6510	SCE	LA Basin	8-Nov-12	48-417	No	DEC	16	5:00	20:59	3743.93	\$0	\$0	\$172,992	\$0	\$0	\$0	\$0	\$0	\$0
17	RT	6510	SCE	LA Basin	8-Nov-12	30-81	No	INC	16	5:00	20:59	388.51	\$0	\$0	(\$71,486)	\$437	(\$20,045)	\$0	\$0	\$0	\$0
18	RT	6510	SCE	LA Basin	16-Nov-12	0-70	No	DEC	7	15:00	21:59	-78.64	\$0	\$0	\$3,363	\$0	\$0	\$0	\$0	\$0	\$0
19	RT	6510	SCE	LA Basin	16-Nov-12	66	No	INC	7	15:00	21:59	48.55	\$0	\$0	(\$2,232)	\$46	(\$2,128)	\$0	\$0	\$0	\$0
20	RT	6510	SCE	LA Basin	17-Nov-12	56-120	No	DEC	15	6:00	20:59	-25.27	\$0	\$0	(\$710)	\$0	\$0	\$0	\$0	\$0	\$0
21	RT	6510	SCE	LA Basin	17-Nov-12	20-240	Yes	INC	19	5:00	23:59	3932.08	\$81,385	\$0	(\$208,201)	\$3,017	(\$134,145)	\$0	\$0	\$0	\$0
22	RT	6510	SCE	LA Basin	18-Nov-12	74-276	No	DEC	14	6:00	19:59	-86.57	\$0	\$0	\$3,083	\$0	\$0	\$0	\$0	\$0	\$0
23	RT	6510	SCE	LA Basin	18-Nov-12	220	No	INC	14	6:00	19:59	2170.91	\$0	\$0	(\$95,783)	\$2,165	(\$95,625)	\$0	\$0	\$0	\$0
24	RT	6510	SCE	LA Basin	19-Nov-12	6-120	No	DEC	14	6:00	19:59	-24.52	\$0	\$0	\$903	\$0	\$0	\$0	\$0	\$0	\$0
25	RT	6510	SCE	LA Basin	19-Nov-12	20-240	Yes	INC	24	0:00	23:59	3109.85	\$106,642	\$0	(\$120,278)	\$2,196	(\$95,172)	\$0	(\$3)	\$0	\$0
26	RT	6510	SCE	LA Basin	21-Nov-12	82	No	DEC	14	8:40	21:59	61.34	\$0	\$0	(\$2,952)	\$0	\$0	\$0	\$0	\$0	\$0
27	RT	6510	SCE	LA Basin	21-Nov-12	20-240	Yes	INC	23	1:00	23:59	7667.86	\$128,257	\$0	(\$353,982)	\$2,866	(\$125,677)	\$0	\$0	\$0	\$0
28	RT	6510	SCE	LA Basin	26-Nov-12	190	Yes	INC	16	6:40	21:59	4358.66	\$54,127	\$0	(\$264,356)	\$0	(\$1)	\$0	(\$0)	\$0	\$0
29	RT	6510	SCE	LA Basin	27-Nov-12	170-190	Yes	INC	16	5:55	20:59	3064.27	\$52,950	\$0	(\$118,948)	\$2,074	(\$70,778)	\$0	(\$24,619)	\$0	\$0
30	RT	6510	SDG&E	San Diego	2-Nov-12	63	No	INC	17	5:00	21:59	1462.67	\$76,167	\$0	(\$55,390)	\$0	\$0	\$0	\$0	\$0	\$0
31	RT	6510	SDG&E	San Diego	6-Nov-12	40-191	Yes	INC	24	0:00	23:59	970.49	\$126,741	\$0	(\$30,269)	(\$49)	(\$18)	\$1,430	(\$11)	\$0	\$0
32	RT	6510	SDG&E	San Diego	7-Nov-12	20-131	No	INC	22	2:00	23:59	2426.73	\$167,533	\$0	(\$77,563)	\$0	(\$1)	\$0	(\$1)	\$0	\$0
33	RT	6510	SDG&E	San Diego	8-Nov-12	20-131	No	INC	24	0:00	23:59	2334.59	\$162,957	\$0	(\$71,300)	\$0	(\$1)	\$0	(\$1)	\$0	\$0
34	RT	6510	SDG&E	San Diego	9-Nov-12	20-131	No	INC	24	0:00	23:59	2736.99	\$171,966	\$0	(\$135,532)	\$0	(\$2)	\$0	(\$1)	\$0	\$0
35	RT	6510	SDG&E	San Diego	13-Nov-12	40-103	Yes	INC	24	0:00	23:59	2033.90	\$96,344	\$0	(\$76,300)	\$0	(\$7)	\$0	(\$1)	\$0	\$0
36	RT	6510	SDG&E	San Diego	14-Nov-12	40	Yes	INC	24	0:00	23:59	1165.28	\$94,763	\$0	(\$94,618)	\$0	(\$18)	\$0	(\$6)	\$0	\$0

Department of Market Analysis and Development – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH(INC/D EC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
37	RT	7110	PG&E	Humboldt	7-Nov-12	32	No	INC	6	17:22	22:08	45.21	\$1,280	\$0	(\$1,419)	\$25	(\$810)	\$0	\$0	(\$146)	\$0
38	RT	7110	PG&E	Humboldt	18-Nov-12	29-58	No	INC	3	21:17	23:59	47.96	\$1,350	\$0	(\$1,345)	\$24	(\$729)	\$0	\$0	(\$187)	\$0
39	RT	7110	PG&E	Humboldt	19-Nov-12	29-58	No	INC	24	0:00	23:58	307.33	\$12,908	\$0	(\$2,393)	\$59	(\$572)	\$0	\$0	(\$1,579)	\$0
40	RT	7110	PG&E	Humboldt	29-Nov-12	44-75	No	INC	13	11:17	23:59	334.48	\$0	\$0	(\$7,696)	\$91	(\$2,249)	\$0	\$0	(\$24)	\$0
41	RT	7110	PG&E	Humboldt	30-Nov-12	4- 8	No	DEC	16	8:30	23:59	-12.61	\$150	\$0	\$799	(\$9)	\$0	\$626	\$0	(\$196)	\$0
42	RT	7110	PG&E	Humboldt	30-Nov-12	32-102	No	INC	24	0:00	23:59	890.66	\$300	\$0	(\$26,884)	\$53	(\$6,096)	\$6,102	\$0	(\$3,975)	\$0
43	RT	7720	SCE	N/A	20-Nov-12	196-352	No	INC	14	8:40	21:59	1863.62	\$0	\$0	\$69,087	(\$1,726)	\$0	\$65,227	\$0	(\$58,232)	\$0
44	RT	8710	SDG&E	San Diego	19-Nov-12	20-63	No	INC	21	3:00	23:59	1951.37	\$139,174	\$0	(\$52,529)	\$0	(\$9)	\$0	(\$0)	\$0	\$0
45	RT	Bridging Schedules	PG&E	Bay Area	5-Nov-12	45	Yes	INC	3	21:00	23:59	143.43	\$8,017	\$0	(\$3,846)	\$0	(\$1)	\$0	\$0	\$0	\$0
46	RT	Bridging Schedules	PG&E	Bay Area	18-Nov-12	45	Yes	INC	2	22:00	23:59	90.02	\$5,549	\$0	(\$2,313)	\$0	(\$1)	\$0	\$0	\$0	\$0
47	RT	Bridging Schedules	PG&E	Bay Area	22-Nov-12	45	Yes	INC	24	0:00	23:59	1103.74	\$122,760	\$0	(\$31,333)	\$0	\$0	\$0	\$0	\$0	\$0
48	RT	Bridging Schedules	PG&E	Bay Area	27-Nov-12	45	No	INC	2	22:32	23:59	97.51	\$0	\$0	(\$2,784)	\$0	(\$1)	\$0	\$0	\$0	\$0
49	RT	Bridging Schedules	PG&E	N/A	22-Nov-12	52	No	INC	24	0:00	23:59	1497.36	\$84,203	\$0	(\$44,567)	\$0	(\$7)	\$0	\$0	\$0	\$0
50	RT	Bridging Schedules	SCE	LA Basin	4-Nov-12	20	No	INC	2	22:00	23:59	52.15	\$4,358	\$0	(\$1,228)	\$0	(\$0)	\$0	\$0	\$0	\$0
51	RT	Bridging Schedules	SCE	LA Basin	5-Nov-12	20	Yes	INC	2	22:00	23:59	202.84	\$7,060	\$0	(\$7,764)	\$0	(\$20)	\$0	\$0	\$0	\$0
52	RT	Bridging Schedules	SCE	LA Basin	14-Nov-12	20	No	INC	1	23:00	23:59	19.18	\$0	\$0	(\$641)	\$0	(\$0)	\$0	\$0	\$0	\$0
53	RT	Bridging Schedules	SCE	LA Basin	15-Nov-12	20	Yes	INC	2	22:00	23:59	41.54	\$5,613	\$0	(\$1,314)	\$0	\$0	\$0	\$0	\$0	\$0
54	RT	Bridging Schedules	SDG&E	San Diego	12-Nov-12	20	Yes	INC	2	22:00	23:59	49.90	\$3,900	\$0	(\$2,140)	\$0	\$0	\$0	\$0	\$0	\$0
55	RT	Bridging Schedules	SDG&E	San Diego	27-Nov-12	20	No	INC	2	22:00	23:59	103.50	\$1,686	\$0	(\$3,424)	\$0	(\$0)	\$0	\$0	\$0	\$0
56	RT	Bridging Schedules	SDG&E	San Diego	28-Nov-12	20	No	INC	2	22:00	23:59	157.99	\$2,108	\$0	(\$6,069)	\$0	(\$0)	\$0	\$0	\$0	\$0
57	RT	Conditions beyond control of the CAISO BA	PG&E	Bay Area	5-Nov-12	45-90	Yes	INC	24	0:00	23:59	3097.25	\$139,391	\$23,112	(\$113,084)	\$0	\$0	\$0	\$0	\$0	\$0
58	RT	Conditions beyond control of the CAISO BA	PG&E	Bay Area	28-Nov-12	45	Yes	INC	24	0:00	23:59	1165.00	\$62,254	\$22,256	(\$36,719)	\$0	(\$7)	\$0	(\$3)	\$0	\$0
59	RT	Conditions beyond control of the CAISO BA	PG&E	N/A	4-Nov-12	185	No	INC	1	23:00	23:59	26.99	\$13,286	\$0	\$2,457	\$0	(\$0)	\$0	(\$0)	\$0	\$0
60	RT	Conditions beyond control of the CAISO BA	PG&E	N/A	10-Nov-12	550	No	INC	1	19:10	19:59	-0.06	\$0	\$0	\$2	\$0	\$0	\$0	\$0	\$0	\$0
61	RT	Conditions beyond control of the CAISO BA	SCE	LA Basin	5-Nov-12	10	Yes	INC	19	5:45	23:59	186.98	\$51,570	\$0	(\$15,135)	\$0	\$0	\$0	\$0	\$0	\$0

Department of Market Analysis and Development – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH(INC/D EC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
62	RT	Conditions beyond control of the CAISO BA	SCE	LA Basin	15-Nov-12	20	Yes	INC	18	6:00	23:59	478.05	\$50,515	\$0	(\$19,765)	\$0	\$0	\$0	\$0	\$0	\$0
63	RT	Conditions beyond control of the CAISO BA	SDG&E	San Diego	2-Nov-12	20-80	Yes	INC	22	2:00	23:59	2757.19	\$182,220	\$0	(\$105,022)	\$0	(\$1)	\$0	(\$0)	\$0	\$0
64	RT	Conditions beyond control of the CAISO BA	SDG&E	San Diego	4-Nov-12	20	No	INC	4	20:00	23:59	80.00	\$5,849	\$0	(\$2,246)	\$0	\$0	\$0	\$0	\$0	\$0
65	RT	Conditions beyond control of the CAISO BA	SDG&E	San Diego	5-Nov-12	20-40	Yes	INC	24	0:00	23:59	936.29	\$78,774	\$0	(\$53,559)	\$0	\$0	\$0	\$0	\$0	\$0
66	RT	Conditions beyond control of the CAISO BA	SDG&E	San Diego	15-Nov-12	40-108	Yes	INC	24	0:00	23:59	2717.09	\$164,163	\$16,386	(\$116,464)	\$0	(\$2)	\$0	(\$0)	\$0	\$0
67	RT	Conditions beyond control of the CAISO BA	SDG&E	San Diego	17-Nov-12	20	No	INC	22	2:00	23:59	1429.68	\$85,085	\$0	(\$69,813)	\$0	(\$7)	\$0	\$0	\$0	\$0
68	RT	Conditions beyond control of the CAISO BA	SDG&E	San Diego	18-Nov-12	20	No	INC	13	11:00	23:59	613.87	\$46,374	\$10,718	(\$18,730)	\$1	(\$47)	\$0	(\$0)	\$0	\$0
69	RT	Conditions beyond control of the CAISO BA	SDG&E	San Diego	20-Nov-12	20	No	INC	24	0:00	23:59	1359.87	\$77,647	\$0	(\$93,039)	\$0	(\$4)	\$0	(\$0)	\$0	\$0
70	RT	Conditions beyond control of the CAISO BA	SDG&E	San Diego	21-Nov-12	63-161	No	INC	13	8:05	20:59	1401.96	\$28,571	\$624	(\$53,604)	\$353	(\$12,104)	\$0	(\$3,052)	\$0	\$0
71	RT	Conditions beyond control of the CAISO BA	SDG&E	San Diego	30-Nov-12	20	Yes	INC	24	0:00	23:59	962.33	\$46,795	\$0	(\$98,801)	\$0	\$0	\$0	\$0	\$0	\$0
72	RT	Generation Outage	PG&E	Bay Area	8-Nov-12	60	Yes	INC	10	12:57	21:59	427.31	\$17,094	\$21,461	(\$13,000)	\$104	(\$3,113)	\$0	(\$1,207)	\$0	\$0
73	RT	Generation Outage	SCE	LA Basin	27-Nov-12	20	Yes	INC	3	21:00	23:59	289.33	\$10,590	\$0	(\$11,574)	\$0	(\$1)	\$0	(\$0)	\$0	\$0
74	RT	Intertie Emergency Assistance	Intertie	N/A	21-Nov-12	30-50	Yes	INC	2	9:01	10:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
75	RT	Intertie Emergency Assistance	Intertie	N/A	26-Nov-12	50-120	Yes	INC	3	8:58	10:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
76	RT	Over Generation	PG&E	Bay Area	14-Nov-12	250	No	DEC	2	13:54	14:08	-8.50	\$0	\$0	\$195	\$0	\$0	\$0	\$0	\$0	\$0
77	RT	Over Generation	PG&E	Bay Area	14-Nov-12	600	No	INC	2	13:53	14:08	-29.25	\$0	\$0	\$663	(\$0)	\$0	\$12	\$0	\$0	\$0
78	RT	Over Generation	PG&E	Fresno	14-Nov-12	320	No	INC	2	13:53	14:08	-27.05	\$0	\$0	\$591	(\$4)	\$0	\$104	\$0	\$0	\$0
79	RT	Pumped-Storage	PG&E	Fresno	25-Nov-12	308	Yes	DEC	4	4:00	7:59	1232.00	\$0	\$0	\$34,922	\$0	\$0	\$0	\$0	\$0	\$0
80	RT	Ramp Rate	SDG&E	San Diego	11-Nov-12	63	No	INC	15	6:25	20:59	892.31	\$63,017	\$0	(\$25,281)	\$0	(\$6)	\$0	(\$0)	\$0	\$0
81	RT	Ramp Rate	SDG&E	San Diego	16-Nov-12	63	No	INC	8	4:05	11:59	553.96	\$0	\$0	(\$23,489)	\$0	(\$3)	\$0	(\$1)	\$0	\$0
82	RT	Ramp Rate	SDG&E	San Diego	17-Nov-12	63	No	INC	16	5:30	20:59	1246.71	\$69,816	\$0	(\$64,806)	\$0	(\$7)	\$0	\$0	\$0	\$0
83	RT	Software Limitation	PG&E	Bay Area	20-Nov-12	85	No	DEC	5	19:50	23:59	364.79	\$0	\$0	\$13,879	(\$358)	\$0	\$13,606	\$0	\$0	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH(INC/D EC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
84	RT	Software Limitation	PG&E	Bay Area	20-Nov-12	45	Yes	INC	11	13:10	23:59	44.22	\$5,115	\$0	(\$1,550)	\$0	\$0	\$0	\$0	\$0	\$0
85	RT	Software Limitation	PG&E	Bay Area	21-Nov-12	45	Yes	INC	11	0:00	10:59	876.73	\$56,265	\$0	(\$189,787)	\$0	\$0	\$0	\$0	\$0	\$0
86	RT	Software Limitation	PG&E	Fresno	6-Nov-12	320	No	INC	3	21:30	23:58	2.91	\$0	\$0	\$1,068	(\$111)	\$0	\$3,100	\$0	\$0	\$0
87	RT	Software Limitation	PG&E	Fresno	16-Nov-12	0	No	INC	1	23:45	23:58	0.23	\$0	\$0	(\$7)	\$0	\$0	\$0	\$0	\$0	\$0
88	RT	Software Limitation	PG&E	Fresno	17-Nov-12	0	No	INC	3	1:10	3:09	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
89	RT	Software Limitation	PG&E	Fresno	24-Nov-12	616	Yes	DEC	7	3:30	9:59	4004.00	\$0	\$0	\$113,378	\$0	\$0	\$0	\$0	\$0	\$0
90	RT	Software Limitation	PG&E	Fresno	29-Nov-12	90	No	DEC	1	6:00	6:14	-0.01	\$0	\$0	\$27	\$0	\$0	\$0	\$0	\$0	\$0
91	RT	Software Limitation	PG&E	Fresno	29-Nov-12	32	Yes	INC	11	6:00	16:59	140.26	\$7,123	\$67	(\$4,072)	\$0	\$0	\$0	\$0	\$0	\$0
92	RT	Software Limitation	PG&E	N/A	16-Nov-12	0	No	INC	1	23:45	23:58	0.21	\$0	\$0	(\$6)	\$0	\$0	\$0	\$0	\$0	\$0
93	RT	Software Limitation	PG&E	N/A	17-Nov-12	0	No	INC	3	1:10	3:09	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
94	RT	Software Limitation	PG&E	N/A	19-Nov-12	330	No	INC	2	4:45	5:59	-77.08	\$7,105	\$0	\$790	\$0	\$0	\$0	\$0	\$0	\$0
95	RT	Software Limitation	PG&E	Sierra	12-Nov-12	0	Yes	INC	2	22:19	23:58	11.23	\$0	\$0	(\$367)	\$0	(\$0)	\$0	\$0	\$0	\$0
96	RT	Software Limitation	SCE	Big Creek-Ventura	19-Nov-12	47	No	DEC	24	0:00	23:59	702.57	\$0	\$0	\$10,201	(\$703)	\$0	\$10,201	\$0	\$0	\$0
97	RT	Software Limitation	SCE	Big Creek-Ventura	26-Nov-12	50	Yes	INC	13	9:55	21:59	512.27	\$10,649	\$84	(\$25,586)	\$108	(\$4,455)	\$0	(\$801)	\$0	\$0
98	RT	Software Limitation	SCE	Big Creek-Ventura	27-Nov-12	0	No	INC	1	0:00	0:59	0.00	\$0	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0
99	RT	Software Limitation	SCE	Big Creek-Ventura	29-Nov-12	20	Yes	INC	19	5:00	23:59	934.98	\$48,689	\$10,430	(\$83,500)	\$38	(\$1,630)	\$0	(\$320)	\$0	\$0
100	RT	Software Limitation	SCE	Big Creek-Ventura	30-Nov-12	0	Yes	INC	1	19:30	19:59	0.00	\$399	\$61	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0
101	RT	Software Limitation	SCE	LA Basin	1-Nov-12	0	Yes	INC	1	22:00	22:59	0.00	\$0	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0
102	RT	Software Limitation	SCE	LA Basin	3-Nov-12	0	Yes	INC	11	2:55	12:59	1.67	\$1,871	\$0	(\$43)	\$0	\$0	\$0	\$0	\$0	\$0
103	RT	Software Limitation	SCE	LA Basin	5-Nov-12	0	Yes	INC	1	20:43	20:58	3.83	\$0	\$0	(\$111)	\$0	\$0	\$0	\$0	\$0	\$0
104	RT	Software Limitation	SCE	LA Basin	12-Nov-12	0	Yes	INC	2	22:25	23:24	3.83	\$0	\$0	(\$134)	\$0	\$0	\$0	\$0	\$0	\$0
105	RT	Software Limitation	SCE	LA Basin	13-Nov-12	0	Yes	INC	2	20:10	21:09	0.00	\$0	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0
106	RT	Software Limitation	SCE	LA Basin	20-Nov-12	0	Yes	INC	2	22:50	23:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
107	RT	Software Limitation	SCE	LA Basin	21-Nov-12	0	Yes	INC	1	0:00	0:39	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
108	RT	Software Limitation	SCE	LA Basin	26-Nov-12	71	Yes	INC	22	0:30	21:59	892.94	\$25,148	\$7,384	(\$45,079)	\$0	(\$2)	\$0	(\$0)	\$0	\$0
109	RT	Software Limitation	SCE	LA Basin	27-Nov-12	0	Yes	INC	24	0:00	23:59	3.83	\$0	\$0	(\$110)	\$0	\$0	\$0	\$0	\$0	\$0
110	RT	Software Limitation	SCE	LA Basin	28-Nov-12	0	No	INC	1	0:00	0:34	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
111	RT	Software Limitation	SCE	LA Basin	29-Nov-12	25	Yes	INC	15	9:00	23:59	857.56	\$58,082	\$20,405	(\$74,297)	\$95	(\$4,537)	\$0	(\$826)	\$0	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH(INC/D EC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
112	RT	Software Limitation	SCE	LA Basin	30-Nov-12	0	Yes	INC	1	22:00	22:59	0.00	\$0	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0
113	RT	Software Limitation	SCE	N/A	29-Nov-12	40	Yes	INC	17	7:00	23:59	2573.77	\$16,335	\$0	(\$199,979)	\$0	\$0	\$0	\$0	\$0	\$0
114	RT	Software Limitation	SDG&E	N/A	9-Nov-12	0	Yes	INC	4	4:00	7:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
115	RT	Software Limitation	SDG&E	N/A	12-Nov-12	10	No	INC	1	18:55	18:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
116	RT	Software Limitation	SDG&E	San Diego	16-Nov-12	63	No	INC	7	15:00	21:59	739.96	\$0	\$0	(\$23,625)	\$0	\$0	\$0	\$0	\$0	\$0
117	RT	Software Limitation	SDG&E	San Diego	19-Nov-12	0	Yes	INC	1	13:45	13:59	1.17	\$294	\$0	(\$82)	\$0	\$0	\$0	\$0	\$0	\$0
118	RT	Software Limitation	SDG&E	San Diego	26-Nov-12	0	No	INC	7	8:40	14:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
119	RT	System Energy	Intertie	N/A	2-Nov-12	200	Yes	INC	1	8:00	8:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
120	RT	System Energy	Intertie	N/A	11-Nov-12	500	Yes	INC	1	16:00	16:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
121	RT	System Energy	Intertie	N/A	15-Nov-12	800	Yes	INC	1	16:00	16:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
122	RT	System Energy	Intertie	N/A	20-Nov-12	200-779	Yes	INC	4	15:00	18:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
123	RT	System Energy	Intertie	N/A	21-Nov-12	10	Yes	INC	3	15:00	17:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
124	RT	System Energy	Intertie	N/A	26-Nov-12	200	Yes	INC	1	23:00	23:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
125	RT	System Energy	Intertie	N/A	28-Nov-12	10	Yes	INC	1	22:00	22:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
126	RT	System Energy	Intertie	N/A	30-Nov-12	25	Yes	INC	1	16:00	16:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
127	RT	System Load	SCE	Big Creek-Ventura	1-Nov-12	50-100	Yes	INC	6	16:00	21:59	530.29	\$6,418	\$0	(\$22,408)	\$265	(\$11,449)	\$0	\$0	\$0	\$0
128	RT	System Load	SCE	Big Creek-Ventura	12-Nov-12	100	Yes	INC	15	6:00	20:59	1527.54	\$0	\$0	(\$66,332)	\$800	(\$33,375)	\$0	(\$9,158)	\$0	\$0
129	RT	System Load	SCE	Big Creek-Ventura	13-Nov-12	50	Yes	INC	14	7:35	20:59	692.72	\$33,313	\$0	(\$29,182)	\$379	(\$15,674)	\$0	(\$4,429)	\$0	\$0
130	RT	System Load	SCE	Big Creek-Ventura	29-Nov-12	50	Yes	INC	5	16:15	20:59	471.04	\$12,386	\$2,653	(\$62,627)	\$38	(\$1,630)	\$0	(\$320)	\$0	\$0
131	RT	System Load	SCE	LA Basin	1-Nov-12	71	No	INC	6	16:00	21:59	427.78	\$0	\$0	(\$16,877)	\$275	(\$12,169)	\$0	\$0	\$0	\$0
132	RT	System Load	SCE	LA Basin	12-Nov-12	70	Yes	INC	15	6:00	20:59	2487.00	\$0	\$0	(\$117,176)	\$223	(\$7,809)	\$0	(\$1,967)	\$0	\$0
133	RT	System Load	SCE	LA Basin	13-Nov-12	70	No	INC	4	17:15	20:59	427.55	\$0	\$0	(\$19,875)	\$69	(\$2,868)	\$0	(\$280)	\$0	\$0
134	RT	System Load	SCE	LA Basin	14-Nov-12	5- 326	No	DEC	15	5:05	19:59	-41.41	\$0	\$0	\$238	\$0	\$0	\$0	\$0	\$0	\$0
135	RT	System Load	SCE	LA Basin	14-Nov-12	0- 146	No	INC	15	5:05	19:59	309.32	\$0	\$0	(\$19,619)	\$205	(\$9,446)	\$0	\$0	\$0	\$0
136	RT	System Load	SCE	LA Basin	16-Nov-12	56-81	No	DEC	8	4:05	11:59	-31.12	\$0	\$0	\$978	\$0	\$0	\$0	\$0	\$0	\$0
137	RT	System Load	SCE	LA Basin	16-Nov-12	66-170	No	INC	8	4:05	11:59	209.62	\$0	\$0	(\$9,552)	\$202	(\$9,327)	\$0	\$0	\$0	\$0
138	RT	System Load	SCE	LA Basin	29-Nov-12	71	Yes	INC	5	16:15	20:59	450.42	\$18,715	\$6,575	(\$56,039)	\$95	(\$4,537)	\$0	(\$826)	\$0	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH(INC/D EC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
139	RT	System Load	SDG&E	San Diego	1-Nov-12	68	No	INC	6	16:00	21:59	483.78	\$4,746	\$0	\$14,002	(\$205)	(\$1)	\$2,423	\$0	\$0	\$0
140	RT	System Load	SDG&E	San Diego	12-Nov-12	63	No	INC	15	6:00	20:59	976.66	\$67,564	\$0	(\$33,328)	\$0	(\$5)	\$0	(\$0)	\$0	\$0
141	RT	System Load	SDG&E	San Diego	18-Nov-12	63	No	INC	9	12:20	20:59	495.96	\$36,804	\$4,367	(\$15,514)	\$1	(\$47)	\$0	\$0	\$0	\$0
142	RT	System Reliability	PG&E	Bay Area	12-Nov-12	45	Yes	INC	15	9:00	23:59	1734.95	\$76,725	\$0	(\$69,441)	\$0	(\$4)	\$0	(\$1)	\$0	\$0
143	RT	System Reliability	PG&E	Bay Area	19-Nov-12	45	Yes	INC	24	0:00	23:59	1340.84	\$66,583	\$0	(\$33,758)	\$0	(\$4)	\$0	(\$5)	\$0	\$0
144	RT	System Reliability	PG&E	Bay Area	21-Nov-12	90	Yes	INC	13	11:00	23:59	3529.67	\$136,851	\$0	(\$533,407)	\$0	\$0	\$0	\$0	\$0	\$0
145	RT	System Reliability	PG&E	Bay Area	23-Nov-12	45	Yes	INC	24	0:00	23:59	1164.79	\$122,760	\$0	(\$36,922)	\$0	\$0	\$0	\$0	\$0	\$0
146	RT	System Reliability	PG&E	Fresno	10-Nov-12	311	Yes	DEC	1	1:00	1:59	570.17	\$0	\$0	\$19,541	\$0	\$0	\$0	\$0	\$0	\$0
147	RT	System Reliability	PG&E	Fresno	12-Nov-12	618	Yes	DEC	1	6:00	6:59	621.33	\$0	\$0	\$17,441	\$0	\$0	\$0	\$0	\$0	\$0
148	RT	Thermal Margin	PG&E	Bay Area	24-Nov-12	45	Yes	INC	24	0:00	23:59	1080.65	\$122,760	\$0	(\$30,772)	\$0	\$0	\$0	\$0	\$0	\$0
149	RT	Thermal Margin	PG&E	N/A	24-Nov-12	180	Yes	INC	24	0:00	23:59	4320.24	\$322,121	\$28,334	(\$123,153)	\$0	(\$7)	\$0	(\$4)	\$0	\$0
150	RT	Thermal Margin	PG&E	N/A	25-Nov-12	180-232	Yes	INC	24	0:00	23:59	5154.12	\$390,612	\$0	(\$145,330)	\$0	(\$7)	\$0	(\$4)	\$0	\$0
151	RT	Thermal Margin	SCE	LA Basin	26-Nov-12	45	Yes	INC	18	6:00	23:59	7607.41	\$131,439	\$19,936	(\$446,776)	\$0	(\$5)	\$0	(\$1)	\$0	\$0
152	RT	Transmission Outage Other	Intertie	N/A	21-Nov-12	200	No	DEC	14	8:22	21:59	1789.00	\$0	\$0	\$177,345	(\$1,391)	\$0	\$184,312	\$0	(\$167,961)	\$0
153	RT	Transmission Outage Other	PG&E	Bay Area	21-Nov-12	600	No	INC	9	11:45	19:59	-88.34	\$28,345	\$0	\$59,501	\$36	(\$1,180)	\$0	\$0	(\$185)	\$0
154	RT	Transmission Outage PG&E	PG&E	Bay Area	5-Nov-12	100-146	No	DEC	8	14:40	21:59	768.01	\$0	\$0	\$17,303	(\$698)	\$0	\$16,871	\$0	(\$584)	\$0
155	RT	Transmission Outage PG&E	PG&E	Bay Area	5-Nov-12	37	No	INC	8	14:22	21:59	105.65	\$2,723	\$228	(\$3,986)	\$17	(\$513)	\$0	\$0	(\$85)	\$0
156	RT	Transmission Outage PG&E	PG&E	Fresno	3-Nov-12	0	No	INC	1	4:30	4:44	-16.87	\$0	\$0	\$544	\$0	\$0	\$0	\$0	\$0	\$0
157	RT	Transmission Outage PG&E	PG&E	Fresno	5-Nov-12	65-315	Yes	INC	7	12:25	18:59	232.07	\$0	\$0	\$9,063	\$0	\$0	\$0	\$0	\$0	\$0
158	RT	Transmission Outage PG&E	PG&E	Fresno	6-Nov-12	315	No	INC	1	15:00	15:59	-10.42	\$0	\$0	\$495	\$0	\$0	\$0	\$0	\$0	\$0
159	RT	Transmission Outage PG&E	PG&E	Fresno	28-Nov-12	15	No	INC	2	3:42	4:59	10.79	\$0	\$0	(\$315)	\$10	(\$280)	\$0	\$0	(\$67)	\$0
160	RT	Transmission Outage PG&E	PG&E	Humboldt	6-Nov-12	60	No	INC	6	12:30	17:59	-44.16	\$0	\$0	\$1,310	(\$28)	\$0	\$939	\$0	(\$798)	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH(INC/D EC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
161	RT	Transmission Outage PG&E	PG&E	Humboldt	26-Nov-12	32-64	No	INC	8	9:05	16:59	270.97	\$11,673	\$0	(\$8,081)	\$79	(\$2,355)	\$0	\$0	(\$1,132)	\$0
162	RT	Transmission Outage PG&E	PG&E	NCNB	6-Nov-12	15-30	No	DEC	7	0:45	6:59	138.61	\$0	\$0	\$3,540	(\$138)	\$0	\$3,516	\$0	(\$8,733)	\$0
163	RT	Transmission Outage PG&E	PG&E	NCNB	26-Nov-12	10-51	No	DEC	12	7:19	18:29	592.74	\$0	\$0	\$18,277	(\$577)	\$0	\$18,123	\$0	(\$35,979)	\$0
164	RT	Transmission Outage PG&E	PG&E	Sierra	1-Nov-12	40-242	No	DEC	18	5:37	22:59	1969.46	\$0	\$0	\$71,299	(\$1,839)	\$0	\$66,873	\$0	(\$58,569)	\$0
165	RT	Transmission Outage PG&E	PG&E	Sierra	1-Nov-12	0-81	Yes	INC	24	0:00	23:59	758.04	\$27,917	\$428	(\$31,195)	\$278	(\$9,224)	\$0	\$0	(\$2,254)	\$0
166	RT	Transmission Outage PG&E	PG&E	Sierra	2-Nov-12	25	No	DEC	2	18:24	19:54	-35.35	\$0	\$0	\$1,403	(\$37)	\$0	\$1,441	\$0	(\$664)	\$0
167	RT	Transmission Outage PG&E	PG&E	Sierra	2-Nov-12	36	Yes	INC	24	0:00	23:58	606.94	\$25,029	\$0	(\$26,275)	\$28	(\$1,152)	\$0	\$0	(\$56)	\$0
168	RT	Transmission Outage PG&E	PG&E	Sierra	3-Nov-12	20-35	Yes	INC	24	0:01	23:59	721.47	\$37,303	\$474	(\$21,636)	\$140	(\$4,183)	\$0	\$0	(\$1,241)	\$0
169	RT	Transmission Outage PG&E	PG&E	Sierra	4-Nov-12	20-35	No	INC	15	9:00	23:59	482.14	\$21,660	\$0	(\$14,750)	\$151	(\$4,551)	\$0	\$0	(\$1,311)	\$0
170	RT	Transmission Outage PG&E	PG&E	Sierra	5-Nov-12	46	Yes	INC	22	0:00	21:59	197.94	\$7,220	\$0	(\$5,543)	\$96	(\$2,771)	\$0	\$0	(\$958)	\$0
171	RT	Transmission Outage PG&E	PG&E	Sierra	6-Nov-12	20	No	DEC	5	17:48	21:59	-28.31	\$0	\$0	\$943	(\$28)	\$0	\$938	\$0	(\$363)	\$0
172	RT	Transmission Outage PG&E	PG&E	Sierra	6-Nov-12	62-83	No	INC	4	18:30	21:59	-2.76	\$0	\$0	\$94	\$0	\$0	\$0	\$0	\$0	\$0
173	RT	Transmission Outage PG&E	PG&E	Sierra	7-Nov-12	15	No	DEC	3	17:14	19:59	-33.71	\$0	\$0	\$1,038	(\$33)	\$0	\$1,002	\$0	(\$324)	\$0
174	RT	Transmission Outage PG&E	PG&E	Sierra	7-Nov-12	16-83	No	INC	4	17:25	20:23	-2.72	\$0	\$0	\$73	\$0	\$0	\$0	\$0	\$0	\$0
175	RT	Transmission Outage PG&E	PG&E	Sierra	8-Nov-12	10-40	No	DEC	7	14:35	20:32	-91.07	\$0	\$0	\$2,638	(\$86)	\$0	\$2,502	\$0	(\$1,955)	\$0
176	RT	Transmission Outage PG&E	PG&E	Sierra	10-Nov-12	7-20	Yes	DEC	8	16:35	23:59	-97.34	\$0	\$0	\$2,743	(\$99)	\$0	\$3,268	\$0	(\$1,637)	\$0
177	RT	Transmission Outage PG&E	PG&E	Sierra	10-Nov-12	70	Yes	INC	8	16:50	23:59	-5.18	\$0	\$0	\$139	\$0	\$0	\$0	\$0	\$0	\$0
178	RT	Transmission Outage PG&E	PG&E	Sierra	11-Nov-12	5-13	No	DEC	6	17:19	22:59	-20.96	\$0	\$0	\$574	(\$23)	\$0	\$618	\$0	(\$374)	\$0
179	RT	Transmission Outage PG&E	PG&E	Sierra	11-Nov-12	15	No	INC	13	10:05	22:59	61.82	\$0	\$0	(\$1,634)	\$61	(\$1,619)	\$0	\$0	(\$762)	\$0
180	RT	Transmission Outage PG&E	PG&E	Sierra	12-Nov-12	4-25	Yes	DEC	6	18:40	23:59	-13.60	\$0	\$0	\$583	(\$14)	\$0	\$592	\$0	(\$127)	\$0
181	RT	Transmission Outage PG&E	PG&E	Sierra	12-Nov-12	20-92	Yes	INC	24	0:00	23:59	415.24	\$22,382	\$99	(\$12,372)	\$23	(\$634)	\$0	\$0	(\$270)	\$0
182	RT	Transmission Outage PG&E	PG&E	Sierra	13-Nov-12	20	Yes	INC	9	0:00	8:59	195.42	\$12,996	\$0	(\$5,824)	\$0	\$0	\$0	\$0	\$0	\$0
183	RT	Transmission Outage PG&E	PG&E	Sierra	14-Nov-12	5-20	No	DEC	1	7:00	7:36	-7.24	\$0	\$0	\$244	(\$5)	\$0	\$182	\$0	(\$50)	\$0
184	RT	Transmission Outage PG&E	PG&E	Sierra	14-Nov-12	20	Yes	INC	11	1:50	11:59	211.16	\$13,237	\$759	(\$6,490)	\$0	(\$3)	\$0	\$0	(\$1)	\$0
185	RT	Transmission Outage PG&E	PG&E	Sierra	20-Nov-12	5	No	DEC	2	22:07	23:59	-9.58	\$0	\$0	\$332	(\$9)	\$0	\$304	\$0	(\$56)	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH(INC/D EC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
186	RT	Transmission Outage PG&E	PG&E	Sierra	30-Nov-12	20	Yes	INC	1	21:10	21:59	15.83	\$1,203	\$0	(\$444)	\$0	\$0	\$0	\$0	\$0	\$0
187	RT	Transmission Outage PG&E	SDG&E	San Diego	12-Nov-12	20	No	INC	24	0:00	23:59	217.97	\$19,220	\$0	(\$7,241)	\$0	(\$2)	\$0	(\$0)	\$0	\$0
188	RT	Transmission Outage SCE	SCE	LA Basin	3-Nov-12	158-288	No	DEC	1	23:03	23:59	250.42	\$0	\$0	\$4,309	(\$186)	\$0	\$3,362	\$0	(\$1,039)	\$0
189	RT	Transmission Outage SCE	SCE	LA Basin	4-Nov-12	107-170	No	DEC	6	5:15	10:59	989.92	\$0	\$0	\$29,421	(\$964)	\$0	\$28,629	\$0	(\$17,939)	\$0
190	RT	Transmission Outage SCE	SCE	LA Basin	4-Nov-12	30-80	No	INC	8	0:00	7:34	381.30	\$0	\$0	(\$11,781)	\$189	(\$5,260)	\$0	\$0	(\$474)	\$0
191	RT	Transmission Outage SCE	SCE	LA Basin	5-Nov-12	160	No	INC	1	9:05	9:59	124.69	\$0	\$0	\$49,515	\$123	\$47,284	\$0	\$0	(\$41,675)	\$0
192	RT	Transmission Outage SCE	SCE	LA Basin	19-Nov-12	139	No	DEC	2	6:25	7:59	-73.47	\$0	\$0	\$9,265	(\$59)	\$0	\$5,789	\$0	(\$1,095)	\$0
193	RT	Transmission Outage SCE	SCE	LA Basin	19-Nov-12	30	No	INC	4	6:25	9:59	-6.82	\$0	\$0	\$204	\$0	\$0	\$0	\$0	\$0	\$0
194	RT	Transmission Outage SCE	SCE	LA Basin	20-Nov-12	1	No	DEC	10	7:43	16:59	8.46	\$0	\$0	(\$314)	(\$3)	\$0	\$100	\$0	(\$37)	\$0
195	RT	Transmission Outage SCE	SCE	LA Basin	20-Nov-12	0	No	INC	10	7:43	16:59	-0.17	\$0	\$0	\$6	\$0	\$0	\$0	\$0	\$0	\$0
196	RT	Transmission Outage SCE	SCE	N/A	28-Nov-12	215	No	INC	8	16:20	23:59	-29.30	\$559	\$0	\$419	(\$24)	(\$32)	\$326	\$0	(\$303)	\$0
197	RT	Transmission Outage SCE	SCE	N/A	29-Nov-12	172	No	INC	11	13:00	23:59	827.01	\$27,499	\$18,116	(\$25,859)	\$0	\$0	\$0	\$0	\$0	\$0
198	RT	Transmission Outage SDG&E	SDG&E	San Diego	10-Nov-12	20-83	Yes	INC	13	9:32	21:59	629.11	\$46,671	\$11,909	(\$16,410)	\$0	(\$2)	\$0	\$0	(\$1)	\$0
199	RT	Transmission Outage SDG&E	SDG&E	San Diego	11-Nov-12	20	No	INC	20	4:00	23:59	1030.44	\$74,655	\$0	(\$29,412)	\$0	(\$7)	\$0	(\$0)	\$0	\$0
200	RT	Transmission Outage SDG&E	SDG&E	San Diego	12-Nov-12	20	Yes	INC	24	0:00	23:59	508.48	\$47,967	\$0	(\$17,119)	\$0	(\$7)	\$0	\$0	(\$2)	\$0
201	RT	Transmission Outage SDG&E	SDG&E	San Diego	14-Nov-12	22	No	INC	2	15:30	16:59	150.40	\$2,164	\$0	(\$6,349)	\$0	\$0	\$0	\$0	\$0	\$0
202	RT	Transmission Outage SDG&E	SDG&E	San Diego	16-Nov-12	48	Yes	INC	10	12:50	21:59	463.21	\$16,082	\$0	(\$22,941)	\$178	(\$6,823)	\$0	\$0	(\$1,514)	\$0
203	RT	Transmission Outage SDG&E	SDG&E	San Diego	19-Nov-12	12-42	No	DEC	7	7:00	13:59	186.45	\$0	\$0	\$6,061	(\$5)	\$0	\$570	\$0	(\$291)	\$0
204	RT	Transmission Outage SDG&E	SDG&E	San Diego	19-Nov-12	2-14	Yes	INC	6	8:15	13:29	55.78	\$6,773	\$0	(\$1,921)	\$1	(\$35)	\$0	\$0	(\$90)	\$0
205	RT	Transmission Outage SDG&E	SDG&E	San Diego	23-Nov-12	20-63	No	INC	19	5:00	23:59	5476.88	\$150,406	\$15,184	(\$619,455)	\$0	(\$11)	\$0	(\$0)	\$0	\$0
206	RT	Transmission Outage SDG&E	SDG&E	San Diego	24-Nov-12	20-63	No	INC	24	0:00	23:59	4688.98	\$168,267	\$0	(\$268,228)	\$0	(\$16)	\$0	(\$1)	\$0	\$0
207	RT	Transmission Outage SDG&E	SDG&E	San Diego	25-Nov-12	20-63	No	INC	24	0:00	23:59	1563.34	\$96,610	\$0	(\$56,382)	\$0	(\$6)	\$0	(\$1)	\$0	\$0
208	RT	Transmission Outage SDG&E	SDG&E	San Diego	26-Nov-12	63-131	No	INC	24	0:00	23:59	1119.88	\$460,202	\$27,311	(\$1,482,971)	\$0	(\$4)	\$0	(\$0)	\$0	\$0
209	RT	Transmission Outage SDG&E	SDG&E	San Diego	27-Nov-12	20-40	Yes	INC	23	1:00	23:59	893.88	\$60,592	\$0	(\$49,712)	\$0	(\$10)	\$0	(\$3)	\$0	\$0
210	RT	Transmission Outage SDG&E	SDG&E	San Diego	28-Nov-12	20-40	Yes	INC	24	0:00	23:59	1522.59	\$79,164	\$0	(\$87,336)	\$0	(\$9)	\$0	(\$4)	\$0	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH(INC/D EC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
211	RT	Transmission Outage SDG&E	SDG&E	San Diego	29-Nov-12	30-150	Yes	DEC	17	7:10	23:59	1754.52	\$0	\$0	\$86,618	(\$711)	\$0	\$61,830	\$0	(\$50,080)	\$0
212	RT	Transmission Outage SDG&E	SDG&E	San Diego	29-Nov-12	20-240	Yes	INC	14	10:05	23:59	101.21	\$44,238	\$0	(\$4,435)	(\$182)	(\$38)	\$23,932	\$0	(\$18,591)	\$0
213	RT	Unit Testing	PG&E	Bay Area	6-Nov-12	853	No	INC	1	8:35	8:44	9.78	\$0	\$0	(\$426)	\$7	(\$357)	\$0	\$0	\$0	\$0
214	RT	Unit Testing	PG&E	Sierra	8-Nov-12	150-200	Yes	INC	6	18:05	23:59	985.07	\$0	\$0	(\$28,110)	\$70	(\$2,280)	\$0	\$0	\$0	\$0
215	RT	Unit Testing	PG&E	Sierra	9-Nov-12	150-284	Yes	INC	24	0:00	23:59	5613.01	\$0	\$0	(\$210,360)	\$2,202	(\$92,261)	\$0	\$0	\$0	\$0
216	RT	Unit Testing	PG&E	Sierra	12-Nov-12	276	Yes	INC	7	17:55	23:59	1680.00	\$0	\$0	(\$64,009)	\$812	(\$31,269)	\$0	\$0	\$0	\$0
217	RT	Voltage Support	PG&E	Fresno	23-Nov-12	308	Yes	DEC	5	1:45	5:59	1309.00	\$0	\$0	\$41,561	\$0	\$0	\$0	\$0	\$0	\$0
218	RT	Voltage Support	PG&E	N/A	6-Nov-12	20	Yes	INC	3	21:49	23:59	30.00	\$1,444	\$428	(\$737)	\$0	\$0	\$0	\$0	\$0	\$0
219	RT	Voltage Support	PG&E	N/A	7-Nov-12	20	Yes	INC	8	0:00	7:59	170.00	\$12,274	\$0	(\$4,020)	\$0	\$0	\$0	\$0	\$0	\$0

Appendix A: Explanation by Example

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

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

Example 1: Exceptional Dispatch Instructions Prior to DAM

In this fictitious example the ISO issued an exceptional dispatch instruction for resource A to be committed at its Pmin of 50 MW from hours ending 5 through 10 for a generation procedure 7630. Similarly, the ISO issued additional instructions to resources B and C for the same reason as shown in Table 2. Generally exceptional dispatches prior to the day-ahead market are commitments to minimum load. In this case the dispatch levels are all at minimum load. Table 2 below also shows the commitment costs and the total volume (MWh) of exceptional dispatch instruction for each resource. The minimum load costs and start up costs, shown in Table 2 are the eligible minimum load and start up costs which are different from the bid-in minimum load and start up costs⁷. Only those quantities which are relevant to pre-day-ahead unit commitments are shown in this table.

Table 2: Instructions Prior to Day-Ahead Market

Date	Market	Resource	Location	Local Reliability Area (LRA)	Begin Time	End Time	Dispatch level (MW)	Reason	Total Volume (MWh)	Min-Load Cost	Start- Up Cost	CC6620 (BCR)
01-Jul-09	DA	A	SCE	LA BASIN	05:00	10:00	50	7630	300	\$5000	\$0	0
01-Jul-09	DA	B	SCE	LA BASIN	08:00	20:00	30	7630	390	\$6000	\$500	\$4000
01-Jul-09	DA	C	SCE	LA BASIN	09:00	23:00	20	7630	300	\$400	\$1000	\$1000

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

Table 3: FERC Summary of Instructions Prior to DAM

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time	Total Volume (MWh)	Min-Load Cost	Start-Up Cost	CC6620
1	DA	7630	SCE	LA Basin	1-Jul-09	20-100	Yes	N/A	19	05:00	23:00	990	\$11,400	\$1,500	\$5000

⁷ Please refer to the BPM configuration Guide: Bid Cost Recovery Settlements published on the ISO's website for details about eligible minimum load and start up costs.

Example 2: Incremental Exceptional Dispatch Instructions in RTM

In this fictitious example the ISO issued an exceptional dispatch instruction to resource A to be committed at its Pmin of 30 MW from hours ending 7 through 11 after completion of the day-ahead market for the transmission procedure 7110. 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 7110. This resource had a day-ahead schedule of 20 MW from the day-ahead market, which implies that this exceptional dispatch instruction was an incremental instruction and the exceptional dispatch MW was 20 MW. Similarly, the details of exceptional dispatch (ED) instruction for resource C is shown in Table 4. This table also shows volume (MWh) and various real-time charge codes associated with the exceptional dispatch instructions. The total MWh column for each resource shows the sum of all types of imbalance energy quantities for this resource between the begin time and end time which includes both the exceptional dispatch energy quantities and optimal energy quantities.

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

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

Table 4: Incremental Exceptional Dispatch Instructions in RTM

Date	Market	Resource	Location	Local Reliability Area (LRA)	Begin Time	End Time	Dispatch level (MW)	Day-Ahead Award (MW)	Commitment	INC/DEC	ED (MW)	Reason	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488
1-Jul-09	RT	A	PG&E	Humboldt	6:00	11:00	30	0	Yes	INC	30	7110	180	1000	50	800	60	600	0	0	5400
1-Jul-09	RT	B	PG&E	Humboldt	7:00	9:00	40	20	No	INC	20	7110	60	0	0	600	60	600	0	0	5400
1-Jul-09	RT	C	PG&E	Humboldt	12:00	15:00	50	50	No	INC	0	7110	0	0	0	0	0	0	0	0	0
1-Jul-09	RT	C	PG&E	Humboldt	16:00	20:00	50	40	No	INC	10	7110	50	0	0	300	20	300	0	0	200

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

Table 5: FERC Summary of ED Instructions in RTM

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488
1	RT	7110	PG&E	Humboldt	1-Jul-09	0-50	Yes	INC	15	6:00	20:00	290	1000	50	1700	140	1500	0	0	11000

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

Example 3: Decremental Exceptional Dispatch Instructions in RTM

This example highlights decremental exceptional dispatch instructions in the real-time market. In this fictitious example the ISO issued an exceptional dispatch instruction to resource A to be committed at its Pmin of 20 MW from hours ending 15 through 20 after completion of the day-ahead market for the transmission procedure 7430. The ISO issued additional exceptional dispatch instructions for resources B and C; details of those instructions are shown in Table 6. This table also includes volume (MWh) and cost information.

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

Table 6: Decremental Exceptional Dispatch Instructions in RTM

Date	Market Type	Resource	Location	Local Reliability Area (LRA)	Begin Time	End Time	Dispatch level (MW)	Day-Ahead Award (MW)	Commitment	INC/DEC	ED (MW)	Reason	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488
1-Jul-09	RT	A	PG&E	Fresno	15:00	20:00	20	0	Yes	INC	20	7430	120	\$ 120	\$ 100	\$ -	0	\$ -	\$ -	\$ -	\$ -
1-Jul-09	RT	B	PG&E	Fresno	7:00	9:00	40	60	No	DEC	20	7430	(60)	\$ -	\$ -	\$ 600	-60	\$ -	\$ 600	\$ -	\$2,400
1-Jul-09	RT	C	PG&E	Fresno	10:00	14:00	40	50	No	DEC	10	7430	(50)	\$ -	\$ -	\$ 500	-50	\$ -	\$ 500	\$ -	\$2,000

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

Table 7: FERC Summary of Decremental ED Instructions in RTM

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488
1	RT	7430	PG&E	Fresno	1-Jul-09	20	Yes	INC	6	15:00	20:00	120	\$ 120	\$ 100	\$ -	0	\$ -	\$ -	\$ -	\$ -
2	RT	7430	PG&E	Fresno	1-Jul-09	10-20	Yes	DEC	8	7:00	14:00	(110)	\$ -	\$ -	\$ (1,100)	\$ (110)	\$ -	\$ (1,100)	\$ -	\$ (4,400)

Appendix B: Price Impact Analysis

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

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

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

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

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

Table 8 shows the price impact analysis information for node A, which is located in the PG&E area. This table shows all the five minute intervals in which the resource at PNode A was issued an exceptional dispatch instruction. Out of the 8640 five-minute intervals in November, this resource was issued exceptional dispatch instructions in 1743 five-minute intervals. This resource was eligible to set the LMP in 1678 intervals. Resource calculated LMP was larger than the market LMP in 1472 of the 1678 intervals. In the 1472 intervals, the average increase in five minute LMP was \$10.84/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 \$10.84/MWh. Note that 1472 five minute intervals are approximately 17.04 percent of the total 8640 five minute intervals.

Table 9 shows the price impact analysis information for node B, which is located in the SCE area. This table shows all the five minute intervals in which the resource at PNode B was issued an exceptional dispatch instruction. Out of the 8640 five minute intervals, this resource was issued an exceptional dispatch instruction in 2399 five minute intervals. This resource was eligible to set the LMP in 2135 intervals. Out of the 2135 intervals, resource calculated LMP was larger than the market LMP in 1872 intervals. In the 1872 intervals, the average increase in five minute LMP was \$736.76/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 \$736.76/MWh. The 1872 five minute intervals account for approximately 21.67 percent of the total 8640 five minute intervals.

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

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1	1-Nov-12	1	1	\$26.90	Yes	\$40.99	\$14.09
2	1-Nov-12	1	2	\$27.55	Yes	\$40.99	\$13.44
3	1-Nov-12	1	3	\$28.41	Yes	\$40.99	\$12.58
4	1-Nov-12	1	4	\$31.26	Yes	\$40.99	\$9.73
5	1-Nov-12	1	5	\$32.57	Yes	\$40.99	\$8.42
6	1-Nov-12	1	6	\$35.37	Yes	\$40.99	\$5.62
7	1-Nov-12	1	7	\$27.78	Yes	\$40.99	\$13.21
8	1-Nov-12	1	8	\$27.75	Yes	\$40.99	\$13.24
9	1-Nov-12	1	9	\$27.78	Yes	\$40.99	\$13.21
10	1-Nov-12	1	10	\$27.88	Yes	\$40.99	\$13.11
11	1-Nov-12	1	11	\$27.83	Yes	\$40.99	\$13.16
12	1-Nov-12	1	12	\$27.34	Yes	\$40.99	\$13.65
13	1-Nov-12	2	1	\$27.84	Yes	\$40.99	\$13.15
14	1-Nov-12	2	2	\$27.26	Yes	\$40.99	\$13.73
15	1-Nov-12	2	3	\$26.68	Yes	\$40.99	\$14.31
16	1-Nov-12	2	4	\$26.59	Yes	\$40.99	\$14.40
17	1-Nov-12	2	5	\$26.59	Yes	\$40.99	\$14.40
18	1-Nov-12	2	6	\$26.54	Yes	\$40.99	\$14.45
19	1-Nov-12	2	7	\$26.47	Yes	\$40.99	\$14.52
20	1-Nov-12	2	8	\$26.12	Yes	\$40.99	\$14.87
21	1-Nov-12	2	9	\$26.14	Yes	\$40.99	\$14.85
22	1-Nov-12	2	10	\$26.08	Yes	\$40.99	\$14.91
23	1-Nov-12	2	11	\$26.08	Yes	\$40.99	\$14.91
24	1-Nov-12	2	12	\$26.08	Yes	\$40.99	\$14.91
25	1-Nov-12	3	1	\$26.12	Yes	\$40.99	\$14.87
26	1-Nov-12	3	2	\$26.12	Yes	\$40.99	\$14.87
27	1-Nov-12	3	3	\$26.17	Yes	\$40.99	\$14.82
28	1-Nov-12	3	4	\$26.30	Yes	\$40.99	\$14.69
29	1-Nov-12	3	5	\$26.30	Yes	\$40.99	\$14.69
30	1-Nov-12	3	6	\$26.30	Yes	\$40.99	\$14.69
31	1-Nov-12	3	7	\$26.20	Yes	\$40.99	\$14.79
32	1-Nov-12	3	8	\$26.13	Yes	\$40.99	\$14.86
33	1-Nov-12	3	9	\$26.19	Yes	\$40.99	\$14.80
34	1-Nov-12	3	10	\$26.15	Yes	\$40.99	\$14.84
35	1-Nov-12	3	11	\$26.15	Yes	\$40.99	\$14.84
36	1-Nov-12	3	12	\$26.23	Yes	\$40.99	\$14.76
37	1-Nov-12	4	1	\$26.16	Yes	\$40.99	\$14.83
38	1-Nov-12	4	2	\$26.16	Yes	\$40.99	\$14.83
39	1-Nov-12	4	3	\$26.22	Yes	\$40.99	\$14.77
40	1-Nov-12	4	4	\$26.20	Yes	\$40.99	\$14.79
41	1-Nov-12	4	5	\$26.20	Yes	\$40.99	\$14.79

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
42	1-Nov-12	4	6	\$26.20	Yes	\$40.99	\$14.79
43	1-Nov-12	4	7	\$26.18	Yes	\$40.99	\$14.81
44	1-Nov-12	4	8	\$26.18	Yes	\$40.99	\$14.81
45	1-Nov-12	4	9	\$26.18	Yes	\$40.99	\$14.81
46	1-Nov-12	4	10	\$26.19	Yes	\$40.99	\$14.80
47	1-Nov-12	4	11	\$26.12	Yes	\$40.99	\$14.87
48	1-Nov-12	4	12	\$26.23	Yes	\$40.99	\$14.76
49	1-Nov-12	5	1	\$23.99	Yes	\$40.99	\$17.00
50	1-Nov-12	5	2	\$25.48	Yes	\$40.99	\$15.51
51	1-Nov-12	5	3	\$26.01	Yes	\$40.99	\$14.98
52	1-Nov-12	5	4	\$26.00	Yes	\$40.99	\$14.99
53	1-Nov-12	5	5	\$25.92	Yes	\$40.99	\$15.07
54	1-Nov-12	5	6	\$26.10	Yes	\$40.99	\$14.89
55	1-Nov-12	5	7	\$26.12	Yes	\$40.99	\$14.87
56	1-Nov-12	5	8	\$26.12	Yes	\$40.99	\$14.87
57	1-Nov-12	5	9	\$26.12	Yes	\$40.99	\$14.87
58	1-Nov-12	5	10	\$27.43	Yes	\$40.99	\$13.56
59	1-Nov-12	5	11	\$27.43	Yes	\$40.99	\$13.56
60	1-Nov-12	5	12	\$27.43	Yes	\$40.99	\$13.56
61	1-Nov-12	6	1	\$26.30	Yes	\$40.99	\$14.69
62	1-Nov-12	6	2	\$27.05	Yes	\$40.99	\$13.94
63	1-Nov-12	6	3	\$26.37	Yes	\$40.99	\$14.62
64	1-Nov-12	6	4	\$26.33	Yes	\$40.99	\$14.66
65	1-Nov-12	6	5	\$26.96	Yes	\$40.99	\$14.03
66	1-Nov-12	6	6	\$27.06	Yes	\$40.99	\$13.93
67	1-Nov-12	6	7	\$26.68	Yes	\$40.99	\$14.31
68	1-Nov-12	6	8	\$31.24	Yes	\$40.99	\$9.75
69	1-Nov-12	6	9	\$32.87	Yes	\$40.99	\$8.12
70	1-Nov-12	6	10	\$36.81	Yes	\$40.99	\$4.18
71	1-Nov-12	6	11	\$32.04	Yes	\$40.99	\$8.95
72	1-Nov-12	6	12	\$32.04	Yes	\$40.99	\$8.95
73	1-Nov-12	7	1	\$20.77	Yes	\$40.99	\$20.22
74	1-Nov-12	7	2	\$24.80	Yes	\$40.99	\$16.19
75	1-Nov-12	7	3	\$25.05	Yes	\$40.99	\$15.94
76	1-Nov-12	7	4	\$27.91	Yes	\$40.99	\$13.08
77	1-Nov-12	7	5	\$28.04	Yes	\$40.99	\$12.95
78	1-Nov-12	7	6	\$30.42	Yes	\$40.99	\$10.57
79	1-Nov-12	7	7	\$29.26	Yes	\$40.99	\$11.73
80	1-Nov-12	7	8	\$29.26	Yes	\$40.99	\$11.73
81	1-Nov-12	7	9	\$35.04	Yes	\$40.99	\$5.95
82	1-Nov-12	7	10	\$37.81	Yes	\$40.99	\$3.18
83	1-Nov-12	7	11	\$44.17	Yes	\$40.99	(\$3.18)
84	1-Nov-12	7	12	\$59.62	Yes	\$40.99	(\$18.63)
85	1-Nov-12	8	1	\$30.96	Yes	\$40.99	\$10.03
86	1-Nov-12	8	2	\$31.60	Yes	\$40.99	\$9.39

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
87	1-Nov-12	8	3	\$30.87	Yes	\$40.99	\$10.12
88	1-Nov-12	8	4	\$32.54	Yes	\$40.99	\$8.45
89	1-Nov-12	8	5	\$33.44	Yes	\$40.99	\$7.55
90	1-Nov-12	8	6	\$34.52	Yes	\$40.99	\$6.47
91	1-Nov-12	8	7	\$32.78	Yes	\$40.99	\$8.21
92	1-Nov-12	8	8	\$31.96	Yes	\$40.99	\$9.03
93	1-Nov-12	8	9	\$31.35	Yes	\$40.99	\$9.64
94	1-Nov-12	8	10	\$32.00	Yes	\$40.99	\$8.99
95	1-Nov-12	8	11	\$32.04	Yes	\$40.99	\$8.95
96	1-Nov-12	8	12	\$34.50	Yes	\$40.99	\$6.49
97	1-Nov-12	9	1	\$35.14	Yes	\$40.99	\$5.85
98	1-Nov-12	9	2	\$32.05	Yes	\$40.99	\$8.94
99	1-Nov-12	9	3	\$32.97	Yes	\$40.99	\$8.02
100	1-Nov-12	9	4	\$32.96	Yes	\$40.99	\$8.03
101	1-Nov-12	9	5	\$32.96	Yes	\$40.99	\$8.03
102	1-Nov-12	9	6	\$32.96	Yes	\$40.99	\$8.03
103	1-Nov-12	9	7	\$33.45	Yes	\$40.99	\$7.54
104	1-Nov-12	9	8	\$33.45	Yes	\$40.99	\$7.54
105	1-Nov-12	9	9	\$33.45	Yes	\$40.99	\$7.54
106	1-Nov-12	9	10	\$32.93	Yes	\$40.99	\$8.06
107	1-Nov-12	9	11	\$35.22	Yes	\$40.99	\$5.77
108	1-Nov-12	9	12	\$35.22	Yes	\$40.99	\$5.77
109	1-Nov-12	10	1	\$27.94	Yes	\$40.99	\$13.05
110	1-Nov-12	10	2	\$30.83	Yes	\$40.99	\$10.16
111	1-Nov-12	10	3	\$29.81	Yes	\$40.99	\$11.18
112	1-Nov-12	10	4	\$32.02	Yes	\$40.99	\$8.97
113	1-Nov-12	10	5	\$35.82	Yes	\$40.99	\$5.17
114	1-Nov-12	10	6	\$35.82	Yes	\$40.99	\$5.17
115	1-Nov-12	10	7	\$39.02	Yes	\$40.99	\$1.97
116	1-Nov-12	10	8	\$39.07	Yes	\$40.99	\$1.92
117	1-Nov-12	10	9	\$40.50	Yes	\$40.99	\$0.49
118	1-Nov-12	10	10	\$42.24	Yes	\$40.99	(\$1.25)
119	1-Nov-12	10	11	\$42.03	Yes	\$40.99	(\$1.04)
120	1-Nov-12	10	12	\$42.24	Yes	\$40.99	(\$1.25)
121	1-Nov-12	11	1	\$45.12	Yes	\$40.99	(\$4.13)
122	1-Nov-12	11	2	\$35.62	Yes	\$40.99	\$5.37
123	1-Nov-12	11	3	\$35.05	Yes	\$40.99	\$5.94
124	1-Nov-12	11	4	\$34.36	Yes	\$40.99	\$6.63
125	1-Nov-12	11	5	\$35.06	Yes	\$40.99	\$5.93
126	1-Nov-12	11	6	\$35.06	Yes	\$40.99	\$5.93
127	1-Nov-12	11	7	\$42.30	Yes	\$40.99	(\$1.31)
128	1-Nov-12	11	8	\$38.95	Yes	\$40.99	\$2.04
129	1-Nov-12	11	9	\$36.25	Yes	\$40.99	\$4.74
130	1-Nov-12	11	10	\$33.04	Yes	\$40.99	\$7.95
131	1-Nov-12	11	11	\$34.39	Yes	\$40.99	\$6.60

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
132	1-Nov-12	11	12	\$33.04	Yes	\$40.99	\$7.95
133	1-Nov-12	12	1	\$32.24	Yes	\$40.99	\$8.75
134	1-Nov-12	12	2	\$31.98	Yes	\$40.99	\$9.01
135	1-Nov-12	12	3	\$985.82	Yes	\$40.99	(\$944.83)
136	1-Nov-12	12	4	\$100.88	Yes	\$40.99	(\$59.89)
137	1-Nov-12	12	5	\$122.79	Yes	\$40.99	(\$81.80)
138	1-Nov-12	12	6	\$123.08	Yes	\$40.99	(\$82.09)
139	1-Nov-12	12	7	\$123.10	Yes	\$40.99	(\$82.11)
140	1-Nov-12	12	8	\$31.04	Yes	\$40.99	\$9.95
141	1-Nov-12	12	9	\$32.14	Yes	\$40.99	\$8.85
142	1-Nov-12	12	10	\$31.58	Yes	\$40.99	\$9.41
143	1-Nov-12	12	11	\$32.42	Yes	\$40.99	\$8.57
144	1-Nov-12	12	12	\$35.74	Yes	\$40.99	\$5.25
145	1-Nov-12	13	1	\$34.00	Yes	\$40.99	\$6.99
146	1-Nov-12	13	2	\$31.07	Yes	\$40.99	\$9.92
147	1-Nov-12	13	3	\$29.75	Yes	\$40.99	\$11.24
148	1-Nov-12	13	4	\$29.78	Yes	\$40.99	\$11.21
149	1-Nov-12	13	5	\$30.93	Yes	\$40.99	\$10.06
150	1-Nov-12	13	6	\$30.92	Yes	\$40.99	\$10.07
151	1-Nov-12	13	7	\$29.01	Yes	\$40.99	\$11.98
152	1-Nov-12	13	8	\$28.88	Yes	\$40.99	\$12.11
153	1-Nov-12	13	9	\$29.78	Yes	\$40.99	\$11.21
154	1-Nov-12	13	10	\$29.76	Yes	\$40.99	\$11.23
155	1-Nov-12	13	11	\$29.80	Yes	\$40.99	\$11.19
156	1-Nov-12	13	12	\$31.58	Yes	\$40.99	\$9.41
157	1-Nov-12	14	1	\$45.17	Yes	\$40.99	(\$4.18)
158	1-Nov-12	14	2	\$40.98	Yes	\$40.99	\$0.01
159	1-Nov-12	14	3	\$48.64	Yes	\$40.99	(\$7.65)
160	1-Nov-12	14	4	\$32.92	Yes	\$40.99	\$8.07
161	1-Nov-12	14	5	\$29.81	Yes	\$40.99	\$11.18
162	1-Nov-12	14	6	\$29.71	Yes	\$40.99	\$11.28
163	1-Nov-12	14	7	\$31.14	Yes	\$40.99	\$9.85
164	1-Nov-12	14	8	\$31.00	Yes	\$40.99	\$9.99
165	1-Nov-12	14	9	\$29.81	Yes	\$40.99	\$11.18
166	1-Nov-12	14	10	\$30.99	Yes	\$40.99	\$10.00
167	1-Nov-12	14	11	\$30.98	Yes	\$40.99	\$10.01
168	1-Nov-12	14	12	\$29.82	Yes	\$40.99	\$11.17
169	1-Nov-12	15	1	\$30.27	Yes	\$40.99	\$10.72
170	1-Nov-12	15	2	\$29.97	Yes	\$40.99	\$11.02
171	1-Nov-12	15	3	\$55.90	Yes	\$40.99	(\$14.91)
172	1-Nov-12	15	4	\$35.02	Yes	\$40.99	\$5.97
173	1-Nov-12	15	5	\$30.59	Yes	\$40.99	\$10.40
174	1-Nov-12	15	6	\$31.00	Yes	\$40.99	\$9.99
175	1-Nov-12	15	7	\$31.04	Yes	\$40.99	\$9.95
176	1-Nov-12	15	8	\$31.07	Yes	\$40.99	\$9.92

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
177	1-Nov-12	15	9	\$29.82	Yes	\$40.99	\$11.17
178	1-Nov-12	15	10	\$31.34	Yes	\$40.99	\$9.65
179	1-Nov-12	15	11	\$31.16	Yes	\$40.99	\$9.83
180	1-Nov-12	15	12	\$31.52	Yes	\$40.99	\$9.47
181	1-Nov-12	16	1	\$29.85	Yes	\$40.99	\$11.14
182	1-Nov-12	16	2	\$29.85	Yes	\$40.99	\$11.14
183	1-Nov-12	16	3	\$30.42	Yes	\$40.99	\$10.57
184	1-Nov-12	16	4	\$31.45	Yes	\$40.99	\$9.54
185	1-Nov-12	16	5	\$31.45	Yes	\$40.99	\$9.54
186	1-Nov-12	16	6	\$32.78	Yes	\$40.99	\$8.21
187	1-Nov-12	16	7	\$32.88	Yes	\$40.99	\$8.11
188	1-Nov-12	16	8	\$32.88	Yes	\$40.99	\$8.11
189	1-Nov-12	16	9	\$32.88	Yes	\$40.99	\$8.11
190	1-Nov-12	16	10	\$31.53	Yes	\$40.99	\$9.46
191	1-Nov-12	16	11	\$29.51	Yes	\$40.99	\$11.48
192	1-Nov-12	16	12	\$29.92	Yes	\$40.99	\$11.07
193	1-Nov-12	17	1	\$26.87	Yes	\$40.99	\$14.12
194	1-Nov-12	17	2	\$26.61	Yes	\$40.99	\$14.38
195	1-Nov-12	17	3	\$26.87	Yes	\$40.99	\$14.12
196	1-Nov-12	17	4	\$27.37	Yes	\$40.99	\$13.62
197	1-Nov-12	17	5	\$29.98	Yes	\$40.99	\$11.01
198	1-Nov-12	17	6	\$30.72	Yes	\$40.99	\$10.27
199	1-Nov-12	17	7	\$27.37	Yes	\$40.99	\$13.62
200	1-Nov-12	17	8	\$27.42	Yes	\$40.99	\$13.57
201	1-Nov-12	17	9	\$27.42	Yes	\$40.99	\$13.57
202	1-Nov-12	17	10	\$27.67	Yes	\$40.99	\$13.32
203	1-Nov-12	17	11	\$28.15	Yes	\$40.99	\$12.84
204	1-Nov-12	17	12	\$29.17	Yes	\$40.99	\$11.82
205	1-Nov-12	18	1	\$27.87	Yes	\$40.99	\$13.12
206	1-Nov-12	18	2	\$26.56	Yes	\$40.99	\$14.43
207	1-Nov-12	18	3	\$26.83	Yes	\$40.99	\$14.16
208	1-Nov-12	18	4	\$27.27	Yes	\$40.99	\$13.72
209	1-Nov-12	18	5	\$26.58	Yes	\$40.99	\$14.41
210	1-Nov-12	18	6	\$27.27	Yes	\$40.99	\$13.72
211	1-Nov-12	18	7	\$29.77	Yes	\$40.99	\$11.22
212	1-Nov-12	18	8	\$29.42	Yes	\$40.99	\$11.57
213	1-Nov-12	18	9	\$30.00	Yes	\$40.99	\$10.99
214	1-Nov-12	18	10	\$30.92	Yes	\$40.99	\$10.07
215	1-Nov-12	18	11	\$31.29	Yes	\$40.99	\$9.70
216	1-Nov-12	18	12	\$34.42	Yes	\$40.99	\$6.57
217	1-Nov-12	19	1	\$29.41	Yes	\$40.99	\$11.58
218	1-Nov-12	19	2	\$30.32	Yes	\$40.99	\$10.67
219	1-Nov-12	19	3	\$31.25	Yes	\$40.99	\$9.74
220	1-Nov-12	19	4	\$32.71	Yes	\$40.99	\$8.28
221	1-Nov-12	19	5	\$33.10	Yes	\$40.99	\$7.89

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
222	1-Nov-12	19	6	\$32.70	Yes	\$40.99	\$8.29
223	1-Nov-12	19	7	\$38.68	Yes	\$40.99	\$2.31
224	1-Nov-12	19	8	\$40.73	Yes	\$40.99	\$0.26
225	1-Nov-12	19	9	\$34.84	Yes	\$40.99	\$6.15
226	1-Nov-12	19	10	\$41.54	Yes	\$40.99	(\$0.55)
227	1-Nov-12	19	11	\$36.07	Yes	\$40.99	\$4.92
228	1-Nov-12	19	12	\$51.91	Yes	\$40.99	(\$10.92)
229	1-Nov-12	20	1	\$53.54	Yes	\$40.99	(\$12.55)
230	1-Nov-12	20	2	\$41.62	Yes	\$40.99	(\$0.63)
231	1-Nov-12	20	3	\$55.17	Yes	\$40.99	(\$14.18)
232	1-Nov-12	20	4	\$41.26	Yes	\$40.99	(\$0.27)
233	1-Nov-12	20	5	\$36.14	Yes	\$40.99	\$4.85
234	1-Nov-12	20	6	\$35.15	Yes	\$40.99	\$5.84
235	1-Nov-12	20	7	\$36.41	Yes	\$40.99	\$4.58
236	1-Nov-12	20	8	\$35.26	Yes	\$40.99	\$5.73
237	1-Nov-12	20	9	\$34.11	Yes	\$40.99	\$6.88
238	1-Nov-12	20	10	\$32.13	Yes	\$40.99	\$8.86
239	1-Nov-12	20	11	\$30.75	Yes	\$40.99	\$10.24
240	1-Nov-12	20	12	\$31.70	Yes	\$40.99	\$9.29
241	1-Nov-12	21	1	\$38.99	Yes	\$40.99	\$2.00
242	1-Nov-12	21	2	\$44.33	Yes	\$40.99	(\$3.34)
243	1-Nov-12	21	3	\$41.03	Yes	\$40.99	(\$0.04)
244	1-Nov-12	21	4	\$35.93	Yes	\$40.99	\$5.06
245	1-Nov-12	21	5	\$41.04	Yes	\$40.99	(\$0.05)
246	1-Nov-12	21	6	\$37.10	Yes	\$40.99	\$3.89
247	1-Nov-12	21	7	\$36.29	Yes	\$40.99	\$4.70
248	1-Nov-12	21	8	\$30.54	Yes	\$40.99	\$10.45
249	1-Nov-12	21	9	\$30.54	Yes	\$40.99	\$10.45
250	1-Nov-12	21	10	\$31.83	Yes	\$40.99	\$9.16
251	1-Nov-12	21	11	\$30.52	Yes	\$40.99	\$10.47
252	1-Nov-12	21	12	\$29.42	Yes	\$40.99	\$11.57
253	1-Nov-12	22	1	\$36.16	Yes	\$40.99	\$4.83
254	1-Nov-12	22	2	\$45.83	Yes	\$40.99	(\$4.84)
255	1-Nov-12	22	3	\$44.28	Yes	\$40.99	(\$3.29)
256	1-Nov-12	22	4	\$40.96	Yes	\$40.99	\$0.03
257	1-Nov-12	22	5	\$42.10	Yes	\$40.99	(\$1.11)
258	1-Nov-12	22	6	\$36.65	Yes	\$40.99	\$4.34
259	1-Nov-12	22	7	\$34.92	Yes	\$40.99	\$6.07
260	1-Nov-12	22	8	\$32.25	Yes	\$40.99	\$8.74
261	1-Nov-12	22	9	\$32.13	Yes	\$40.99	\$8.86
262	1-Nov-12	22	10	\$31.48	Yes	\$40.99	\$9.51
263	1-Nov-12	22	11	\$30.15	Yes	\$40.99	\$10.84
264	1-Nov-12	22	12	\$30.15	Yes	\$40.99	\$10.84
265	1-Nov-12	23	1	\$39.51	Yes	\$40.99	\$1.48
266	1-Nov-12	23	2	\$42.21	Yes	\$40.99	(\$1.22)

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
267	1-Nov-12	23	3	\$45.46	Yes	\$40.99	(\$4.47)
268	1-Nov-12	23	4	\$44.65	Yes	\$40.99	(\$3.66)
269	1-Nov-12	23	5	\$39.69	Yes	\$40.99	\$1.30
270	1-Nov-12	23	6	\$33.89	Yes	\$40.99	\$7.10
271	1-Nov-12	23	7	\$30.92	Yes	\$40.99	\$10.07
272	1-Nov-12	23	8	\$30.91	Yes	\$40.99	\$10.08
273	1-Nov-12	23	9	\$28.93	Yes	\$40.99	\$12.06
274	1-Nov-12	23	10	\$26.79	Yes	\$40.99	\$14.20
275	1-Nov-12	23	11	\$26.72	Yes	\$40.99	\$14.27
276	1-Nov-12	23	12	\$25.93	Yes	\$40.99	\$15.06
277	1-Nov-12	24	1	\$31.22	Yes	\$40.99	\$9.77
278	1-Nov-12	24	2	\$32.05	Yes	\$40.99	\$8.94
279	1-Nov-12	24	3	\$31.23	Yes	\$40.99	\$9.76
280	1-Nov-12	24	4	\$32.04	Yes	\$40.99	\$8.95
281	1-Nov-12	24	5	\$32.04	Yes	\$40.99	\$8.95
282	1-Nov-12	24	6	\$38.60	Yes	\$40.99	\$2.39
283	1-Nov-12	24	7	\$32.21	Yes	\$40.99	\$8.78
284	1-Nov-12	24	8	\$30.97	Yes	\$40.99	\$10.02
285	1-Nov-12	24	9	\$27.91	Yes	\$40.99	\$13.08
286	1-Nov-12	24	10	\$29.04	Yes	\$40.99	\$11.95
287	1-Nov-12	24	11	\$29.04	Yes	\$40.99	\$11.95
288	1-Nov-12	24	12	\$28.02	Yes	\$40.99	\$12.97
289	2-Nov-12	1	1	\$27.95	Yes	\$40.79	\$12.84
290	2-Nov-12	1	2	\$27.30	Yes	\$40.79	\$13.49
291	2-Nov-12	1	3	\$28.56	Yes	\$40.79	\$12.23
292	2-Nov-12	1	4	\$26.60	Yes	\$40.79	\$14.19
293	2-Nov-12	1	5	\$26.71	Yes	\$40.79	\$14.08
294	2-Nov-12	1	6	\$26.60	Yes	\$40.79	\$14.19
295	2-Nov-12	1	7	\$26.36	Yes	\$40.79	\$14.43
296	2-Nov-12	1	8	\$26.40	Yes	\$40.79	\$14.39
297	2-Nov-12	1	9	\$26.33	Yes	\$40.79	\$14.46
298	2-Nov-12	1	10	\$26.28	Yes	\$40.79	\$14.51
299	2-Nov-12	1	11	\$26.28	Yes	\$40.79	\$14.51
300	2-Nov-12	1	12	\$26.28	Yes	\$40.79	\$14.51
301	2-Nov-12	2	1	\$27.13	Yes	\$40.79	\$13.66
302	2-Nov-12	2	2	\$27.13	Yes	\$40.79	\$13.66
303	2-Nov-12	2	3	\$26.99	Yes	\$40.79	\$13.80
304	2-Nov-12	2	4	\$26.31	Yes	\$40.79	\$14.48
305	2-Nov-12	2	5	\$26.31	Yes	\$40.79	\$14.48
306	2-Nov-12	2	6	\$26.31	Yes	\$40.79	\$14.48
307	2-Nov-12	2	7	\$26.24	Yes	\$40.79	\$14.55
308	2-Nov-12	2	8	\$26.24	Yes	\$40.79	\$14.55
309	2-Nov-12	2	9	\$26.24	Yes	\$40.79	\$14.55
310	2-Nov-12	2	10	\$26.22	Yes	\$40.79	\$14.57
311	2-Nov-12	2	11	\$26.22	Yes	\$40.79	\$14.57

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
312	2-Nov-12	2	12	\$25.63	Yes	\$40.79	\$15.16
313	2-Nov-12	3	1	\$26.26	Yes	\$40.79	\$14.53
314	2-Nov-12	3	2	\$26.81	Yes	\$40.79	\$13.98
315	2-Nov-12	3	3	\$27.28	Yes	\$40.79	\$13.51
316	2-Nov-12	3	4	\$26.95	Yes	\$40.79	\$13.84
317	2-Nov-12	3	5	\$26.53	Yes	\$40.79	\$14.26
318	2-Nov-12	3	6	\$26.53	Yes	\$40.79	\$14.26
319	2-Nov-12	3	7	\$26.16	Yes	\$40.79	\$14.63
320	2-Nov-12	3	8	\$26.16	Yes	\$40.79	\$14.63
321	2-Nov-12	3	9	\$26.16	Yes	\$40.79	\$14.63
322	2-Nov-12	3	10	\$26.37	Yes	\$40.79	\$14.42
323	2-Nov-12	3	11	\$26.10	Yes	\$40.79	\$14.69
324	2-Nov-12	3	12	\$26.02	Yes	\$40.79	\$14.77
325	2-Nov-12	4	1	\$26.18	Yes	\$40.79	\$14.61
326	2-Nov-12	4	2	\$26.18	Yes	\$40.79	\$14.61
327	2-Nov-12	4	3	\$26.18	Yes	\$40.79	\$14.61
328	2-Nov-12	4	4	\$26.19	Yes	\$40.79	\$14.60
329	2-Nov-12	4	5	\$26.19	Yes	\$40.79	\$14.60
330	2-Nov-12	4	6	\$26.19	Yes	\$40.79	\$14.60
331	2-Nov-12	4	7	\$25.59	Yes	\$40.79	\$15.20
332	2-Nov-12	4	8	\$25.59	Yes	\$40.79	\$15.20
333	2-Nov-12	4	9	\$25.58	Yes	\$40.79	\$15.21
334	2-Nov-12	4	10	\$26.17	Yes	\$40.79	\$14.62
335	2-Nov-12	4	11	\$24.27	Yes	\$40.79	\$16.52
336	2-Nov-12	4	12	\$25.68	Yes	\$40.79	\$15.11
337	2-Nov-12	5	1	\$16.28	Yes	\$40.79	\$24.51
338	2-Nov-12	5	2	\$16.28	Yes	\$40.79	\$24.51
339	2-Nov-12	5	3	\$1.04	Yes	\$40.79	\$39.75
340	2-Nov-12	5	4	\$26.35	Yes	\$40.79	\$14.44
341	2-Nov-12	5	5	\$26.13	Yes	\$40.79	\$14.66
342	2-Nov-12	5	6	\$26.13	Yes	\$40.79	\$14.66
343	2-Nov-12	5	7	\$26.21	Yes	\$40.79	\$14.58
344	2-Nov-12	5	8	\$27.39	Yes	\$40.79	\$13.40
345	2-Nov-12	5	9	\$27.39	Yes	\$40.79	\$13.40
346	2-Nov-12	5	10	\$27.79	Yes	\$40.79	\$13.00
347	2-Nov-12	5	11	\$27.13	Yes	\$40.79	\$13.66
348	2-Nov-12	5	12	\$29.90	Yes	\$40.79	\$10.89
349	2-Nov-12	6	1	\$27.41	Yes	\$40.79	\$13.38
350	2-Nov-12	6	2	\$28.91	Yes	\$40.79	\$11.88
351	2-Nov-12	6	3	\$26.11	Yes	\$40.79	\$14.68
352	2-Nov-12	6	4	\$28.62	Yes	\$40.79	\$12.17
353	2-Nov-12	6	5	\$31.18	Yes	\$40.79	\$9.61
354	2-Nov-12	6	6	\$30.97	Yes	\$40.79	\$9.82
355	2-Nov-12	6	7	\$30.42	Yes	\$40.79	\$10.37
356	2-Nov-12	6	8	\$30.43	Yes	\$40.79	\$10.36

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
357	2-Nov-12	6	9	\$30.42	Yes	\$40.79	\$10.37
358	2-Nov-12	6	10	\$31.63	Yes	\$40.79	\$9.16
359	2-Nov-12	6	11	\$30.66	Yes	\$40.79	\$10.13
360	2-Nov-12	6	12	\$30.69	Yes	\$40.79	\$10.10
361	2-Nov-12	7	1	\$25.55	Yes	\$40.79	\$15.24
362	2-Nov-12	7	2	\$24.22	Yes	\$40.79	\$16.57
363	2-Nov-12	7	3	\$25.23	Yes	\$40.79	\$15.56
364	2-Nov-12	7	4	\$28.41	Yes	\$40.79	\$12.38
365	2-Nov-12	7	5	\$29.44	Yes	\$40.79	\$11.35
366	2-Nov-12	7	6	\$30.60	Yes	\$40.79	\$10.19
367	2-Nov-12	7	7	\$32.93	Yes	\$40.79	\$7.86
368	2-Nov-12	7	8	\$37.00	Yes	\$40.79	\$3.79
369	2-Nov-12	7	9	\$46.18	Yes	\$40.79	(\$5.39)
370	2-Nov-12	7	10	\$39.25	Yes	\$40.79	\$1.54
371	2-Nov-12	7	11	\$46.65	Yes	\$40.79	(\$5.86)
372	2-Nov-12	7	12	\$56.22	Yes	\$40.79	(\$15.43)
373	2-Nov-12	8	1	\$37.57	Yes	\$40.79	\$3.22
374	2-Nov-12	8	2	\$57.47	Yes	\$40.79	(\$16.68)
375	2-Nov-12	8	3	\$84.54	Yes	\$40.79	(\$43.75)
376	2-Nov-12	8	4	\$123.41	Yes	\$40.79	(\$82.62)
377	2-Nov-12	8	5	\$50.82	Yes	\$40.79	(\$10.03)
378	2-Nov-12	8	6	\$43.75	Yes	\$40.79	(\$2.96)
379	2-Nov-12	8	7	\$43.55	Yes	\$40.79	(\$2.76)
380	2-Nov-12	8	8	\$32.98	Yes	\$40.79	\$7.81
381	2-Nov-12	8	9	\$32.98	Yes	\$40.79	\$7.81
382	2-Nov-12	8	10	\$32.98	Yes	\$40.79	\$7.81
383	2-Nov-12	8	11	\$32.98	Yes	\$40.79	\$7.81
384	2-Nov-12	8	12	\$36.56	Yes	\$40.79	\$4.23
385	2-Nov-12	9	1	\$38.28	Yes	\$40.79	\$2.51
386	2-Nov-12	9	2	\$40.95	Yes	\$40.79	(\$0.16)
387	2-Nov-12	9	3	\$40.51	Yes	\$40.79	\$0.28
388	2-Nov-12	9	4	\$38.92	Yes	\$40.79	\$1.87
389	2-Nov-12	9	5	\$39.91	Yes	\$40.79	\$0.88
390	2-Nov-12	9	6	\$40.14	Yes	\$40.79	\$0.65
391	2-Nov-12	9	7	\$41.15	Yes	\$40.79	(\$0.36)
392	2-Nov-12	9	8	\$40.88	Yes	\$40.79	(\$0.09)
393	2-Nov-12	9	9	\$40.88	Yes	\$40.79	(\$0.09)
394	2-Nov-12	9	10	\$40.84	Yes	\$40.79	(\$0.05)
395	2-Nov-12	9	11	\$41.12	Yes	\$40.79	(\$0.33)
396	2-Nov-12	9	12	\$37.75	Yes	\$40.79	\$3.04
397	2-Nov-12	10	1	\$36.76	Yes	\$40.79	\$4.03
398	2-Nov-12	10	2	\$37.68	Yes	\$40.79	\$3.11
399	2-Nov-12	10	3	\$44.58	Yes	\$40.79	(\$3.79)
400	2-Nov-12	10	4	\$41.88	Yes	\$40.79	(\$1.09)
401	2-Nov-12	10	5	\$41.88	Yes	\$40.79	(\$1.09)

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
402	2-Nov-12	10	6	\$41.62	Yes	\$40.79	(\$0.83)
403	2-Nov-12	10	7	\$41.78	Yes	\$40.79	(\$0.99)
404	2-Nov-12	10	8	\$41.76	Yes	\$40.79	(\$0.97)
405	2-Nov-12	10	9	\$41.74	Yes	\$40.79	(\$0.95)
406	2-Nov-12	10	10	\$41.90	Yes	\$40.79	(\$1.11)
407	2-Nov-12	10	11	\$41.90	Yes	\$40.79	(\$1.11)
408	2-Nov-12	10	12	\$42.56	Yes	\$40.79	(\$1.77)
409	2-Nov-12	11	1	\$41.70	Yes	\$40.79	(\$0.91)
410	2-Nov-12	11	2	\$41.77	Yes	\$40.79	(\$0.98)
411	2-Nov-12	11	3	\$41.70	Yes	\$40.79	(\$0.91)
412	2-Nov-12	11	4	\$41.86	Yes	\$40.79	(\$1.07)
413	2-Nov-12	11	5	\$41.92	Yes	\$40.79	(\$1.13)
414	2-Nov-12	11	6	\$41.93	Yes	\$40.79	(\$1.14)
415	2-Nov-12	11	7	\$41.95	Yes	\$40.79	(\$1.16)
416	2-Nov-12	11	8	\$42.30	Yes	\$40.79	(\$1.51)
417	2-Nov-12	11	9	\$42.34	Yes	\$40.79	(\$1.55)
418	2-Nov-12	11	10	\$42.57	Yes	\$40.79	(\$1.78)
419	2-Nov-12	11	11	\$41.89	Yes	\$40.79	(\$1.10)
420	2-Nov-12	11	12	\$41.05	Yes	\$40.79	(\$0.26)
421	2-Nov-12	12	1	\$41.85	Yes	\$40.79	(\$1.06)
422	2-Nov-12	12	2	\$41.85	Yes	\$40.79	(\$1.06)
423	2-Nov-12	12	3	\$41.91	Yes	\$40.79	(\$1.12)
424	2-Nov-12	12	4	\$41.90	Yes	\$40.79	(\$1.11)
425	2-Nov-12	12	5	\$41.90	Yes	\$40.79	(\$1.11)
426	2-Nov-12	12	6	\$41.91	Yes	\$40.79	(\$1.12)
427	2-Nov-12	12	7	\$40.82	Yes	\$40.79	(\$0.03)
428	2-Nov-12	12	8	\$40.84	Yes	\$40.79	(\$0.05)
429	2-Nov-12	12	9	\$39.32	Yes	\$40.79	\$1.47
430	2-Nov-12	12	10	\$36.16	Yes	\$40.79	\$4.63
431	2-Nov-12	12	11	\$36.16	Yes	\$40.79	\$4.63
432	2-Nov-12	12	12	\$36.96	Yes	\$40.79	\$3.83
433	2-Nov-12	13	1	\$38.27	Yes	\$40.79	\$2.52
434	2-Nov-12	13	2	\$36.85	Yes	\$40.79	\$3.94
435	2-Nov-12	13	3	\$42.23	Yes	\$40.79	(\$1.44)
436	2-Nov-12	13	4	\$41.59	Yes	\$40.79	(\$0.80)
437	2-Nov-12	13	5	\$40.62	Yes	\$40.79	\$0.17
438	2-Nov-12	13	6	\$39.46	Yes	\$40.79	\$1.33
439	2-Nov-12	13	7	\$36.68	Yes	\$40.79	\$4.11
440	2-Nov-12	13	8	\$38.92	Yes	\$40.79	\$1.87
441	2-Nov-12	13	9	\$39.86	Yes	\$40.79	\$0.93
442	2-Nov-12	13	10	\$44.32	Yes	\$40.79	(\$3.53)
443	2-Nov-12	13	11	\$41.28	Yes	\$40.79	(\$0.49)
444	2-Nov-12	13	12	\$36.37	Yes	\$40.79	\$4.42
445	2-Nov-12	14	1	\$45.53	Yes	\$40.79	(\$4.74)
446	2-Nov-12	14	2	\$44.19	Yes	\$40.79	(\$3.40)

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
447	2-Nov-12	14	3	\$45.17	Yes	\$40.79	(\$4.38)
448	2-Nov-12	14	4	\$44.66	Yes	\$40.79	(\$3.87)
449	2-Nov-12	14	5	\$42.25	Yes	\$40.79	(\$1.46)
450	2-Nov-12	14	6	\$42.25	Yes	\$40.79	(\$1.46)
451	2-Nov-12	14	7	\$41.98	Yes	\$40.79	(\$1.19)
452	2-Nov-12	14	8	\$42.41	Yes	\$40.79	(\$1.62)
453	2-Nov-12	14	9	\$42.41	Yes	\$40.79	(\$1.62)
454	2-Nov-12	14	10	\$43.13	Yes	\$40.79	(\$2.34)
455	2-Nov-12	14	11	\$42.43	Yes	\$40.79	(\$1.64)
456	2-Nov-12	14	12	\$42.29	Yes	\$40.79	(\$1.50)
457	2-Nov-12	15	1	\$42.20	Yes	\$40.79	(\$1.41)
458	2-Nov-12	15	2	\$41.86	Yes	\$40.79	(\$1.07)
459	2-Nov-12	15	3	\$42.03	Yes	\$40.79	(\$1.24)
460	2-Nov-12	15	4	\$41.89	Yes	\$40.79	(\$1.10)
461	2-Nov-12	15	5	\$41.97	Yes	\$40.79	(\$1.18)
462	2-Nov-12	15	6	\$41.87	Yes	\$40.79	(\$1.08)
463	2-Nov-12	15	7	\$41.91	Yes	\$40.79	(\$1.12)
464	2-Nov-12	15	8	\$41.91	Yes	\$40.79	(\$1.12)
465	2-Nov-12	15	9	\$42.20	Yes	\$40.79	(\$1.41)
466	2-Nov-12	15	10	\$43.35	Yes	\$40.79	(\$2.56)
467	2-Nov-12	15	11	\$42.67	Yes	\$40.79	(\$1.88)
468	2-Nov-12	15	12	\$43.81	Yes	\$40.79	(\$3.02)
469	2-Nov-12	16	1	\$38.53	Yes	\$40.79	\$2.26
470	2-Nov-12	16	2	\$41.92	Yes	\$40.79	(\$1.13)
471	2-Nov-12	16	3	\$36.77	Yes	\$40.79	\$4.02
472	2-Nov-12	16	4	\$37.53	Yes	\$40.79	\$3.26
473	2-Nov-12	16	5	\$38.38	Yes	\$40.79	\$2.41
474	2-Nov-12	16	6	\$42.06	Yes	\$40.79	(\$1.27)
475	2-Nov-12	16	7	\$41.89	Yes	\$40.79	(\$1.10)
476	2-Nov-12	16	8	\$41.58	Yes	\$40.79	(\$0.79)
477	2-Nov-12	16	9	\$41.55	Yes	\$40.79	(\$0.76)
478	2-Nov-12	16	10	\$41.53	Yes	\$40.79	(\$0.74)
479	2-Nov-12	16	11	\$42.14	Yes	\$40.79	(\$1.35)
480	2-Nov-12	16	12	\$43.83	Yes	\$40.79	(\$3.04)
481	2-Nov-12	17	1	\$34.91	Yes	\$40.79	\$5.88
482	2-Nov-12	17	2	\$35.06	Yes	\$40.79	\$5.73
483	2-Nov-12	17	3	\$36.61	Yes	\$40.79	\$4.18
484	2-Nov-12	17	4	\$98.39	Yes	\$40.79	(\$57.60)
485	2-Nov-12	17	5	\$42.75	Yes	\$40.79	(\$1.96)
486	2-Nov-12	17	6	\$42.99	Yes	\$40.79	(\$2.20)
487	2-Nov-12	17	7	\$35.26	Yes	\$40.79	\$5.53
488	2-Nov-12	17	8	\$40.88	Yes	\$40.79	(\$0.09)
489	2-Nov-12	17	9	\$42.97	Yes	\$40.79	(\$2.18)
490	2-Nov-12	17	10	\$45.48	Yes	\$40.79	(\$4.69)
491	2-Nov-12	17	11	\$48.13	Yes	\$40.79	(\$7.34)

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
492	2-Nov-12	17	12	\$55.27	Yes	\$40.79	(\$14.48)
493	2-Nov-12	18	1	\$35.45	Yes	\$40.79	\$5.34
494	2-Nov-12	18	2	\$35.45	Yes	\$40.79	\$5.34
495	2-Nov-12	18	3	\$36.11	Yes	\$40.79	\$4.68
496	2-Nov-12	18	4	\$37.73	Yes	\$40.79	\$3.06
497	2-Nov-12	18	5	\$40.62	Yes	\$40.79	\$0.17
498	2-Nov-12	18	6	\$42.85	Yes	\$40.79	(\$2.06)
499	2-Nov-12	18	7	\$37.46	Yes	\$40.79	\$3.33
500	2-Nov-12	18	8	\$57.43	Yes	\$40.79	(\$16.64)
501	2-Nov-12	18	9	\$107.43	Yes	\$40.79	(\$66.64)
502	2-Nov-12	18	10	\$47.28	Yes	\$40.79	(\$6.49)
503	2-Nov-12	18	11	\$47.72	Yes	\$40.79	(\$6.93)
504	2-Nov-12	18	12	\$55.03	Yes	\$40.79	(\$14.24)
505	2-Nov-12	19	2	\$37.63	Yes	\$40.79	\$3.16
506	2-Nov-12	19	3	\$37.63	Yes	\$40.79	\$3.16
507	2-Nov-12	19	4	\$40.43	Yes	\$40.79	\$0.36
508	2-Nov-12	19	5	\$47.32	Yes	\$40.79	(\$6.53)
509	2-Nov-12	19	6	\$48.30	Yes	\$40.79	(\$7.51)
510	2-Nov-12	19	7	\$49.16	Yes	\$40.79	(\$8.37)
511	2-Nov-12	19	8	\$49.50	Yes	\$40.79	(\$8.71)
512	2-Nov-12	19	9	\$48.16	Yes	\$40.79	(\$7.37)
513	2-Nov-12	19	10	\$50.86	Yes	\$40.79	(\$10.07)
514	2-Nov-12	19	11	\$55.87	Yes	\$40.79	(\$15.08)
515	2-Nov-12	19	12	\$38.69	Yes	\$40.79	\$2.10
516	2-Nov-12	20	1	\$36.05	Yes	\$40.79	\$4.74
517	2-Nov-12	20	2	\$37.12	Yes	\$40.79	\$3.67
518	2-Nov-12	20	3	\$37.16	Yes	\$40.79	\$3.63
519	2-Nov-12	20	4	\$37.53	Yes	\$40.79	\$3.26
520	2-Nov-12	20	5	\$37.53	Yes	\$40.79	\$3.26
521	2-Nov-12	20	6	\$40.33	Yes	\$40.79	\$0.46
522	2-Nov-12	20	7	\$41.99	Yes	\$40.79	(\$1.20)
523	2-Nov-12	20	8	\$41.75	Yes	\$40.79	(\$0.96)
524	2-Nov-12	20	9	\$40.11	Yes	\$40.79	\$0.68
525	2-Nov-12	20	10	\$39.47	Yes	\$40.79	\$1.32
526	2-Nov-12	20	11	\$38.34	Yes	\$40.79	\$2.45
527	2-Nov-12	20	12	\$33.32	Yes	\$40.79	\$7.47
528	2-Nov-12	21	1	\$115.52	Yes	\$40.79	(\$74.73)
529	2-Nov-12	21	2	\$114.59	Yes	\$40.79	(\$73.80)
530	2-Nov-12	21	3	\$61.96	Yes	\$40.79	(\$21.17)
531	2-Nov-12	21	4	\$50.07	Yes	\$40.79	(\$9.28)
532	2-Nov-12	21	5	\$51.38	Yes	\$40.79	(\$10.59)
533	2-Nov-12	21	6	\$50.15	Yes	\$40.79	(\$9.36)
534	2-Nov-12	21	7	\$49.07	Yes	\$40.79	(\$8.28)
535	2-Nov-12	21	8	\$45.90	Yes	\$40.79	(\$5.11)
536	2-Nov-12	21	9	\$42.12	Yes	\$40.79	(\$1.33)

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
537	2-Nov-12	21	10	\$46.88	Yes	\$40.79	(\$6.09)
538	2-Nov-12	21	11	\$39.91	Yes	\$40.79	\$0.88
539	2-Nov-12	21	12	\$39.91	Yes	\$40.79	\$0.88
540	2-Nov-12	22	1	\$42.82	Yes	\$40.79	(\$2.03)
541	2-Nov-12	22	2	\$40.27	Yes	\$40.79	\$0.52
542	2-Nov-12	22	3	\$40.27	Yes	\$40.79	\$0.52
543	2-Nov-12	22	4	\$41.31	Yes	\$40.79	(\$0.52)
544	2-Nov-12	22	5	\$40.03	Yes	\$40.79	\$0.76
545	2-Nov-12	22	6	\$39.81	Yes	\$40.79	\$0.98
546	2-Nov-12	22	7	\$38.44	Yes	\$40.79	\$2.35
547	2-Nov-12	22	8	\$38.44	Yes	\$40.79	\$2.35
548	2-Nov-12	22	9	\$34.47	Yes	\$40.79	\$6.32
549	2-Nov-12	22	10	\$36.75	Yes	\$40.79	\$4.04
550	2-Nov-12	22	11	\$33.87	Yes	\$40.79	\$6.92
551	2-Nov-12	22	12	\$33.14	Yes	\$40.79	\$7.65
552	2-Nov-12	23	1	\$34.36	Yes	\$40.79	\$6.43
553	2-Nov-12	23	2	\$33.34	Yes	\$40.79	\$7.45
554	2-Nov-12	23	3	\$33.31	Yes	\$40.79	\$7.48
555	2-Nov-12	23	4	\$33.89	Yes	\$40.79	\$6.90
556	2-Nov-12	23	5	\$33.32	Yes	\$40.79	\$7.47
557	2-Nov-12	23	6	\$32.47	Yes	\$40.79	\$8.32
558	2-Nov-12	23	7	\$34.18	Yes	\$40.79	\$6.61
559	2-Nov-12	23	8	\$33.21	Yes	\$40.79	\$7.58
560	2-Nov-12	23	9	\$34.18	Yes	\$40.79	\$6.61
561	2-Nov-12	23	10	\$33.10	Yes	\$40.79	\$7.69
562	2-Nov-12	23	11	\$32.05	Yes	\$40.79	\$8.74
563	2-Nov-12	23	12	\$30.84	Yes	\$40.79	\$9.95
564	2-Nov-12	24	1	\$32.05	Yes	\$40.79	\$8.74
565	2-Nov-12	24	2	\$32.03	Yes	\$40.79	\$8.76
566	2-Nov-12	24	3	\$32.03	Yes	\$40.79	\$8.76
567	2-Nov-12	24	4	\$31.45	Yes	\$40.79	\$9.34
568	2-Nov-12	24	5	\$31.98	Yes	\$40.79	\$8.81
569	2-Nov-12	24	6	\$31.98	Yes	\$40.79	\$8.81
570	2-Nov-12	24	7	\$34.05	Yes	\$40.79	\$6.74
571	2-Nov-12	24	8	\$33.05	Yes	\$40.79	\$7.74
572	2-Nov-12	24	9	\$32.92	Yes	\$40.79	\$7.87
573	2-Nov-12	24	10	\$32.20	Yes	\$40.79	\$8.59
574	2-Nov-12	24	11	\$32.20	Yes	\$40.79	\$8.59
575	2-Nov-12	24	12	\$32.20	Yes	\$40.79	\$8.59
576	3-Nov-12	1	1	\$28.32	Yes	\$38.79	\$10.47
577	3-Nov-12	1	2	\$31.08	Yes	\$38.79	\$7.71
578	3-Nov-12	1	3	\$41.44	Yes	\$38.79	(\$2.65)
579	3-Nov-12	1	4	\$34.31	Yes	\$38.79	\$4.48
580	3-Nov-12	1	5	\$31.58	Yes	\$38.79	\$7.21
581	3-Nov-12	1	6	\$31.58	Yes	\$38.79	\$7.21

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
582	3-Nov-12	1	7	\$31.31	Yes	\$38.79	\$7.48
583	3-Nov-12	1	8	\$28.24	Yes	\$38.79	\$10.55
584	3-Nov-12	1	9	\$27.02	Yes	\$38.79	\$11.77
585	3-Nov-12	1	10	\$26.24	Yes	\$38.79	\$12.55
586	3-Nov-12	1	11	\$26.24	Yes	\$38.79	\$12.55
587	3-Nov-12	1	12	\$25.60	Yes	\$38.79	\$13.19
588	3-Nov-12	2	1	\$27.40	Yes	\$38.79	\$11.39
589	3-Nov-12	2	2	\$27.40	Yes	\$38.79	\$11.39
590	3-Nov-12	2	3	\$26.81	Yes	\$38.79	\$11.98
591	3-Nov-12	2	4	\$26.21	Yes	\$38.79	\$12.58
592	3-Nov-12	2	5	\$26.14	Yes	\$38.79	\$12.65
593	3-Nov-12	2	6	\$25.83	Yes	\$38.79	\$12.96
594	3-Nov-12	2	7	\$25.43	Yes	\$38.79	\$13.36
595	3-Nov-12	2	8	\$25.43	Yes	\$38.79	\$13.36
596	3-Nov-12	2	9	\$25.43	Yes	\$38.79	\$13.36
597	3-Nov-12	2	10	\$25.39	Yes	\$38.79	\$13.40
598	3-Nov-12	2	11	\$24.88	Yes	\$38.79	\$13.91
599	3-Nov-12	2	12	\$24.08	Yes	\$38.79	\$14.71
600	3-Nov-12	3	1	\$24.82	Yes	\$38.79	\$13.97
601	3-Nov-12	3	2	\$25.43	Yes	\$38.79	\$13.36
602	3-Nov-12	3	3	\$28.14	Yes	\$38.79	\$10.65
603	3-Nov-12	3	4	\$26.38	Yes	\$38.79	\$12.41
604	3-Nov-12	3	5	\$26.20	Yes	\$38.79	\$12.59
605	3-Nov-12	3	6	\$26.19	Yes	\$38.79	\$12.60
606	3-Nov-12	3	7	\$26.14	Yes	\$38.79	\$12.65
607	3-Nov-12	3	8	\$25.41	Yes	\$38.79	\$13.38
608	3-Nov-12	3	9	\$25.41	Yes	\$38.79	\$13.38
609	3-Nov-12	3	10	\$26.17	Yes	\$38.79	\$12.62
610	3-Nov-12	3	11	\$25.45	Yes	\$38.79	\$13.34
611	3-Nov-12	3	12	\$24.79	Yes	\$38.79	\$14.00
612	3-Nov-12	4	1	\$25.54	Yes	\$38.79	\$13.25
613	3-Nov-12	4	2	\$25.16	Yes	\$38.79	\$13.63
614	3-Nov-12	4	3	\$25.54	Yes	\$38.79	\$13.25
615	3-Nov-12	4	4	\$25.54	Yes	\$38.79	\$13.25
616	3-Nov-12	4	5	\$25.54	Yes	\$38.79	\$13.25
617	3-Nov-12	4	6	\$25.54	Yes	\$38.79	\$13.25
618	3-Nov-12	4	7	\$24.99	Yes	\$38.79	\$13.80
619	3-Nov-12	4	8	\$25.27	Yes	\$38.79	\$13.52
620	3-Nov-12	4	9	\$26.10	Yes	\$38.79	\$12.69
621	3-Nov-12	4	10	\$26.76	Yes	\$38.79	\$12.03
622	3-Nov-12	4	11	\$27.59	Yes	\$38.79	\$11.20
623	3-Nov-12	4	12	\$29.17	Yes	\$38.79	\$9.62
624	3-Nov-12	5	1	\$28.40	Yes	\$38.79	\$10.39
625	3-Nov-12	5	2	\$29.19	Yes	\$38.79	\$9.60
626	3-Nov-12	5	3	\$29.19	Yes	\$38.79	\$9.60

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
627	3-Nov-12	5	4	\$29.28	Yes	\$38.79	\$9.51
628	3-Nov-12	5	5	\$29.28	Yes	\$38.79	\$9.51
629	3-Nov-12	5	6	\$29.28	Yes	\$38.79	\$9.51
630	3-Nov-12	5	7	\$29.38	Yes	\$38.79	\$9.41
631	3-Nov-12	5	8	\$29.38	Yes	\$38.79	\$9.41
632	3-Nov-12	5	9	\$27.13	Yes	\$38.79	\$11.66
633	3-Nov-12	5	10	\$28.53	Yes	\$38.79	\$10.26
634	3-Nov-12	5	11	\$28.53	Yes	\$38.79	\$10.26
635	3-Nov-12	5	12	\$27.14	Yes	\$38.79	\$11.65
636	3-Nov-12	6	1	\$25.46	Yes	\$38.79	\$13.33
637	3-Nov-12	6	2	\$25.66	Yes	\$38.79	\$13.13
638	3-Nov-12	6	3	\$26.20	Yes	\$38.79	\$12.59
639	3-Nov-12	6	4	\$26.22	Yes	\$38.79	\$12.57
640	3-Nov-12	6	5	\$26.13	Yes	\$38.79	\$12.66
641	3-Nov-12	6	6	\$26.32	Yes	\$38.79	\$12.47
642	3-Nov-12	6	7	\$26.09	Yes	\$38.79	\$12.70
643	3-Nov-12	6	8	\$26.20	Yes	\$38.79	\$12.59
644	3-Nov-12	6	9	\$26.20	Yes	\$38.79	\$12.59
645	3-Nov-12	6	10	\$26.53	Yes	\$38.79	\$12.26
646	3-Nov-12	6	11	\$26.78	Yes	\$38.79	\$12.01
647	3-Nov-12	6	12	\$27.53	Yes	\$38.79	\$11.26
648	3-Nov-12	7	1	\$24.52	Yes	\$38.79	\$14.27
649	3-Nov-12	7	2	\$25.19	Yes	\$38.79	\$13.60
650	3-Nov-12	7	3	\$26.15	Yes	\$38.79	\$12.64
651	3-Nov-12	7	4	\$26.46	Yes	\$38.79	\$12.33
652	3-Nov-12	7	5	\$27.04	Yes	\$38.79	\$11.75
653	3-Nov-12	7	6	\$27.27	Yes	\$38.79	\$11.52
654	3-Nov-12	7	7	\$25.20	Yes	\$38.79	\$13.59
655	3-Nov-12	7	8	\$26.04	Yes	\$38.79	\$12.75
656	3-Nov-12	7	9	\$26.17	Yes	\$38.79	\$12.62
657	3-Nov-12	7	10	\$27.10	Yes	\$38.79	\$11.69
658	3-Nov-12	7	11	\$27.32	Yes	\$38.79	\$11.47
659	3-Nov-12	7	12	\$27.86	Yes	\$38.79	\$10.93
660	3-Nov-12	8	1	\$24.75	Yes	\$38.79	\$14.04
661	3-Nov-12	8	2	\$24.84	Yes	\$38.79	\$13.95
662	3-Nov-12	8	3	\$25.44	Yes	\$38.79	\$13.35
663	3-Nov-12	8	4	\$25.57	Yes	\$38.79	\$13.22
664	3-Nov-12	8	5	\$25.65	Yes	\$38.79	\$13.14
665	3-Nov-12	8	6	\$26.44	Yes	\$38.79	\$12.35
666	3-Nov-12	8	7	\$28.82	Yes	\$38.79	\$9.97
667	3-Nov-12	8	8	\$28.82	Yes	\$38.79	\$9.97
668	3-Nov-12	8	9	\$28.82	Yes	\$38.79	\$9.97
669	3-Nov-12	8	10	\$28.90	Yes	\$38.79	\$9.89
670	3-Nov-12	8	11	\$28.90	Yes	\$38.79	\$9.89
671	3-Nov-12	8	12	\$29.79	Yes	\$38.79	\$9.00

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
672	3-Nov-12	9	1	\$29.86	Yes	\$38.79	\$8.93
673	3-Nov-12	9	2	\$29.86	Yes	\$38.79	\$8.93
674	3-Nov-12	9	3	\$29.86	Yes	\$38.79	\$8.93
675	3-Nov-12	9	4	\$30.48	Yes	\$38.79	\$8.31
676	3-Nov-12	9	5	\$30.48	Yes	\$38.79	\$8.31
677	3-Nov-12	9	6	\$30.48	Yes	\$38.79	\$8.31
678	3-Nov-12	9	7	\$30.47	Yes	\$38.79	\$8.32
679	3-Nov-12	9	8	\$30.50	Yes	\$38.79	\$8.29
680	3-Nov-12	9	9	\$30.93	Yes	\$38.79	\$7.86
681	3-Nov-12	9	10	\$31.56	Yes	\$38.79	\$7.23
682	3-Nov-12	9	11	\$31.56	Yes	\$38.79	\$7.23
683	3-Nov-12	9	12	\$30.96	Yes	\$38.79	\$7.83
684	3-Nov-12	10	1	\$28.51	Yes	\$38.79	\$10.28
685	3-Nov-12	10	2	\$25.89	Yes	\$38.79	\$12.90
686	3-Nov-12	10	3	\$25.75	Yes	\$38.79	\$13.04
687	3-Nov-12	10	4	\$25.95	Yes	\$38.79	\$12.84
688	3-Nov-12	10	5	\$26.88	Yes	\$38.79	\$11.91
689	3-Nov-12	10	6	\$27.78	Yes	\$38.79	\$11.01
690	3-Nov-12	10	7	\$26.91	Yes	\$38.79	\$11.88
691	3-Nov-12	10	8	\$26.91	Yes	\$38.79	\$11.88
692	3-Nov-12	10	9	\$26.91	Yes	\$38.79	\$11.88
693	3-Nov-12	10	10	\$26.94	Yes	\$38.79	\$11.85
694	3-Nov-12	10	11	\$27.83	Yes	\$38.79	\$10.96
695	3-Nov-12	10	12	\$28.50	Yes	\$38.79	\$10.29
696	3-Nov-12	11	1	\$27.85	Yes	\$38.79	\$10.94
697	3-Nov-12	11	2	\$28.82	Yes	\$38.79	\$9.97
698	3-Nov-12	11	3	\$27.93	Yes	\$38.79	\$10.86
699	3-Nov-12	11	4	\$29.24	Yes	\$38.79	\$9.55
700	3-Nov-12	11	5	\$29.28	Yes	\$38.79	\$9.51
701	3-Nov-12	11	6	\$28.92	Yes	\$38.79	\$9.87
702	3-Nov-12	11	7	\$29.64	Yes	\$38.79	\$9.15
703	3-Nov-12	11	8	\$29.64	Yes	\$38.79	\$9.15
704	3-Nov-12	11	9	\$29.64	Yes	\$38.79	\$9.15
705	3-Nov-12	11	10	\$29.76	Yes	\$38.79	\$9.03
706	3-Nov-12	11	11	\$29.78	Yes	\$38.79	\$9.01
707	3-Nov-12	11	12	\$26.81	Yes	\$38.79	\$11.98
708	3-Nov-12	12	1	\$25.87	Yes	\$38.79	\$12.92
709	3-Nov-12	12	2	\$26.71	Yes	\$38.79	\$12.08
710	3-Nov-12	12	3	\$27.78	Yes	\$38.79	\$11.01
711	3-Nov-12	12	4	\$28.03	Yes	\$38.79	\$10.76
712	3-Nov-12	12	5	\$28.03	Yes	\$38.79	\$10.76
713	3-Nov-12	12	6	\$28.03	Yes	\$38.79	\$10.76
714	3-Nov-12	12	7	\$28.21	Yes	\$38.79	\$10.58
715	3-Nov-12	12	8	\$28.21	Yes	\$38.79	\$10.58
716	3-Nov-12	12	9	\$25.60	Yes	\$38.79	\$13.19

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
717	3-Nov-12	12	10	\$27.80	Yes	\$38.79	\$10.99
718	3-Nov-12	12	11	\$28.13	Yes	\$38.79	\$10.66
719	3-Nov-12	12	12	\$28.13	Yes	\$38.79	\$10.66
720	3-Nov-12	13	1	\$26.81	Yes	\$38.79	\$11.98
721	3-Nov-12	13	2	\$25.89	Yes	\$38.79	\$12.90
722	3-Nov-12	13	3	\$26.37	Yes	\$38.79	\$12.42
723	3-Nov-12	13	4	\$26.38	Yes	\$38.79	\$12.41
724	3-Nov-12	13	5	\$25.84	Yes	\$38.79	\$12.95
725	3-Nov-12	13	6	\$25.84	Yes	\$38.79	\$12.95
726	3-Nov-12	13	7	\$25.81	Yes	\$38.79	\$12.98
727	3-Nov-12	13	8	\$25.89	Yes	\$38.79	\$12.90
728	3-Nov-12	13	9	\$25.89	Yes	\$38.79	\$12.90
729	3-Nov-12	13	10	\$26.61	Yes	\$38.79	\$12.18
730	3-Nov-12	13	11	\$26.61	Yes	\$38.79	\$12.18
731	3-Nov-12	13	12	\$26.79	Yes	\$38.79	\$12.00
732	3-Nov-12	14	1	\$26.96	Yes	\$38.79	\$11.83
733	3-Nov-12	14	2	\$27.77	Yes	\$38.79	\$11.02
734	3-Nov-12	14	3	\$26.96	Yes	\$38.79	\$11.83
735	3-Nov-12	14	4	\$26.94	Yes	\$38.79	\$11.85
736	3-Nov-12	14	5	\$26.94	Yes	\$38.79	\$11.85
737	3-Nov-12	14	6	\$26.76	Yes	\$38.79	\$12.03
738	3-Nov-12	14	7	\$27.47	Yes	\$38.79	\$11.32
739	3-Nov-12	14	8	\$27.47	Yes	\$38.79	\$11.32
740	3-Nov-12	14	9	\$27.47	Yes	\$38.79	\$11.32
741	3-Nov-12	14	10	\$27.69	Yes	\$38.79	\$11.10
742	3-Nov-12	14	11	\$28.48	Yes	\$38.79	\$10.31
743	3-Nov-12	14	12	\$28.48	Yes	\$38.79	\$10.31
744	3-Nov-12	15	1	\$27.12	Yes	\$38.79	\$11.67
745	3-Nov-12	15	2	\$26.95	Yes	\$38.79	\$11.84
746	3-Nov-12	15	3	\$26.88	Yes	\$38.79	\$11.91
747	3-Nov-12	15	4	\$26.97	Yes	\$38.79	\$11.82
748	3-Nov-12	15	5	\$27.07	Yes	\$38.79	\$11.72
749	3-Nov-12	15	6	\$27.10	Yes	\$38.79	\$11.69
750	3-Nov-12	15	7	\$27.25	Yes	\$38.79	\$11.54
751	3-Nov-12	15	8	\$27.25	Yes	\$38.79	\$11.54
752	3-Nov-12	15	9	\$27.25	Yes	\$38.79	\$11.54
753	3-Nov-12	15	10	\$27.25	Yes	\$38.79	\$11.54
754	3-Nov-12	15	11	\$27.25	Yes	\$38.79	\$11.54
755	3-Nov-12	15	12	\$26.47	Yes	\$38.79	\$12.32
756	3-Nov-12	16	1	\$26.29	Yes	\$38.79	\$12.50
757	3-Nov-12	16	2	\$26.36	Yes	\$38.79	\$12.43
758	3-Nov-12	16	3	\$26.36	Yes	\$38.79	\$12.43
759	3-Nov-12	16	4	\$26.30	Yes	\$38.79	\$12.49
760	3-Nov-12	16	5	\$26.30	Yes	\$38.79	\$12.49
761	3-Nov-12	16	6	\$26.30	Yes	\$38.79	\$12.49

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
762	3-Nov-12	16	7	\$26.47	Yes	\$38.79	\$12.32
763	3-Nov-12	16	8	\$27.73	Yes	\$38.79	\$11.06
764	3-Nov-12	16	9	\$26.47	Yes	\$38.79	\$12.32
765	3-Nov-12	16	10	\$28.04	Yes	\$38.79	\$10.75
766	3-Nov-12	16	11	\$28.04	Yes	\$38.79	\$10.75
767	3-Nov-12	16	12	\$27.49	Yes	\$38.79	\$11.30
768	3-Nov-12	17	1	\$26.99	Yes	\$38.79	\$11.80
769	3-Nov-12	17	2	\$26.99	Yes	\$38.79	\$11.80
770	3-Nov-12	17	3	\$27.88	Yes	\$38.79	\$10.91
771	3-Nov-12	17	4	\$29.71	Yes	\$38.79	\$9.08
772	3-Nov-12	17	5	\$29.71	Yes	\$38.79	\$9.08
773	3-Nov-12	17	6	\$32.50	Yes	\$38.79	\$6.29
774	3-Nov-12	17	7	\$32.51	Yes	\$38.79	\$6.28
775	3-Nov-12	17	8	\$33.80	Yes	\$38.79	\$4.99
776	3-Nov-12	17	9	\$33.89	Yes	\$38.79	\$4.90
777	3-Nov-12	17	10	\$32.53	Yes	\$38.79	\$6.26
778	3-Nov-12	17	11	\$33.81	Yes	\$38.79	\$4.98
779	3-Nov-12	17	12	\$35.87	Yes	\$38.79	\$2.92
780	3-Nov-12	18	1	\$27.23	Yes	\$38.79	\$11.56
781	3-Nov-12	18	2	\$27.23	Yes	\$38.79	\$11.56
782	3-Nov-12	18	3	\$27.60	Yes	\$38.79	\$11.19
783	3-Nov-12	18	4	\$27.62	Yes	\$38.79	\$11.17
784	3-Nov-12	18	5	\$27.81	Yes	\$38.79	\$10.98
785	3-Nov-12	18	6	\$29.80	Yes	\$38.79	\$8.99
786	3-Nov-12	18	7	\$33.71	Yes	\$38.79	\$5.08
787	3-Nov-12	18	8	\$34.62	Yes	\$38.79	\$4.17
788	3-Nov-12	18	9	\$35.86	Yes	\$38.79	\$2.93
789	3-Nov-12	18	10	\$39.17	Yes	\$38.79	(\$0.38)
790	3-Nov-12	18	11	\$39.17	Yes	\$38.79	(\$0.38)
791	3-Nov-12	18	12	\$45.05	Yes	\$38.79	(\$6.26)
792	3-Nov-12	19	1	\$32.30	Yes	\$38.79	\$6.49
793	3-Nov-12	19	2	\$28.78	Yes	\$38.79	\$10.01
794	3-Nov-12	19	3	\$33.34	Yes	\$38.79	\$5.45
795	3-Nov-12	19	4	\$32.96	Yes	\$38.79	\$5.83
796	3-Nov-12	19	5	\$32.98	Yes	\$38.79	\$5.81
797	3-Nov-12	19	6	\$34.23	Yes	\$38.79	\$4.56
798	3-Nov-12	19	7	\$34.82	Yes	\$38.79	\$3.97
799	3-Nov-12	19	8	\$35.50	Yes	\$38.79	\$3.29
800	3-Nov-12	19	9	\$42.49	Yes	\$38.79	(\$3.70)
801	3-Nov-12	19	10	\$38.75	Yes	\$38.79	\$0.04
802	3-Nov-12	19	11	\$40.19	Yes	\$38.79	(\$1.40)
803	3-Nov-12	19	12	\$42.48	Yes	\$38.79	(\$3.69)
804	3-Nov-12	20	1	\$39.44	Yes	\$38.79	(\$0.65)
805	3-Nov-12	20	2	\$39.37	Yes	\$38.79	(\$0.58)
806	3-Nov-12	20	3	\$40.13	Yes	\$38.79	(\$1.34)

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
807	3-Nov-12	20	4	\$40.05	Yes	\$38.79	(\$1.26)
808	3-Nov-12	20	5	\$38.75	Yes	\$38.79	\$0.04
809	3-Nov-12	20	6	\$34.72	Yes	\$38.79	\$4.07
810	3-Nov-12	20	7	\$34.44	Yes	\$38.79	\$4.35
811	3-Nov-12	20	8	\$33.53	Yes	\$38.79	\$5.26
812	3-Nov-12	20	9	\$33.56	Yes	\$38.79	\$5.23
813	3-Nov-12	20	10	\$33.43	Yes	\$38.79	\$5.36
814	3-Nov-12	20	11	\$33.38	Yes	\$38.79	\$5.41
815	3-Nov-12	20	12	\$33.23	Yes	\$38.79	\$5.56
816	3-Nov-12	21	1	\$47.91	Yes	\$38.79	(\$9.12)
817	3-Nov-12	21	2	\$38.81	Yes	\$38.79	(\$0.02)
818	3-Nov-12	21	3	\$38.81	Yes	\$38.79	(\$0.02)
819	3-Nov-12	21	4	\$38.81	Yes	\$38.79	(\$0.02)
820	3-Nov-12	21	5	\$38.81	Yes	\$38.79	(\$0.02)
821	3-Nov-12	21	6	\$36.82	Yes	\$38.79	\$1.97
822	3-Nov-12	21	7	\$39.31	Yes	\$38.79	(\$0.52)
823	3-Nov-12	21	8	\$38.81	Yes	\$38.79	(\$0.02)
824	3-Nov-12	21	9	\$39.06	Yes	\$38.79	(\$0.27)
825	3-Nov-12	21	10	\$42.66	Yes	\$38.79	(\$3.87)
826	3-Nov-12	21	11	\$35.23	Yes	\$38.79	\$3.56
827	3-Nov-12	21	12	\$35.23	Yes	\$38.79	\$3.56
828	3-Nov-12	22	1	\$38.82	Yes	\$38.79	(\$0.03)
829	3-Nov-12	22	2	\$35.15	Yes	\$38.79	\$3.64
830	3-Nov-12	22	3	\$39.57	Yes	\$38.79	(\$0.78)
831	3-Nov-12	22	4	\$38.92	Yes	\$38.79	(\$0.13)
832	3-Nov-12	22	5	\$38.49	Yes	\$38.79	\$0.30
833	3-Nov-12	22	6	\$33.25	Yes	\$38.79	\$5.54
834	3-Nov-12	22	7	\$31.61	Yes	\$38.79	\$7.18
835	3-Nov-12	22	8	\$31.61	Yes	\$38.79	\$7.18
836	3-Nov-12	22	9	\$28.47	Yes	\$38.79	\$10.32
837	3-Nov-12	22	10	\$27.39	Yes	\$38.79	\$11.40
838	3-Nov-12	22	11	\$28.40	Yes	\$38.79	\$10.39
839	3-Nov-12	22	12	\$30.43	Yes	\$38.79	\$8.36
840	3-Nov-12	23	1	\$34.92	Yes	\$38.79	\$3.87
841	3-Nov-12	23	2	\$34.00	Yes	\$38.79	\$4.79
842	3-Nov-12	23	3	\$34.92	Yes	\$38.79	\$3.87
843	3-Nov-12	23	4	\$31.69	Yes	\$38.79	\$7.10
844	3-Nov-12	23	5	\$31.69	Yes	\$38.79	\$7.10
845	3-Nov-12	23	6	\$28.54	Yes	\$38.79	\$10.25
846	3-Nov-12	23	7	\$26.94	Yes	\$38.79	\$11.85
847	3-Nov-12	23	8	\$26.29	Yes	\$38.79	\$12.50
848	3-Nov-12	23	9	\$26.00	Yes	\$38.79	\$12.79
849	3-Nov-12	23	10	\$24.99	Yes	\$38.79	\$13.80
850	3-Nov-12	23	11	\$24.99	Yes	\$38.79	\$13.80
851	3-Nov-12	23	12	\$24.74	Yes	\$38.79	\$14.05

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
852	3-Nov-12	24	1	\$28.68	Yes	\$38.79	\$10.11
853	3-Nov-12	24	2	\$32.84	Yes	\$38.79	\$5.95
854	3-Nov-12	24	3	\$39.07	Yes	\$38.79	(\$0.28)
855	3-Nov-12	24	4	\$36.40	Yes	\$38.79	\$2.39
856	3-Nov-12	24	5	\$30.38	Yes	\$38.79	\$8.41
857	3-Nov-12	24	6	\$30.26	Yes	\$38.79	\$8.53
858	3-Nov-12	24	7	\$27.35	Yes	\$38.79	\$11.44
859	3-Nov-12	24	8	\$26.91	Yes	\$38.79	\$11.88
860	3-Nov-12	24	9	\$26.91	Yes	\$38.79	\$11.88
861	3-Nov-12	24	10	\$26.32	Yes	\$38.79	\$12.47
862	3-Nov-12	24	11	\$26.53	Yes	\$38.79	\$12.26
863	3-Nov-12	24	12	\$27.25	Yes	\$38.79	\$11.54
864	4-Nov-12	1	1	\$31.09	Yes	\$38.79	\$7.70
865	4-Nov-12	1	2	\$34.53	Yes	\$38.79	\$4.26
866	4-Nov-12	1	3	\$34.53	Yes	\$38.79	\$4.26
867	4-Nov-12	1	4	\$38.19	Yes	\$38.79	\$0.60
868	4-Nov-12	1	5	\$38.19	Yes	\$38.79	\$0.60
869	4-Nov-12	1	6	\$38.68	Yes	\$38.79	\$0.11
870	4-Nov-12	1	7	\$38.02	Yes	\$38.79	\$0.77
871	4-Nov-12	1	8	\$39.04	Yes	\$38.79	(\$0.25)
872	4-Nov-12	1	9	\$34.94	Yes	\$38.79	\$3.85
873	4-Nov-12	1	10	\$30.22	Yes	\$38.79	\$8.57
874	4-Nov-12	1	11	\$38.68	Yes	\$38.79	\$0.11
875	4-Nov-12	1	12	\$41.91	Yes	\$38.79	(\$3.12)
876	4-Nov-12	2	1	\$38.33	Yes	\$38.79	\$0.46
877	4-Nov-12	2	2	\$30.83	Yes	\$38.79	\$7.96
878	4-Nov-12	2	3	\$28.62	Yes	\$38.79	\$10.17
879	4-Nov-12	2	4	\$28.60	Yes	\$38.79	\$10.19
880	4-Nov-12	2	5	\$28.60	Yes	\$38.79	\$10.19
881	4-Nov-12	2	6	\$28.60	Yes	\$38.79	\$10.19
882	4-Nov-12	2	7	\$28.25	Yes	\$38.79	\$10.54
883	4-Nov-12	2	8	\$27.92	Yes	\$38.79	\$10.87
884	4-Nov-12	2	9	\$28.25	Yes	\$38.79	\$10.54
885	4-Nov-12	2	10	\$28.50	Yes	\$38.79	\$10.29
886	4-Nov-12	2	11	\$28.50	Yes	\$38.79	\$10.29
887	4-Nov-12	2	12	\$24.69	Yes	\$38.79	\$14.10
888	4-Nov-12	3	1	\$26.02	Yes	\$38.79	\$12.77
889	4-Nov-12	3	2	\$26.02	Yes	\$38.79	\$12.77
890	4-Nov-12	3	3	\$26.02	Yes	\$38.79	\$12.77
891	4-Nov-12	3	4	\$26.05	Yes	\$38.79	\$12.74
892	4-Nov-12	3	5	\$26.05	Yes	\$38.79	\$12.74
893	4-Nov-12	3	6	\$26.05	Yes	\$38.79	\$12.74
894	4-Nov-12	3	7	\$26.07	Yes	\$38.79	\$12.72
895	4-Nov-12	3	8	\$23.95	Yes	\$38.79	\$14.84
896	4-Nov-12	3	9	\$24.61	Yes	\$38.79	\$14.18

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
897	4-Nov-12	3	10	\$24.59	Yes	\$38.79	\$14.20
898	4-Nov-12	3	11	\$24.59	Yes	\$38.79	\$14.20
899	4-Nov-12	3	12	\$23.79	Yes	\$38.79	\$15.00
900	4-Nov-12	4	1	\$26.13	Yes	\$38.79	\$12.66
901	4-Nov-12	4	2	\$26.07	Yes	\$38.79	\$12.72
902	4-Nov-12	4	3	\$26.14	Yes	\$38.79	\$12.65
903	4-Nov-12	4	4	\$26.55	Yes	\$38.79	\$12.24
904	4-Nov-12	4	5	\$26.55	Yes	\$38.79	\$12.24
905	4-Nov-12	4	6	\$26.16	Yes	\$38.79	\$12.63
906	4-Nov-12	4	7	\$26.07	Yes	\$38.79	\$12.72
907	4-Nov-12	4	8	\$26.04	Yes	\$38.79	\$12.75
908	4-Nov-12	4	9	\$26.07	Yes	\$38.79	\$12.72
909	4-Nov-12	4	10	\$26.13	Yes	\$38.79	\$12.66
910	4-Nov-12	4	11	\$26.14	Yes	\$38.79	\$12.65
911	4-Nov-12	4	12	\$26.13	Yes	\$38.79	\$12.66
912	4-Nov-12	5	1	\$26.12	Yes	\$38.79	\$12.67
913	4-Nov-12	5	2	\$27.61	Yes	\$38.79	\$11.18
914	4-Nov-12	5	3	\$27.61	Yes	\$38.79	\$11.18
915	4-Nov-12	5	4	\$27.61	Yes	\$38.79	\$11.18
916	4-Nov-12	5	5	\$28.36	Yes	\$38.79	\$10.43
917	4-Nov-12	5	6	\$28.36	Yes	\$38.79	\$10.43
918	4-Nov-12	5	7	\$29.28	Yes	\$38.79	\$9.51
919	4-Nov-12	5	8	\$29.28	Yes	\$38.79	\$9.51
920	4-Nov-12	5	9	\$29.28	Yes	\$38.79	\$9.51
921	4-Nov-12	5	10	\$29.26	Yes	\$38.79	\$9.53
922	4-Nov-12	5	11	\$29.26	Yes	\$38.79	\$9.53
923	4-Nov-12	5	12	\$28.47	Yes	\$38.79	\$10.32
924	4-Nov-12	6	1	\$29.37	Yes	\$38.79	\$9.42
925	4-Nov-12	6	2	\$29.40	Yes	\$38.79	\$9.39
926	4-Nov-12	6	3	\$29.35	Yes	\$38.79	\$9.44
927	4-Nov-12	6	4	\$29.60	Yes	\$38.79	\$9.19
928	4-Nov-12	6	5	\$29.68	Yes	\$38.79	\$9.11
929	4-Nov-12	6	6	\$30.14	Yes	\$38.79	\$8.65
930	4-Nov-12	6	7	\$28.03	Yes	\$38.79	\$10.76
931	4-Nov-12	6	8	\$28.67	Yes	\$38.79	\$10.12
932	4-Nov-12	6	9	\$29.60	Yes	\$38.79	\$9.19
933	4-Nov-12	6	10	\$29.61	Yes	\$38.79	\$9.18
934	4-Nov-12	6	11	\$30.14	Yes	\$38.79	\$8.65
935	4-Nov-12	6	12	\$33.75	Yes	\$38.79	\$5.04
936	4-Nov-12	7	1	\$26.17	Yes	\$38.79	\$12.62
937	4-Nov-12	7	2	\$28.91	Yes	\$38.79	\$9.88
938	4-Nov-12	7	3	\$29.19	Yes	\$38.79	\$9.60
939	4-Nov-12	7	4	\$28.93	Yes	\$38.79	\$9.86
940	4-Nov-12	7	5	\$28.93	Yes	\$38.79	\$9.86
941	4-Nov-12	7	6	\$28.69	Yes	\$38.79	\$10.10

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
942	4-Nov-12	7	7	\$27.35	Yes	\$38.79	\$11.44
943	4-Nov-12	7	8	\$27.35	Yes	\$38.79	\$11.44
944	4-Nov-12	7	9	\$27.35	Yes	\$38.79	\$11.44
945	4-Nov-12	7	10	\$27.45	Yes	\$38.79	\$11.34
946	4-Nov-12	7	11	\$27.29	Yes	\$38.79	\$11.50
947	4-Nov-12	7	12	\$27.45	Yes	\$38.79	\$11.34
948	4-Nov-12	8	1	\$26.12	Yes	\$38.79	\$12.67
949	4-Nov-12	8	2	\$26.24	Yes	\$38.79	\$12.55
950	4-Nov-12	8	3	\$26.26	Yes	\$38.79	\$12.53
951	4-Nov-12	8	4	\$27.57	Yes	\$38.79	\$11.22
952	4-Nov-12	8	5	\$29.03	Yes	\$38.79	\$9.76
953	4-Nov-12	8	6	\$29.19	Yes	\$38.79	\$9.60
954	4-Nov-12	8	7	\$26.58	Yes	\$38.79	\$12.21
955	4-Nov-12	8	8	\$28.72	Yes	\$38.79	\$10.07
956	4-Nov-12	8	9	\$29.71	Yes	\$38.79	\$9.08
957	4-Nov-12	8	10	\$29.77	Yes	\$38.79	\$9.02
958	4-Nov-12	8	11	\$29.80	Yes	\$38.79	\$8.99
959	4-Nov-12	8	12	\$30.29	Yes	\$38.79	\$8.50
960	4-Nov-12	9	1	\$29.92	Yes	\$38.79	\$8.87
961	4-Nov-12	9	2	\$29.50	Yes	\$38.79	\$9.29
962	4-Nov-12	9	3	\$29.92	Yes	\$38.79	\$8.87
963	4-Nov-12	9	4	\$30.02	Yes	\$38.79	\$8.77
964	4-Nov-12	9	5	\$30.49	Yes	\$38.79	\$8.30
965	4-Nov-12	9	6	\$30.02	Yes	\$38.79	\$8.77
966	4-Nov-12	9	7	\$29.75	Yes	\$38.79	\$9.04
967	4-Nov-12	9	8	\$29.75	Yes	\$38.79	\$9.04
968	4-Nov-12	9	9	\$29.62	Yes	\$38.79	\$9.17
969	4-Nov-12	9	10	\$29.81	Yes	\$38.79	\$8.98
970	4-Nov-12	9	11	\$29.81	Yes	\$38.79	\$8.98
971	4-Nov-12	9	12	\$29.66	Yes	\$38.79	\$9.13
972	4-Nov-12	10	1	\$28.66	Yes	\$38.79	\$10.14
973	4-Nov-12	10	2	\$28.41	Yes	\$38.79	\$10.38
974	4-Nov-12	10	3	\$28.66	Yes	\$38.79	\$10.14
975	4-Nov-12	10	4	\$28.92	Yes	\$38.79	\$9.87
976	4-Nov-12	10	5	\$28.18	Yes	\$38.79	\$10.61
977	4-Nov-12	10	6	\$26.73	Yes	\$38.79	\$12.06
978	4-Nov-12	10	7	\$28.34	Yes	\$38.79	\$10.45
979	4-Nov-12	10	8	\$27.83	Yes	\$38.79	\$10.96
980	4-Nov-12	10	9	\$27.83	Yes	\$38.79	\$10.96
981	4-Nov-12	10	10	\$26.80	Yes	\$38.79	\$11.99
982	4-Nov-12	10	11	\$27.55	Yes	\$38.79	\$11.24
983	4-Nov-12	10	12	\$26.80	Yes	\$38.79	\$11.99
984	4-Nov-12	11	1	\$25.67	Yes	\$38.79	\$13.12
985	4-Nov-12	11	2	\$25.67	Yes	\$38.79	\$13.12
986	4-Nov-12	11	3	\$25.67	Yes	\$38.79	\$13.12

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
987	4-Nov-12	11	4	\$27.75	Yes	\$38.79	\$11.04
988	4-Nov-12	11	5	\$27.75	Yes	\$38.79	\$11.04
989	4-Nov-12	11	6	\$28.42	Yes	\$38.79	\$10.37
990	4-Nov-12	11	7	\$28.45	Yes	\$38.79	\$10.34
991	4-Nov-12	11	8	\$28.90	Yes	\$38.79	\$9.89
992	4-Nov-12	11	9	\$29.17	Yes	\$38.79	\$9.62
993	4-Nov-12	11	10	\$29.39	Yes	\$38.79	\$9.40
994	4-Nov-12	11	11	\$29.36	Yes	\$38.79	\$9.43
995	4-Nov-12	11	12	\$27.59	Yes	\$38.79	\$11.20
996	4-Nov-12	12	1	\$27.57	Yes	\$38.79	\$11.22
997	4-Nov-12	12	2	\$27.49	Yes	\$38.79	\$11.30
998	4-Nov-12	12	3	\$27.63	Yes	\$38.79	\$11.16
999	4-Nov-12	12	4	\$29.37	Yes	\$38.79	\$9.42
1000	4-Nov-12	12	5	\$29.37	Yes	\$38.79	\$9.42
1001	4-Nov-12	12	6	\$29.41	Yes	\$38.79	\$9.38
1002	4-Nov-12	12	7	\$30.21	Yes	\$38.79	\$8.58
1003	4-Nov-12	12	8	\$30.21	Yes	\$38.79	\$8.58
1004	4-Nov-12	12	9	\$30.21	Yes	\$38.79	\$8.58
1005	4-Nov-12	12	10	\$25.52	Yes	\$38.79	\$13.27
1006	4-Nov-12	12	11	\$27.46	Yes	\$38.79	\$11.33
1007	4-Nov-12	12	12	\$27.46	Yes	\$38.79	\$11.33
1008	4-Nov-12	13	1	\$27.52	Yes	\$38.79	\$11.27
1009	4-Nov-12	13	2	\$27.56	Yes	\$38.79	\$11.23
1010	4-Nov-12	13	3	\$27.56	Yes	\$38.79	\$11.23
1011	4-Nov-12	13	4	\$29.31	Yes	\$38.79	\$9.48
1012	4-Nov-12	13	5	\$29.45	Yes	\$38.79	\$9.34
1013	4-Nov-12	13	6	\$30.06	Yes	\$38.79	\$8.73
1014	4-Nov-12	13	7	\$30.10	Yes	\$38.79	\$8.69
1015	4-Nov-12	13	8	\$31.09	Yes	\$38.79	\$7.70
1016	4-Nov-12	13	9	\$30.73	Yes	\$38.79	\$8.06
1017	4-Nov-12	13	10	\$30.68	Yes	\$38.79	\$8.11
1018	4-Nov-12	13	11	\$31.08	Yes	\$38.79	\$7.71
1019	4-Nov-12	13	12	\$27.57	Yes	\$38.79	\$11.22
1020	4-Nov-12	14	1	\$26.35	Yes	\$38.79	\$12.44
1021	4-Nov-12	14	2	\$27.38	Yes	\$38.79	\$11.41
1022	4-Nov-12	14	3	\$25.60	Yes	\$38.79	\$13.19
1023	4-Nov-12	14	4	\$26.88	Yes	\$38.79	\$11.91
1024	4-Nov-12	14	5	\$27.23	Yes	\$38.79	\$11.56
1025	4-Nov-12	14	6	\$27.23	Yes	\$38.79	\$11.56
1026	4-Nov-12	14	7	\$27.57	Yes	\$38.79	\$11.22
1027	4-Nov-12	14	8	\$29.50	Yes	\$38.79	\$9.29
1028	4-Nov-12	14	9	\$29.54	Yes	\$38.79	\$9.25
1029	4-Nov-12	14	10	\$29.23	Yes	\$38.79	\$9.56
1030	4-Nov-12	14	11	\$29.48	Yes	\$38.79	\$9.31
1031	4-Nov-12	14	12	\$28.76	Yes	\$38.79	\$10.03

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1032	4-Nov-12	15	1	\$26.76	Yes	\$38.79	\$12.03
1033	4-Nov-12	15	2	\$26.29	Yes	\$38.79	\$12.50
1034	4-Nov-12	15	3	\$26.76	Yes	\$38.79	\$12.03
1035	4-Nov-12	15	4	\$26.76	Yes	\$38.79	\$12.03
1036	4-Nov-12	15	5	\$26.45	Yes	\$38.79	\$12.34
1037	4-Nov-12	15	6	\$34.13	Yes	\$38.79	\$4.66
1038	4-Nov-12	15	7	\$29.45	Yes	\$38.79	\$9.34
1039	4-Nov-12	15	8	\$29.59	Yes	\$38.79	\$9.20
1040	4-Nov-12	15	9	\$29.52	Yes	\$38.79	\$9.27
1041	4-Nov-12	15	10	\$33.37	Yes	\$38.79	\$5.42
1042	4-Nov-12	15	11	\$33.37	Yes	\$38.79	\$5.42
1043	4-Nov-12	15	12	\$34.56	Yes	\$38.79	\$4.23
1044	4-Nov-12	16	1	\$27.08	Yes	\$38.79	\$11.71
1045	4-Nov-12	16	2	\$27.08	Yes	\$38.79	\$11.71
1046	4-Nov-12	16	3	\$27.08	Yes	\$38.79	\$11.71
1047	4-Nov-12	16	4	\$41.94	Yes	\$38.79	(\$3.15)
1048	4-Nov-12	16	5	\$29.06	Yes	\$38.79	\$9.73
1049	4-Nov-12	16	6	\$24.66	Yes	\$38.79	\$14.13
1050	4-Nov-12	16	7	\$25.03	Yes	\$38.79	\$13.76
1051	4-Nov-12	16	8	\$27.02	Yes	\$38.79	\$11.77
1052	4-Nov-12	16	9	\$27.55	Yes	\$38.79	\$11.24
1053	4-Nov-12	16	10	\$27.69	Yes	\$38.79	\$11.10
1054	4-Nov-12	16	11	\$32.32	Yes	\$38.79	\$6.47
1055	4-Nov-12	16	12	\$34.62	Yes	\$38.79	\$4.17
1056	4-Nov-12	17	1	\$27.12	Yes	\$38.79	\$11.67
1057	4-Nov-12	17	2	\$27.48	Yes	\$38.79	\$11.31
1058	4-Nov-12	17	3	\$28.65	Yes	\$38.79	\$10.14
1059	4-Nov-12	17	4	\$29.54	Yes	\$38.79	\$9.25
1060	4-Nov-12	17	5	\$29.65	Yes	\$38.79	\$9.14
1061	4-Nov-12	17	6	\$32.29	Yes	\$38.79	\$6.50
1062	4-Nov-12	17	7	\$30.51	Yes	\$38.79	\$8.28
1063	4-Nov-12	17	8	\$31.83	Yes	\$38.79	\$6.96
1064	4-Nov-12	17	9	\$33.68	Yes	\$38.79	\$5.11
1065	4-Nov-12	17	10	\$32.26	Yes	\$38.79	\$6.53
1066	4-Nov-12	17	11	\$34.96	Yes	\$38.79	\$3.83
1067	4-Nov-12	17	12	\$39.12	Yes	\$38.79	(\$0.33)
1068	4-Nov-12	18	1	\$27.49	Yes	\$38.79	\$11.30
1069	4-Nov-12	18	2	\$31.00	Yes	\$38.79	\$7.79
1070	4-Nov-12	18	3	\$33.84	Yes	\$38.79	\$4.95
1071	4-Nov-12	18	4	\$35.90	Yes	\$38.79	\$2.89
1072	4-Nov-12	18	5	\$38.86	Yes	\$38.79	(\$0.07)
1073	4-Nov-12	18	6	\$38.99	Yes	\$38.79	(\$0.20)
1074	4-Nov-12	18	7	\$38.60	Yes	\$38.79	\$0.19
1075	4-Nov-12	18	8	\$39.95	Yes	\$38.79	(\$1.16)
1076	4-Nov-12	18	9	\$39.37	Yes	\$38.79	(\$0.58)

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1077	4-Nov-12	18	10	\$40.03	Yes	\$38.79	(\$1.24)
1078	4-Nov-12	18	11	\$39.91	Yes	\$38.79	(\$1.12)
1079	4-Nov-12	18	12	\$40.75	Yes	\$38.79	(\$1.96)
1080	4-Nov-12	19	1	\$37.97	Yes	\$38.79	\$0.82
1081	4-Nov-12	19	2	\$38.23	Yes	\$38.79	\$0.56
1082	4-Nov-12	19	3	\$38.57	Yes	\$38.79	\$0.22
1083	4-Nov-12	19	4	\$38.35	Yes	\$38.79	\$0.44
1084	4-Nov-12	19	5	\$35.91	Yes	\$38.79	\$2.88
1085	4-Nov-12	19	6	\$35.84	Yes	\$38.79	\$2.95
1086	4-Nov-12	19	7	\$35.85	Yes	\$38.79	\$2.94
1087	4-Nov-12	19	8	\$35.85	Yes	\$38.79	\$2.94
1088	4-Nov-12	19	9	\$34.68	Yes	\$38.79	\$4.11
1089	4-Nov-12	19	10	\$35.14	Yes	\$38.79	\$3.65
1090	4-Nov-12	19	11	\$34.61	Yes	\$38.79	\$4.18
1091	4-Nov-12	19	12	\$33.93	Yes	\$38.79	\$4.86
1092	4-Nov-12	20	1	\$33.28	Yes	\$38.79	\$5.51
1093	4-Nov-12	20	2	\$34.11	Yes	\$38.79	\$4.68
1094	4-Nov-12	20	3	\$42.42	Yes	\$38.79	(\$3.63)
1095	4-Nov-12	20	4	\$42.57	Yes	\$38.79	(\$3.78)
1096	4-Nov-12	20	5	\$35.89	Yes	\$38.79	\$2.90
1097	4-Nov-12	20	6	\$35.77	Yes	\$38.79	\$3.02
1098	4-Nov-12	20	7	\$35.72	Yes	\$38.79	\$3.07
1099	4-Nov-12	20	8	\$33.79	Yes	\$38.79	\$5.00
1100	4-Nov-12	20	9	\$30.96	Yes	\$38.79	\$7.83
1101	4-Nov-12	20	10	\$31.35	Yes	\$38.79	\$7.44
1102	4-Nov-12	20	11	\$29.76	Yes	\$38.79	\$9.03
1103	4-Nov-12	20	12	\$27.37	Yes	\$38.79	\$11.42
1104	4-Nov-12	21	1	\$38.81	Yes	\$38.79	(\$0.02)
1105	4-Nov-12	21	2	\$38.81	Yes	\$38.79	(\$0.02)
1106	4-Nov-12	21	3	\$39.79	Yes	\$38.79	(\$1.00)
1107	4-Nov-12	21	4	\$38.81	Yes	\$38.79	(\$0.02)
1108	4-Nov-12	21	5	\$38.81	Yes	\$38.79	(\$0.02)
1109	4-Nov-12	21	6	\$39.00	Yes	\$38.79	(\$0.21)
1110	4-Nov-12	21	7	\$36.63	Yes	\$38.79	\$2.16
1111	4-Nov-12	21	8	\$33.29	Yes	\$38.79	\$5.50
1112	4-Nov-12	21	9	\$34.64	Yes	\$38.79	\$4.15
1113	4-Nov-12	21	10	\$30.56	Yes	\$38.79	\$8.23
1114	4-Nov-12	21	11	\$31.65	Yes	\$38.79	\$7.14
1115	4-Nov-12	21	12	\$30.56	Yes	\$38.79	\$8.23
1116	4-Nov-12	22	1	\$31.68	Yes	\$38.79	\$7.11
1117	4-Nov-12	22	2	\$33.22	Yes	\$38.79	\$5.57
1118	4-Nov-12	22	3	\$34.48	Yes	\$38.79	\$4.31
1119	4-Nov-12	22	4	\$29.68	Yes	\$38.79	\$9.11
1120	4-Nov-12	22	5	\$28.51	Yes	\$38.79	\$10.28
1121	4-Nov-12	22	6	\$27.70	Yes	\$38.79	\$11.09

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1122	4-Nov-12	22	7	\$27.55	Yes	\$38.79	\$11.24
1123	4-Nov-12	22	8	\$26.40	Yes	\$38.79	\$12.39
1124	4-Nov-12	22	9	\$25.43	Yes	\$38.79	\$13.36
1125	4-Nov-12	22	10	\$25.18	Yes	\$38.79	\$13.61
1126	4-Nov-12	22	11	\$25.04	Yes	\$38.79	\$13.75
1127	4-Nov-12	22	12	\$24.88	Yes	\$38.79	\$13.91
1128	4-Nov-12	23	1	\$27.42	Yes	\$38.79	\$11.37
1129	4-Nov-12	23	2	\$26.46	Yes	\$38.79	\$12.33
1130	4-Nov-12	23	3	\$25.37	Yes	\$38.79	\$13.42
1131	4-Nov-12	23	4	\$24.87	Yes	\$38.79	\$13.92
1132	4-Nov-12	23	5	\$24.23	Yes	\$38.79	\$14.56
1133	4-Nov-12	23	6	\$24.83	Yes	\$38.79	\$13.96
1134	4-Nov-12	23	7	\$22.17	Yes	\$38.79	\$16.62
1135	4-Nov-12	23	8	\$21.79	Yes	\$38.79	\$17.00
1136	4-Nov-12	23	9	\$21.66	Yes	\$38.79	\$17.13
1137	4-Nov-12	23	10	\$18.68	Yes	\$38.79	\$20.11
1138	4-Nov-12	23	11	\$16.81	Yes	\$38.79	\$21.98
1139	4-Nov-12	23	12	\$16.83	Yes	\$38.79	\$21.96
1140	4-Nov-12	24	1	\$20.11	Yes	\$38.79	\$18.68
1141	4-Nov-12	24	2	\$23.52	Yes	\$38.79	\$15.27
1142	4-Nov-12	24	3	\$24.66	Yes	\$38.79	\$14.13
1143	4-Nov-12	24	4	\$24.03	Yes	\$38.79	\$14.76
1144	4-Nov-12	24	5	\$24.09	Yes	\$38.79	\$14.70
1145	4-Nov-12	24	6	\$24.64	Yes	\$38.79	\$14.15
1146	4-Nov-12	24	7	\$24.41	Yes	\$38.79	\$14.38
1147	4-Nov-12	24	8	\$22.05	Yes	\$38.79	\$16.74
1148	4-Nov-12	24	9	\$16.72	Yes	\$38.79	\$22.07
1149	4-Nov-12	24	10	\$16.70	Yes	\$38.79	\$22.09
1150	4-Nov-12	24	11	\$16.70	Yes	\$38.79	\$22.09
1151	4-Nov-12	24	12	\$21.97	Yes	\$38.79	\$16.82
1152	5-Nov-12	1	1	\$24.52	Yes	\$38.79	\$14.27
1153	5-Nov-12	1	2	\$24.11	Yes	\$38.79	\$14.68
1154	5-Nov-12	1	3	\$23.90	Yes	\$38.79	\$14.89
1155	5-Nov-12	1	4	\$24.09	Yes	\$38.79	\$14.70
1156	5-Nov-12	1	5	\$24.64	Yes	\$38.79	\$14.15
1157	5-Nov-12	1	6	\$24.70	Yes	\$38.79	\$14.09
1158	5-Nov-12	1	7	\$24.61	Yes	\$38.79	\$14.18
1159	5-Nov-12	1	8	\$24.50	Yes	\$38.79	\$14.29
1160	5-Nov-12	1	9	\$20.64	Yes	\$38.79	\$18.15
1161	5-Nov-12	1	10	\$23.58	Yes	\$38.79	\$15.21
1162	5-Nov-12	1	11	\$20.53	Yes	\$38.79	\$18.26
1163	5-Nov-12	1	12	\$20.53	Yes	\$38.79	\$18.26
1164	5-Nov-12	2	1	\$24.82	Yes	\$38.79	\$13.97
1165	5-Nov-12	2	2	\$24.06	Yes	\$38.79	\$14.73
1166	5-Nov-12	2	3	\$24.82	Yes	\$38.79	\$13.97

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1167	5-Nov-12	2	4	\$24.22	Yes	\$38.79	\$14.57
1168	5-Nov-12	2	5	\$24.02	Yes	\$38.79	\$14.77
1169	5-Nov-12	2	6	\$20.80	Yes	\$38.79	\$17.99
1170	5-Nov-12	2	7	\$21.73	Yes	\$38.79	\$17.06
1171	5-Nov-12	2	8	\$21.73	Yes	\$38.79	\$17.06
1172	5-Nov-12	2	9	\$20.87	Yes	\$38.79	\$17.92
1173	5-Nov-12	2	10	\$20.86	Yes	\$38.79	\$17.93
1174	5-Nov-12	2	11	\$18.36	Yes	\$38.79	\$20.43
1175	5-Nov-12	2	12	\$18.36	Yes	\$38.79	\$20.43
1176	5-Nov-12	3	1	\$16.85	Yes	\$38.79	\$21.94
1177	5-Nov-12	3	2	\$21.34	Yes	\$38.79	\$17.45
1178	5-Nov-12	3	3	\$24.63	Yes	\$38.79	\$14.16
1179	5-Nov-12	3	4	\$24.56	Yes	\$38.79	\$14.23
1180	5-Nov-12	3	5	\$24.48	Yes	\$38.79	\$14.31
1181	5-Nov-12	3	6	\$24.64	Yes	\$38.79	\$14.15
1182	5-Nov-12	3	7	\$24.59	Yes	\$38.79	\$14.20
1183	5-Nov-12	3	8	\$24.59	Yes	\$38.79	\$14.20
1184	5-Nov-12	3	9	\$22.17	Yes	\$38.79	\$16.62
1185	5-Nov-12	3	10	\$23.99	Yes	\$38.79	\$14.80
1186	5-Nov-12	3	11	\$23.99	Yes	\$38.79	\$14.80
1187	5-Nov-12	3	12	\$23.75	Yes	\$38.79	\$15.04
1188	5-Nov-12	4	1	\$24.07	Yes	\$38.79	\$14.72
1189	5-Nov-12	4	2	\$24.07	Yes	\$38.79	\$14.72
1190	5-Nov-12	4	3	\$24.07	Yes	\$38.79	\$14.72
1191	5-Nov-12	4	4	\$24.06	Yes	\$38.79	\$14.73
1192	5-Nov-12	4	5	\$24.06	Yes	\$38.79	\$14.73
1193	5-Nov-12	4	6	\$24.06	Yes	\$38.79	\$14.73
1194	5-Nov-12	4	7	\$24.03	Yes	\$38.79	\$14.76
1195	5-Nov-12	4	8	\$24.03	Yes	\$38.79	\$14.76
1196	5-Nov-12	4	9	\$23.73	Yes	\$38.79	\$15.06
1197	5-Nov-12	4	10	\$21.86	Yes	\$38.79	\$16.93
1198	5-Nov-12	4	11	\$23.74	Yes	\$38.79	\$15.05
1199	5-Nov-12	4	12	\$24.80	Yes	\$38.79	\$13.99
1200	5-Nov-12	5	1	\$22.37	Yes	\$38.79	\$16.42
1201	5-Nov-12	5	2	\$23.02	Yes	\$38.79	\$15.77
1202	5-Nov-12	5	3	\$23.38	Yes	\$38.79	\$15.41
1203	5-Nov-12	5	4	\$23.39	Yes	\$38.79	\$15.40
1204	5-Nov-12	5	5	\$23.39	Yes	\$38.79	\$15.40
1205	5-Nov-12	5	6	\$23.57	Yes	\$38.79	\$15.22
1206	5-Nov-12	5	7	\$23.43	Yes	\$38.79	\$15.36
1207	5-Nov-12	5	8	\$24.23	Yes	\$38.79	\$14.56
1208	5-Nov-12	5	9	\$23.67	Yes	\$38.79	\$15.12
1209	5-Nov-12	5	10	\$22.89	Yes	\$38.79	\$15.90
1210	5-Nov-12	5	11	\$22.77	Yes	\$38.79	\$16.02
1211	5-Nov-12	5	12	\$23.34	Yes	\$38.79	\$15.45

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1212	5-Nov-12	6	1	\$23.83	Yes	\$38.79	\$14.96
1213	5-Nov-12	6	2	\$24.33	Yes	\$38.79	\$14.46
1214	5-Nov-12	6	3	\$25.97	Yes	\$38.79	\$12.82
1215	5-Nov-12	6	4	\$24.01	Yes	\$38.79	\$14.78
1216	5-Nov-12	6	5	\$25.49	Yes	\$38.79	\$13.30
1217	5-Nov-12	6	6	\$27.49	Yes	\$38.79	\$11.30
1218	5-Nov-12	6	7	\$23.50	Yes	\$38.79	\$15.29
1219	5-Nov-12	6	8	\$24.56	Yes	\$38.79	\$14.23
1220	5-Nov-12	6	9	\$28.71	Yes	\$38.79	\$10.08
1221	5-Nov-12	6	10	\$31.23	Yes	\$38.79	\$7.56
1222	5-Nov-12	6	11	\$34.73	Yes	\$38.79	\$4.06
1223	5-Nov-12	6	12	\$36.01	Yes	\$38.79	\$2.78
1224	10-Nov-12	17	8	\$866.80	No	\$38.99	(\$827.81)
1225	10-Nov-12	17	9	\$61.10	No	\$38.99	(\$22.11)
1226	10-Nov-12	17	10	\$40.36	No	\$38.99	(\$1.37)
1227	10-Nov-12	17	11	\$42.14	No	\$38.99	(\$3.15)
1228	10-Nov-12	17	12	\$115.19	No	\$38.99	(\$76.20)
1229	10-Nov-12	18	1	\$22.35	No	\$38.99	\$16.64
1230	10-Nov-12	18	2	\$29.19	No	\$38.99	\$9.80
1231	10-Nov-12	18	3	\$35.90	No	\$38.99	\$3.09
1232	10-Nov-12	18	4	\$102.69	No	\$38.99	(\$63.70)
1233	10-Nov-12	18	5	\$102.69	No	\$38.99	(\$63.70)
1234	10-Nov-12	18	6	\$88.87	No	\$38.99	(\$49.88)
1235	10-Nov-12	18	7	\$40.03	No	\$38.99	(\$1.04)
1236	10-Nov-12	18	8	\$40.15	No	\$38.99	(\$1.16)
1237	10-Nov-12	18	9	\$37.52	No	\$38.99	\$1.47
1238	10-Nov-12	18	10	\$39.89	No	\$38.99	(\$0.90)
1239	10-Nov-12	18	11	\$40.29	No	\$38.99	(\$1.30)
1240	10-Nov-12	18	12	\$37.98	No	\$38.99	\$1.01
1241	10-Nov-12	19	1	\$33.20	No	\$38.99	\$5.79
1242	10-Nov-12	19	2	\$32.21	No	\$38.99	\$6.78
1243	10-Nov-12	19	3	\$29.63	No	\$38.99	\$9.36
1244	10-Nov-12	19	4	\$24.98	No	\$38.99	\$14.01
1245	10-Nov-12	19	5	\$24.93	No	\$38.99	\$14.06
1246	10-Nov-12	19	6	\$25.44	No	\$38.99	\$13.55
1247	10-Nov-12	19	7	\$24.98	No	\$38.99	\$14.01
1248	10-Nov-12	19	8	\$30.34	No	\$38.99	\$8.65
1249	10-Nov-12	19	9	\$29.68	No	\$38.99	\$9.31
1250	10-Nov-12	19	10	\$23.94	No	\$38.99	\$15.05
1251	10-Nov-12	19	11	\$24.37	No	\$38.99	\$14.62
1252	10-Nov-12	19	12	\$25.29	No	\$38.99	\$13.70
1253	10-Nov-12	20	1	\$28.20	No	\$38.99	\$10.79
1254	10-Nov-12	20	2	\$28.40	No	\$38.99	\$10.59
1255	10-Nov-12	20	3	\$28.20	No	\$38.99	\$10.79
1256	10-Nov-12	20	4	\$28.98	No	\$38.99	\$10.01

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1257	10-Nov-12	20	5	\$29.95	No	\$38.99	\$9.04
1258	10-Nov-12	20	6	\$30.39	No	\$38.99	\$8.60
1259	10-Nov-12	20	7	\$30.39	No	\$38.99	\$8.60
1260	10-Nov-12	20	8	\$29.59	No	\$38.99	\$9.40
1261	10-Nov-12	20	9	\$29.39	No	\$38.99	\$9.60
1262	10-Nov-12	20	10	\$29.49	No	\$38.99	\$9.50
1263	10-Nov-12	20	11	\$29.49	No	\$38.99	\$9.50
1264	10-Nov-12	20	12	\$29.49	No	\$38.99	\$9.50
1265	10-Nov-12	21	1	\$37.47	No	\$38.99	\$1.52
1266	10-Nov-12	21	2	\$36.67	No	\$38.99	\$2.32
1267	10-Nov-12	21	3	\$36.09	No	\$38.99	\$2.90
1268	10-Nov-12	21	4	\$36.92	No	\$38.99	\$2.07
1269	10-Nov-12	21	5	\$30.62	No	\$38.99	\$8.37
1270	10-Nov-12	21	6	\$35.63	No	\$38.99	\$3.36
1271	10-Nov-12	21	7	\$29.89	No	\$38.99	\$9.10
1272	10-Nov-12	21	8	\$29.89	No	\$38.99	\$9.10
1273	10-Nov-12	21	9	\$29.92	No	\$38.99	\$9.07
1274	10-Nov-12	21	10	\$29.87	No	\$38.99	\$9.12
1275	10-Nov-12	21	11	\$28.19	No	\$38.99	\$10.80
1276	10-Nov-12	21	12	\$28.19	No	\$38.99	\$10.80
1277	10-Nov-12	22	1	\$37.56	No	\$38.99	\$1.43
1278	10-Nov-12	22	2	\$32.58	No	\$38.99	\$6.41
1279	10-Nov-12	22	3	\$32.58	No	\$38.99	\$6.41
1280	10-Nov-12	22	4	\$32.52	No	\$38.99	\$6.47
1281	10-Nov-12	22	5	\$28.97	No	\$38.99	\$10.02
1282	10-Nov-12	22	6	\$28.14	No	\$38.99	\$10.85
1283	10-Nov-12	22	7	\$24.80	No	\$38.99	\$14.19
1284	10-Nov-12	22	8	\$24.63	No	\$38.99	\$14.36
1285	10-Nov-12	22	9	\$24.07	No	\$38.99	\$14.92
1286	10-Nov-12	22	10	\$24.22	No	\$38.99	\$14.77
1287	10-Nov-12	22	11	\$24.22	No	\$38.99	\$14.77
1288	10-Nov-12	22	12	\$24.14	No	\$38.99	\$14.85
1289	11-Nov-12	11	2	\$26.61	Yes	\$38.99	\$12.38
1290	11-Nov-12	11	3	\$26.61	Yes	\$38.99	\$12.38
1291	11-Nov-12	11	4	\$26.65	Yes	\$38.99	\$12.34
1292	11-Nov-12	11	5	\$27.40	Yes	\$38.99	\$11.59
1293	11-Nov-12	11	6	\$27.40	Yes	\$38.99	\$11.59
1294	11-Nov-12	11	7	\$26.39	Yes	\$38.99	\$12.60
1295	11-Nov-12	11	8	\$26.66	Yes	\$38.99	\$12.33
1296	11-Nov-12	11	9	\$26.29	Yes	\$38.99	\$12.70
1297	11-Nov-12	11	10	\$25.86	Yes	\$38.99	\$13.13
1298	11-Nov-12	11	11	\$25.94	Yes	\$38.99	\$13.05
1299	11-Nov-12	11	12	\$25.94	Yes	\$38.99	\$13.05
1300	11-Nov-12	12	1	\$26.88	Yes	\$38.99	\$12.11
1301	11-Nov-12	12	2	\$27.82	Yes	\$38.99	\$11.17

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1302	11-Nov-12	12	3	\$28.88	Yes	\$38.99	\$10.11
1303	11-Nov-12	12	4	\$27.83	Yes	\$38.99	\$11.16
1304	11-Nov-12	12	5	\$26.69	Yes	\$38.99	\$12.30
1305	11-Nov-12	12	6	\$26.86	Yes	\$38.99	\$12.13
1306	11-Nov-12	12	7	\$26.67	Yes	\$38.99	\$12.32
1307	11-Nov-12	12	8	\$26.67	Yes	\$38.99	\$12.32
1308	11-Nov-12	12	9	\$25.89	Yes	\$38.99	\$13.10
1309	11-Nov-12	12	10	\$26.07	Yes	\$38.99	\$12.92
1310	11-Nov-12	12	11	\$26.85	Yes	\$38.99	\$12.14
1311	11-Nov-12	12	12	\$27.54	Yes	\$38.99	\$11.45
1312	11-Nov-12	13	1	\$27.54	Yes	\$38.99	\$11.45
1313	11-Nov-12	13	2	\$27.59	Yes	\$38.99	\$11.40
1314	11-Nov-12	13	3	\$27.54	Yes	\$38.99	\$11.45
1315	11-Nov-12	13	4	\$28.55	Yes	\$38.99	\$10.44
1316	11-Nov-12	13	5	\$27.75	Yes	\$38.99	\$11.24
1317	11-Nov-12	13	6	\$27.56	Yes	\$38.99	\$11.43
1318	11-Nov-12	13	7	\$26.60	Yes	\$38.99	\$12.39
1319	11-Nov-12	13	8	\$26.03	Yes	\$38.99	\$12.96
1320	11-Nov-12	13	9	\$26.03	Yes	\$38.99	\$12.96
1321	11-Nov-12	13	10	\$26.10	Yes	\$38.99	\$12.89
1322	11-Nov-12	13	11	\$25.82	Yes	\$38.99	\$13.17
1323	11-Nov-12	13	12	\$25.37	Yes	\$38.99	\$13.62
1324	11-Nov-12	14	1	\$25.35	Yes	\$38.99	\$13.64
1325	11-Nov-12	14	2	\$25.16	Yes	\$38.99	\$13.83
1326	11-Nov-12	14	3	\$25.31	Yes	\$38.99	\$13.68
1327	11-Nov-12	14	4	\$25.66	Yes	\$38.99	\$13.33
1328	11-Nov-12	14	5	\$25.71	Yes	\$38.99	\$13.28
1329	11-Nov-12	14	6	\$25.75	Yes	\$38.99	\$13.24
1330	11-Nov-12	14	7	\$25.24	Yes	\$38.99	\$13.75
1331	11-Nov-12	14	8	\$25.24	Yes	\$38.99	\$13.75
1332	11-Nov-12	14	9	\$25.71	Yes	\$38.99	\$13.28
1333	11-Nov-12	14	10	\$25.32	Yes	\$38.99	\$13.67
1334	11-Nov-12	14	11	\$26.05	Yes	\$38.99	\$12.94
1335	11-Nov-12	14	12	\$26.41	Yes	\$38.99	\$12.58
1336	11-Nov-12	15	1	\$24.33	Yes	\$38.99	\$14.66
1337	11-Nov-12	15	2	\$24.48	Yes	\$38.99	\$14.51
1338	11-Nov-12	15	3	\$24.58	Yes	\$38.99	\$14.41
1339	11-Nov-12	15	4	\$24.61	Yes	\$38.99	\$14.38
1340	11-Nov-12	15	5	\$24.57	Yes	\$38.99	\$14.42
1341	11-Nov-12	15	6	\$24.47	Yes	\$38.99	\$14.52
1342	11-Nov-12	15	7	\$25.67	Yes	\$38.99	\$13.32
1343	11-Nov-12	15	8	\$25.67	Yes	\$38.99	\$13.32
1344	11-Nov-12	15	9	\$25.67	Yes	\$38.99	\$13.32
1345	11-Nov-12	15	10	\$28.28	Yes	\$38.99	\$10.71
1346	11-Nov-12	15	11	\$26.98	Yes	\$38.99	\$12.01

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1347	11-Nov-12	15	12	\$26.12	Yes	\$38.99	\$12.87
1348	12-Nov-12	1	1	\$24.06	Yes	\$38.99	\$14.93
1349	12-Nov-12	1	2	\$24.01	Yes	\$38.99	\$14.98
1350	12-Nov-12	1	3	\$24.16	Yes	\$38.99	\$14.83
1351	12-Nov-12	1	4	\$24.16	Yes	\$38.99	\$14.83
1352	12-Nov-12	1	5	\$24.38	Yes	\$38.99	\$14.61
1353	12-Nov-12	1	6	\$24.76	Yes	\$38.99	\$14.23
1354	12-Nov-12	1	7	\$24.76	Yes	\$38.99	\$14.23
1355	12-Nov-12	1	8	\$24.74	Yes	\$38.99	\$14.25
1356	12-Nov-12	1	9	\$24.12	Yes	\$38.99	\$14.87
1357	12-Nov-12	1	10	\$23.77	Yes	\$38.99	\$15.22
1358	12-Nov-12	1	11	\$24.31	Yes	\$38.99	\$14.68
1359	12-Nov-12	1	12	\$24.83	Yes	\$38.99	\$14.16
1360	12-Nov-12	2	1	\$24.76	Yes	\$38.99	\$14.23
1361	12-Nov-12	2	2	\$24.76	Yes	\$38.99	\$14.23
1362	12-Nov-12	2	3	\$24.76	Yes	\$38.99	\$14.23
1363	12-Nov-12	2	4	\$24.44	Yes	\$38.99	\$14.55
1364	12-Nov-12	2	5	\$24.26	Yes	\$38.99	\$14.73
1365	12-Nov-12	2	6	\$24.26	Yes	\$38.99	\$14.73
1366	12-Nov-12	2	7	\$24.36	Yes	\$38.99	\$14.63
1367	12-Nov-12	2	8	\$24.36	Yes	\$38.99	\$14.63
1368	12-Nov-12	2	9	\$24.54	Yes	\$38.99	\$14.45
1369	12-Nov-12	2	10	\$24.34	Yes	\$38.99	\$14.65
1370	12-Nov-12	2	11	\$24.09	Yes	\$38.99	\$14.90
1371	12-Nov-12	2	12	\$23.26	Yes	\$38.99	\$15.73
1372	12-Nov-12	3	1	\$23.54	Yes	\$38.99	\$15.45
1373	12-Nov-12	3	2	\$23.61	Yes	\$38.99	\$15.38
1374	12-Nov-12	3	3	\$24.45	Yes	\$38.99	\$14.54
1375	12-Nov-12	3	4	\$24.48	Yes	\$38.99	\$14.51
1376	12-Nov-12	3	5	\$24.28	Yes	\$38.99	\$14.71
1377	12-Nov-12	3	6	\$24.28	Yes	\$38.99	\$14.71
1378	12-Nov-12	3	7	\$23.27	Yes	\$38.99	\$15.72
1379	12-Nov-12	3	8	\$23.34	Yes	\$38.99	\$15.65
1380	12-Nov-12	3	9	\$23.48	Yes	\$38.99	\$15.51
1381	12-Nov-12	3	10	\$24.19	Yes	\$38.99	\$14.80
1382	12-Nov-12	3	11	\$24.39	Yes	\$38.99	\$14.60
1383	12-Nov-12	3	12	\$24.19	Yes	\$38.99	\$14.80
1384	12-Nov-12	4	1	\$24.14	Yes	\$38.99	\$14.85
1385	12-Nov-12	4	2	\$24.33	Yes	\$38.99	\$14.66
1386	12-Nov-12	4	3	\$24.57	Yes	\$38.99	\$14.42
1387	12-Nov-12	4	4	\$24.54	Yes	\$38.99	\$14.45
1388	12-Nov-12	4	5	\$24.75	Yes	\$38.99	\$14.24
1389	12-Nov-12	4	6	\$24.73	Yes	\$38.99	\$14.26
1390	12-Nov-12	4	7	\$24.77	Yes	\$38.99	\$14.22
1391	12-Nov-12	4	8	\$24.79	Yes	\$38.99	\$14.20

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1392	12-Nov-12	4	9	\$24.79	Yes	\$38.99	\$14.20
1393	12-Nov-12	4	10	\$24.75	Yes	\$38.99	\$14.24
1394	12-Nov-12	4	11	\$24.63	Yes	\$38.99	\$14.36
1395	12-Nov-12	4	12	\$25.96	Yes	\$38.99	\$13.03
1396	12-Nov-12	5	1	\$23.43	Yes	\$38.99	\$15.56
1397	12-Nov-12	5	2	\$24.14	Yes	\$38.99	\$14.85
1398	12-Nov-12	5	3	\$24.14	Yes	\$38.99	\$14.85
1399	12-Nov-12	5	4	\$24.33	Yes	\$38.99	\$14.66
1400	12-Nov-12	5	5	\$24.56	Yes	\$38.99	\$14.43
1401	12-Nov-12	5	6	\$24.82	Yes	\$38.99	\$14.17
1402	12-Nov-12	5	7	\$24.83	Yes	\$38.99	\$14.16
1403	12-Nov-12	5	8	\$28.72	Yes	\$38.99	\$10.27
1404	12-Nov-12	5	9	\$28.69	Yes	\$38.99	\$10.30
1405	12-Nov-12	5	10	\$28.75	Yes	\$38.99	\$10.24
1406	12-Nov-12	5	11	\$28.75	Yes	\$38.99	\$10.24
1407	12-Nov-12	5	12	\$25.31	Yes	\$38.99	\$13.68
1408	12-Nov-12	6	1	\$24.77	Yes	\$38.99	\$14.22
1409	12-Nov-12	6	2	\$24.81	Yes	\$38.99	\$14.18
1410	12-Nov-12	6	3	\$24.95	Yes	\$38.99	\$14.04
1411	12-Nov-12	6	4	\$25.98	Yes	\$38.99	\$13.01
1412	12-Nov-12	6	5	\$27.85	Yes	\$38.99	\$11.14
1413	12-Nov-12	6	6	\$28.73	Yes	\$38.99	\$10.26
1414	12-Nov-12	6	7	\$29.81	Yes	\$38.99	\$9.18
1415	12-Nov-12	6	8	\$33.13	Yes	\$38.99	\$5.86
1416	12-Nov-12	6	9	\$40.95	Yes	\$38.99	(\$1.96)
1417	12-Nov-12	6	10	\$40.24	Yes	\$38.99	(\$1.25)
1418	12-Nov-12	6	11	\$41.37	Yes	\$38.99	(\$2.38)
1419	12-Nov-12	6	12	\$42.43	Yes	\$38.99	(\$3.44)
1420	12-Nov-12	7	1	\$20.16	Yes	\$38.99	\$18.83
1421	12-Nov-12	7	2	\$22.70	Yes	\$38.99	\$16.29
1422	12-Nov-12	7	3	\$22.84	Yes	\$38.99	\$16.15
1423	12-Nov-12	7	4	\$24.41	Yes	\$38.99	\$14.58
1424	12-Nov-12	7	5	\$26.40	Yes	\$38.99	\$12.59
1425	12-Nov-12	7	6	\$24.95	Yes	\$38.99	\$14.04
1426	12-Nov-12	7	7	\$25.83	Yes	\$38.99	\$13.16
1427	12-Nov-12	7	8	\$26.76	Yes	\$38.99	\$12.23
1428	12-Nov-12	7	9	\$26.77	Yes	\$38.99	\$12.22
1429	12-Nov-12	7	10	\$27.83	Yes	\$38.99	\$11.16
1430	12-Nov-12	7	11	\$26.86	Yes	\$38.99	\$12.13
1431	12-Nov-12	7	12	\$26.44	Yes	\$38.99	\$12.55
1432	12-Nov-12	8	1	\$26.14	Yes	\$38.99	\$12.85
1433	12-Nov-12	8	2	\$26.14	Yes	\$38.99	\$12.85
1434	12-Nov-12	8	3	\$28.15	Yes	\$38.99	\$10.84
1435	12-Nov-12	8	4	\$29.12	Yes	\$38.99	\$9.87
1436	12-Nov-12	8	5	\$29.14	Yes	\$38.99	\$9.85

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1437	12-Nov-12	8	6	\$29.12	Yes	\$38.99	\$9.87
1438	12-Nov-12	8	7	\$26.71	Yes	\$38.99	\$12.28
1439	12-Nov-12	8	8	\$28.41	Yes	\$38.99	\$10.58
1440	12-Nov-12	8	9	\$25.91	Yes	\$38.99	\$13.08
1441	12-Nov-12	8	10	\$25.99	Yes	\$38.99	\$13.00
1442	12-Nov-12	8	11	\$24.73	Yes	\$38.99	\$14.26
1443	12-Nov-12	8	12	\$25.08	Yes	\$38.99	\$13.91
1444	12-Nov-12	9	1	\$26.75	Yes	\$38.99	\$12.24
1445	12-Nov-12	9	2	\$29.00	Yes	\$38.99	\$9.99
1446	12-Nov-12	9	3	\$28.27	Yes	\$38.99	\$10.72
1447	12-Nov-12	9	4	\$28.98	Yes	\$38.99	\$10.01
1448	12-Nov-12	9	5	\$28.98	Yes	\$38.99	\$10.01
1449	12-Nov-12	9	6	\$28.98	Yes	\$38.99	\$10.01
1450	12-Nov-12	9	7	\$29.11	Yes	\$38.99	\$9.88
1451	12-Nov-12	9	8	\$29.11	Yes	\$38.99	\$9.88
1452	12-Nov-12	9	9	\$29.12	Yes	\$38.99	\$9.87
1453	12-Nov-12	9	10	\$29.18	Yes	\$38.99	\$9.81
1454	12-Nov-12	9	11	\$30.01	Yes	\$38.99	\$8.98
1455	12-Nov-12	9	12	\$32.35	Yes	\$38.99	\$6.64
1456	12-Nov-12	10	1	\$35.90	Yes	\$38.99	\$3.09
1457	12-Nov-12	10	2	\$36.46	Yes	\$38.99	\$2.53
1458	12-Nov-12	10	3	\$40.96	Yes	\$38.99	(\$1.97)
1459	12-Nov-12	10	4	\$36.58	Yes	\$38.99	\$2.41
1460	12-Nov-12	10	5	\$38.33	Yes	\$38.99	\$0.66
1461	12-Nov-12	10	6	\$37.97	Yes	\$38.99	\$1.02
1462	12-Nov-12	10	7	\$38.89	Yes	\$38.99	\$0.10
1463	12-Nov-12	10	8	\$37.82	Yes	\$38.99	\$1.17
1464	12-Nov-12	10	9	\$40.14	Yes	\$38.99	(\$1.15)
1465	12-Nov-12	10	10	\$38.42	Yes	\$38.99	\$0.57
1466	12-Nov-12	10	11	\$38.56	Yes	\$38.99	\$0.44
1467	12-Nov-12	10	12	\$38.48	Yes	\$38.99	\$0.51
1468	12-Nov-12	11	1	\$38.21	Yes	\$38.99	\$0.78
1469	12-Nov-12	11	2	\$32.51	Yes	\$38.99	\$6.48
1470	12-Nov-12	11	3	\$32.94	Yes	\$38.99	\$6.05
1471	12-Nov-12	11	4	\$36.48	Yes	\$38.99	\$2.51
1472	12-Nov-12	11	5	\$36.97	Yes	\$38.99	\$2.02
1473	12-Nov-12	11	6	\$37.42	Yes	\$38.99	\$1.57
1474	12-Nov-12	11	7	\$38.61	Yes	\$38.99	\$0.38
1475	12-Nov-12	11	8	\$36.13	Yes	\$38.99	\$2.86
1476	12-Nov-12	11	9	\$36.13	Yes	\$38.99	\$2.86
1477	12-Nov-12	11	10	\$35.17	Yes	\$38.99	\$3.82
1478	12-Nov-12	11	11	\$35.17	Yes	\$38.99	\$3.82
1479	12-Nov-12	11	12	\$34.96	Yes	\$38.99	\$4.03
1480	12-Nov-12	12	1	\$29.91	Yes	\$38.99	\$9.08
1481	12-Nov-12	12	2	\$32.69	Yes	\$38.99	\$6.30

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1482	12-Nov-12	12	3	\$30.37	Yes	\$38.99	\$8.62
1483	12-Nov-12	12	4	\$30.28	Yes	\$38.99	\$8.71
1484	12-Nov-12	12	5	\$30.28	Yes	\$38.99	\$8.71
1485	12-Nov-12	12	6	\$30.23	Yes	\$38.99	\$8.76
1486	12-Nov-12	12	7	\$29.31	Yes	\$38.99	\$9.68
1487	12-Nov-12	12	8	\$29.73	Yes	\$38.99	\$9.26
1488	12-Nov-12	12	9	\$29.44	Yes	\$38.99	\$9.55
1489	12-Nov-12	12	10	\$27.86	Yes	\$38.99	\$11.13
1490	12-Nov-12	12	11	\$28.30	Yes	\$38.99	\$10.69
1491	12-Nov-12	12	12	\$28.25	Yes	\$38.99	\$10.74
1492	12-Nov-12	24	4	\$22.27	Yes	\$38.99	\$16.72
1493	12-Nov-12	24	5	\$21.87	Yes	\$38.99	\$17.12
1494	12-Nov-12	24	6	\$24.50	Yes	\$38.99	\$14.49
1495	12-Nov-12	24	7	\$23.52	Yes	\$38.99	\$15.47
1496	12-Nov-12	24	8	\$22.73	Yes	\$38.99	\$16.26
1497	12-Nov-12	24	9	\$22.78	Yes	\$38.99	\$16.21
1498	12-Nov-12	24	10	\$23.36	Yes	\$38.99	\$15.63
1499	12-Nov-12	24	11	\$23.36	Yes	\$38.99	\$15.63
1500	12-Nov-12	24	12	\$23.36	Yes	\$38.99	\$15.63
1501	13-Nov-12	1	1	\$25.28	Yes	\$40.53	\$15.25
1502	13-Nov-12	1	2	\$28.63	Yes	\$40.53	\$11.90
1503	13-Nov-12	1	3	\$27.96	Yes	\$40.53	\$12.57
1504	13-Nov-12	1	4	\$26.11	Yes	\$40.53	\$14.42
1505	13-Nov-12	1	5	\$26.25	Yes	\$40.53	\$14.28
1506	13-Nov-12	1	6	\$25.95	Yes	\$40.53	\$14.58
1507	13-Nov-12	1	7	\$26.22	Yes	\$40.53	\$14.31
1508	13-Nov-12	1	8	\$26.22	Yes	\$40.53	\$14.31
1509	13-Nov-12	1	9	\$26.72	Yes	\$40.53	\$13.81
1510	13-Nov-12	1	10	\$26.16	Yes	\$40.53	\$14.37
1511	13-Nov-12	1	11	\$25.19	Yes	\$40.53	\$15.34
1512	13-Nov-12	1	12	\$28.62	Yes	\$40.53	\$11.91
1513	13-Nov-12	2	1	\$31.06	Yes	\$40.53	\$9.47
1514	13-Nov-12	2	2	\$28.83	Yes	\$40.53	\$11.70
1515	13-Nov-12	2	3	\$28.43	Yes	\$40.53	\$12.10
1516	13-Nov-12	2	4	\$26.75	Yes	\$40.53	\$13.78
1517	13-Nov-12	2	5	\$27.15	Yes	\$40.53	\$13.38
1518	13-Nov-12	2	6	\$27.15	Yes	\$40.53	\$13.38
1519	13-Nov-12	2	7	\$27.18	Yes	\$40.53	\$13.35
1520	13-Nov-12	2	8	\$27.16	Yes	\$40.53	\$13.37
1521	13-Nov-12	2	9	\$27.12	Yes	\$40.53	\$13.41
1522	13-Nov-12	2	10	\$26.63	Yes	\$40.53	\$13.90
1523	13-Nov-12	2	11	\$26.89	Yes	\$40.53	\$13.64
1524	13-Nov-12	2	12	\$26.60	Yes	\$40.53	\$13.93
1525	13-Nov-12	3	1	\$26.06	Yes	\$40.53	\$14.47
1526	13-Nov-12	3	2	\$26.22	Yes	\$40.53	\$14.31

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1527	13-Nov-12	3	3	\$26.33	Yes	\$40.53	\$14.20
1528	13-Nov-12	3	4	\$25.27	Yes	\$40.53	\$15.26
1529	13-Nov-12	3	5	\$25.51	Yes	\$40.53	\$15.02
1530	13-Nov-12	3	6	\$25.51	Yes	\$40.53	\$15.02
1531	13-Nov-12	3	7	\$25.41	Yes	\$40.53	\$15.12
1532	13-Nov-12	3	8	\$25.41	Yes	\$40.53	\$15.12
1533	13-Nov-12	3	9	\$25.42	Yes	\$40.53	\$15.11
1534	13-Nov-12	3	10	\$25.64	Yes	\$40.53	\$14.89
1535	13-Nov-12	3	11	\$25.64	Yes	\$40.53	\$14.89
1536	13-Nov-12	3	12	\$25.93	Yes	\$40.53	\$14.60
1537	13-Nov-12	4	1	\$23.76	Yes	\$40.53	\$16.77
1538	13-Nov-12	4	2	\$24.40	Yes	\$40.53	\$16.13
1539	13-Nov-12	4	3	\$24.43	Yes	\$40.53	\$16.10
1540	13-Nov-12	4	4	\$24.62	Yes	\$40.53	\$15.91
1541	13-Nov-12	4	5	\$24.69	Yes	\$40.53	\$15.84
1542	13-Nov-12	4	6	\$24.69	Yes	\$40.53	\$15.84
1543	13-Nov-12	4	7	\$24.83	Yes	\$40.53	\$15.70
1544	13-Nov-12	4	8	\$24.83	Yes	\$40.53	\$15.70
1545	13-Nov-12	4	9	\$24.76	Yes	\$40.53	\$15.77
1546	13-Nov-12	4	10	\$25.01	Yes	\$40.53	\$15.52
1547	13-Nov-12	4	11	\$24.99	Yes	\$40.53	\$15.54
1548	13-Nov-12	4	12	\$24.90	Yes	\$40.53	\$15.63
1549	13-Nov-12	5	1	\$24.49	Yes	\$40.53	\$16.04
1550	13-Nov-12	5	2	\$24.57	Yes	\$40.53	\$15.96
1551	13-Nov-12	5	3	\$24.45	Yes	\$40.53	\$16.08
1552	13-Nov-12	5	4	\$25.24	Yes	\$40.53	\$15.29
1553	13-Nov-12	5	5	\$25.19	Yes	\$40.53	\$15.34
1554	13-Nov-12	5	6	\$25.17	Yes	\$40.53	\$15.36
1555	13-Nov-12	5	7	\$25.11	Yes	\$40.53	\$15.42
1556	13-Nov-12	5	8	\$25.10	Yes	\$40.53	\$15.43
1557	13-Nov-12	5	9	\$25.14	Yes	\$40.53	\$15.39
1558	13-Nov-12	5	10	\$25.12	Yes	\$40.53	\$15.41
1559	13-Nov-12	5	11	\$24.72	Yes	\$40.53	\$15.81
1560	13-Nov-12	5	12	\$24.01	Yes	\$40.53	\$16.52
1561	13-Nov-12	6	1	\$25.19	Yes	\$40.53	\$15.34
1562	13-Nov-12	6	2	\$25.82	Yes	\$40.53	\$14.71
1563	13-Nov-12	6	3	\$25.51	Yes	\$40.53	\$15.02
1564	13-Nov-12	6	4	\$25.72	Yes	\$40.53	\$14.81
1565	13-Nov-12	6	5	\$25.72	Yes	\$40.53	\$14.81
1566	13-Nov-12	6	6	\$25.96	Yes	\$40.53	\$14.57
1567	13-Nov-12	6	7	\$25.50	Yes	\$40.53	\$15.03
1568	13-Nov-12	6	8	\$26.48	Yes	\$40.53	\$14.05
1569	13-Nov-12	6	9	\$29.56	Yes	\$40.53	\$10.97
1570	13-Nov-12	6	10	\$26.49	Yes	\$40.53	\$14.04
1571	13-Nov-12	6	11	\$27.24	Yes	\$40.53	\$13.29

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1572	13-Nov-12	6	12	\$27.75	Yes	\$40.53	\$12.78
1573	13-Nov-12	7	1	\$25.37	Yes	\$40.53	\$15.16
1574	13-Nov-12	7	2	\$24.42	Yes	\$40.53	\$16.11
1575	13-Nov-12	7	3	\$24.16	Yes	\$40.53	\$16.37
1576	13-Nov-12	7	4	\$25.17	Yes	\$40.53	\$15.36
1577	13-Nov-12	7	5	\$25.78	Yes	\$40.53	\$14.75
1578	13-Nov-12	7	6	\$25.94	Yes	\$40.53	\$14.59
1579	13-Nov-12	7	7	\$28.46	Yes	\$40.53	\$12.07
1580	13-Nov-12	7	8	\$28.95	Yes	\$40.53	\$11.58
1581	13-Nov-12	7	9	\$28.95	Yes	\$40.53	\$11.58
1582	13-Nov-12	7	10	\$28.71	Yes	\$40.53	\$11.82
1583	13-Nov-12	7	11	\$27.30	Yes	\$40.53	\$13.23
1584	13-Nov-12	7	12	\$27.29	Yes	\$40.53	\$13.24
1585	13-Nov-12	8	1	\$26.78	Yes	\$40.53	\$13.75
1586	13-Nov-12	8	2	\$27.02	Yes	\$40.53	\$13.51
1587	13-Nov-12	8	3	\$29.09	Yes	\$40.53	\$11.44
1588	13-Nov-12	8	4	\$31.18	Yes	\$40.53	\$9.35
1589	13-Nov-12	8	5	\$31.11	Yes	\$40.53	\$9.42
1590	13-Nov-12	8	6	\$29.63	Yes	\$40.53	\$10.90
1591	13-Nov-12	8	7	\$29.61	Yes	\$40.53	\$10.92
1592	13-Nov-12	8	8	\$29.41	Yes	\$40.53	\$11.12
1593	13-Nov-12	8	9	\$33.97	Yes	\$40.53	\$6.56
1594	13-Nov-12	8	10	\$33.83	Yes	\$40.53	\$6.70
1595	13-Nov-12	8	11	\$33.89	Yes	\$40.53	\$6.64
1596	13-Nov-12	8	12	\$33.38	Yes	\$40.53	\$7.15
1597	13-Nov-12	9	1	\$32.67	Yes	\$40.53	\$7.86
1598	13-Nov-12	9	2	\$40.12	Yes	\$40.53	\$0.41
1599	13-Nov-12	9	3	\$44.01	Yes	\$40.53	(\$3.48)
1600	13-Nov-12	9	4	\$48.50	Yes	\$40.53	(\$7.97)
1601	13-Nov-12	9	5	\$52.61	Yes	\$40.53	(\$12.08)
1602	13-Nov-12	9	6	\$47.11	Yes	\$40.53	(\$6.58)
1603	13-Nov-12	9	7	\$43.30	Yes	\$40.53	(\$2.77)
1604	13-Nov-12	9	8	\$39.84	Yes	\$40.53	\$0.69
1605	13-Nov-12	9	9	\$42.50	Yes	\$40.53	(\$1.97)
1606	13-Nov-12	9	10	\$42.65	Yes	\$40.53	(\$2.12)
1607	13-Nov-12	9	11	\$40.60	Yes	\$40.53	(\$0.07)
1608	13-Nov-12	9	12	\$40.44	Yes	\$40.53	\$0.09
1609	14-Nov-12	2	11	\$27.65	Yes	\$41.13	\$13.48
1610	14-Nov-12	2	12	\$26.89	Yes	\$41.13	\$14.24
1611	14-Nov-12	3	1	\$26.58	Yes	\$41.13	\$14.55
1612	14-Nov-12	3	2	\$26.78	Yes	\$41.13	\$14.35
1613	14-Nov-12	3	3	\$26.58	Yes	\$41.13	\$14.55
1614	14-Nov-12	3	4	\$26.53	Yes	\$41.13	\$14.60
1615	14-Nov-12	3	5	\$27.51	Yes	\$41.13	\$13.62
1616	14-Nov-12	3	6	\$27.07	Yes	\$41.13	\$14.06

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1617	14-Nov-12	3	7	\$26.08	Yes	\$41.13	\$15.05
1618	14-Nov-12	3	8	\$25.69	Yes	\$41.13	\$15.44
1619	14-Nov-12	3	9	\$25.69	Yes	\$41.13	\$15.44
1620	14-Nov-12	3	10	\$25.82	Yes	\$41.13	\$15.31
1621	14-Nov-12	3	11	\$26.08	Yes	\$41.13	\$15.05
1622	14-Nov-12	3	12	\$25.82	Yes	\$41.13	\$15.31
1623	14-Nov-12	4	1	\$26.11	Yes	\$41.13	\$15.02
1624	14-Nov-12	4	2	\$26.33	Yes	\$41.13	\$14.80
1625	14-Nov-12	4	3	\$26.54	Yes	\$41.13	\$14.59
1626	14-Nov-12	4	4	\$26.97	Yes	\$41.13	\$14.16
1627	14-Nov-12	4	5	\$26.67	Yes	\$41.13	\$14.46
1628	14-Nov-12	4	6	\$26.67	Yes	\$41.13	\$14.46
1629	14-Nov-12	4	7	\$26.46	Yes	\$41.13	\$14.67
1630	14-Nov-12	4	8	\$26.46	Yes	\$41.13	\$14.67
1631	14-Nov-12	4	9	\$26.10	Yes	\$41.13	\$15.03
1632	14-Nov-12	4	10	\$25.37	Yes	\$41.13	\$15.76
1633	14-Nov-12	4	11	\$25.37	Yes	\$41.13	\$15.76
1634	14-Nov-12	4	12	\$25.88	Yes	\$41.13	\$15.25
1635	14-Nov-12	5	1	\$24.68	Yes	\$41.13	\$16.45
1636	14-Nov-12	5	2	\$25.30	Yes	\$41.13	\$15.83
1637	14-Nov-12	5	3	\$25.43	Yes	\$41.13	\$15.70
1638	14-Nov-12	5	4	\$25.03	Yes	\$41.13	\$16.10
1639	14-Nov-12	5	5	\$25.17	Yes	\$41.13	\$15.96
1640	14-Nov-12	5	6	\$25.17	Yes	\$41.13	\$15.96
1641	14-Nov-12	5	7	\$24.47	Yes	\$41.13	\$16.66
1642	14-Nov-12	5	8	\$24.73	Yes	\$41.13	\$16.40
1643	14-Nov-12	5	9	\$25.56	Yes	\$41.13	\$15.57
1644	14-Nov-12	5	10	\$25.14	Yes	\$41.13	\$15.99
1645	14-Nov-12	5	11	\$25.32	Yes	\$41.13	\$15.81
1646	14-Nov-12	5	12	\$25.64	Yes	\$41.13	\$15.49
1647	14-Nov-12	6	1	\$24.63	Yes	\$41.13	\$16.50
1648	14-Nov-12	6	2	\$24.63	Yes	\$41.13	\$16.50
1649	14-Nov-12	6	3	\$24.85	Yes	\$41.13	\$16.28
1650	14-Nov-12	6	4	\$26.58	Yes	\$41.13	\$14.55
1651	14-Nov-12	6	5	\$26.62	Yes	\$41.13	\$14.51
1652	14-Nov-12	6	6	\$26.78	Yes	\$41.13	\$14.35
1653	14-Nov-12	6	7	\$28.54	Yes	\$41.13	\$12.59
1654	14-Nov-12	6	8	\$30.43	Yes	\$41.13	\$10.70
1655	14-Nov-12	6	9	\$30.02	Yes	\$41.13	\$11.11
1656	14-Nov-12	6	10	\$36.65	Yes	\$41.13	\$4.48
1657	14-Nov-12	6	11	\$34.92	Yes	\$41.13	\$6.21
1658	14-Nov-12	6	12	\$34.92	Yes	\$41.13	\$6.21
1659	14-Nov-12	7	1	\$27.57	Yes	\$41.13	\$13.56
1660	14-Nov-12	7	2	\$26.15	Yes	\$41.13	\$14.98
1661	14-Nov-12	7	3	\$28.00	Yes	\$41.13	\$13.13

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1662	14-Nov-12	7	4	\$28.22	Yes	\$41.13	\$12.91
1663	14-Nov-12	7	5	\$29.02	Yes	\$41.13	\$12.11
1664	14-Nov-12	7	6	\$28.46	Yes	\$41.13	\$12.67
1665	14-Nov-12	7	7	\$29.63	Yes	\$41.13	\$11.50
1666	14-Nov-12	7	8	\$30.67	Yes	\$41.13	\$10.46
1667	14-Nov-12	7	9	\$40.40	Yes	\$41.13	\$0.73
1668	14-Nov-12	7	10	\$41.14	Yes	\$41.13	(\$0.01)
1669	14-Nov-12	7	11	\$43.15	Yes	\$41.13	(\$2.02)
1670	14-Nov-12	7	12	\$44.78	Yes	\$41.13	(\$3.65)
1671	14-Nov-12	8	1	\$32.77	Yes	\$41.13	\$8.36
1672	14-Nov-12	8	2	\$36.90	Yes	\$41.13	\$4.23
1673	14-Nov-12	8	3	\$36.90	Yes	\$41.13	\$4.23
1674	14-Nov-12	8	4	\$38.73	Yes	\$41.13	\$2.40
1675	14-Nov-12	8	5	\$39.05	Yes	\$41.13	\$2.08
1676	14-Nov-12	8	6	\$39.05	Yes	\$41.13	\$2.08
1677	14-Nov-12	8	7	\$37.22	Yes	\$41.13	\$3.91
1678	14-Nov-12	8	8	\$37.22	Yes	\$41.13	\$3.91
1679	14-Nov-12	8	9	\$32.83	Yes	\$41.13	\$8.30
1680	14-Nov-12	8	10	\$33.18	Yes	\$41.13	\$7.95
1681	14-Nov-12	8	11	\$31.49	Yes	\$41.13	\$9.64
1682	14-Nov-12	8	12	\$30.51	Yes	\$41.13	\$10.62
1683	14-Nov-12	9	1	\$32.58	Yes	\$41.13	\$8.55
1684	14-Nov-12	9	2	\$29.53	Yes	\$41.13	\$11.60
1685	14-Nov-12	9	3	\$29.53	Yes	\$41.13	\$11.60
1686	14-Nov-12	9	4	\$32.57	Yes	\$41.13	\$8.56
1687	14-Nov-12	9	5	\$32.57	Yes	\$41.13	\$8.56
1688	14-Nov-12	9	6	\$36.89	Yes	\$41.13	\$4.24
1689	14-Nov-12	9	7	\$38.53	Yes	\$41.13	\$2.60
1690	14-Nov-12	9	8	\$37.26	Yes	\$41.13	\$3.87
1691	14-Nov-12	9	9	\$37.14	Yes	\$41.13	\$3.99
1692	14-Nov-12	9	10	\$37.39	Yes	\$41.13	\$3.74
1693	14-Nov-12	9	11	\$39.44	Yes	\$41.13	\$1.69
1694	14-Nov-12	9	12	\$37.29	Yes	\$41.13	\$3.84
1695	14-Nov-12	10	1	\$33.23	Yes	\$41.13	\$7.90
1696	14-Nov-12	10	2	\$35.01	Yes	\$41.13	\$6.12
1697	14-Nov-12	10	3	\$35.01	Yes	\$41.13	\$6.12
1698	14-Nov-12	10	4	\$35.07	Yes	\$41.13	\$6.06
1699	14-Nov-12	10	5	\$37.43	Yes	\$41.13	\$3.70
1700	14-Nov-12	10	6	\$35.07	Yes	\$41.13	\$6.06
1701	14-Nov-12	10	7	\$31.15	Yes	\$41.13	\$9.98
1702	14-Nov-12	10	8	\$32.73	Yes	\$41.13	\$8.40
1703	14-Nov-12	10	9	\$32.73	Yes	\$41.13	\$8.40
1704	14-Nov-12	10	10	\$31.16	Yes	\$41.13	\$9.97
1705	14-Nov-12	10	11	\$35.07	Yes	\$41.13	\$6.06
1706	14-Nov-12	10	12	\$30.31	Yes	\$41.13	\$10.82

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1707	14-Nov-12	11	4	\$30.48	Yes	\$41.13	\$10.65
1708	14-Nov-12	11	5	\$32.14	Yes	\$41.13	\$8.99
1709	14-Nov-12	11	6	\$32.14	Yes	\$41.13	\$8.99
1710	14-Nov-12	11	7	\$31.31	Yes	\$41.13	\$9.82
1711	14-Nov-12	11	8	\$31.31	Yes	\$41.13	\$9.82
1712	14-Nov-12	11	9	\$31.31	Yes	\$41.13	\$9.82
1713	14-Nov-12	11	10	\$31.14	Yes	\$41.13	\$9.99
1714	14-Nov-12	11	11	\$31.14	Yes	\$41.13	\$9.99
1715	14-Nov-12	11	12	\$29.27	Yes	\$41.13	\$11.86
1716	14-Nov-12	12	1	\$29.15	Yes	\$41.13	\$11.98
1717	14-Nov-12	12	2	\$30.78	Yes	\$41.13	\$10.35
1718	14-Nov-12	12	3	\$30.93	Yes	\$41.13	\$10.20
1719	14-Nov-12	12	4	\$29.83	Yes	\$41.13	\$11.30
1720	14-Nov-12	12	5	\$29.81	Yes	\$41.13	\$11.32
1721	14-Nov-12	12	6	\$29.83	Yes	\$41.13	\$11.30
1722	14-Nov-12	12	7	\$30.48	Yes	\$41.13	\$10.65
1723	14-Nov-12	12	8	\$30.74	Yes	\$41.13	\$10.39
1724	14-Nov-12	12	9	\$29.18	Yes	\$41.13	\$11.95
1725	14-Nov-12	12	10	\$31.50	Yes	\$41.13	\$9.63
1726	14-Nov-12	12	11	\$31.50	Yes	\$41.13	\$9.63
1727	14-Nov-12	12	12	\$32.03	Yes	\$41.13	\$9.10
1728	30-Nov-12	21	9	\$28.38	Yes	\$41.05	\$12.67
1729	30-Nov-12	21	10	\$27.49	Yes	\$41.05	\$13.56
1730	30-Nov-12	21	11	\$27.13	Yes	\$41.05	\$13.92
1731	30-Nov-12	21	12	\$27.04	Yes	\$41.05	\$14.01
1732	30-Nov-12	22	1	\$29.91	Yes	\$41.05	\$11.14
1733	30-Nov-12	22	2	\$30.66	Yes	\$41.05	\$10.39
1734	30-Nov-12	22	3	\$30.22	Yes	\$41.05	\$10.83
1735	30-Nov-12	22	4	\$29.85	Yes	\$41.05	\$11.20
1736	30-Nov-12	22	5	\$29.61	Yes	\$41.05	\$11.44
1737	30-Nov-12	22	6	\$28.60	Yes	\$41.05	\$12.45
1738	30-Nov-12	22	7	\$27.81	Yes	\$41.05	\$13.24
1739	30-Nov-12	22	8	\$27.30	Yes	\$41.05	\$13.75
1740	30-Nov-12	22	9	\$27.00	Yes	\$41.05	\$14.05
1741	30-Nov-12	22	10	\$26.73	Yes	\$41.05	\$14.32
1742	30-Nov-12	22	11	\$26.42	Yes	\$41.05	\$14.63
1743	30-Nov-12	22	12	\$25.53	Yes	\$41.05	\$15.52

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

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1	2-Nov-12	5	1	\$15.99	Yes	\$1,000.00	\$984.01
2	2-Nov-12	5	2	\$15.99	Yes	\$1,000.00	\$984.01
3	2-Nov-12	5	3	\$1.02	Yes	\$1,000.00	\$998.98
4	2-Nov-12	5	4	\$25.76	Yes	\$1,000.00	\$974.24
5	2-Nov-12	5	5	\$25.18	Yes	\$1,000.00	\$974.82
6	2-Nov-12	5	6	\$25.18	Yes	\$1,000.00	\$974.82
7	2-Nov-12	5	7	\$25.88	Yes	\$1,000.00	\$974.12
8	2-Nov-12	5	8	\$27.04	Yes	\$1,000.00	\$972.96
9	2-Nov-12	5	9	\$27.04	Yes	\$1,000.00	\$972.96
10	2-Nov-12	5	10	\$27.11	Yes	\$1,000.00	\$972.89
11	2-Nov-12	5	11	\$26.47	Yes	\$1,000.00	\$973.53
12	2-Nov-12	5	12	\$27.51	Yes	\$1,000.00	\$972.49
13	2-Nov-12	6	1	(\$73.77)	Yes	\$1,000.00	\$1,073.77
14	2-Nov-12	6	2	\$5.10	Yes	\$1,000.00	\$994.90
15	2-Nov-12	6	3	\$16.26	Yes	\$1,000.00	\$983.74
16	2-Nov-12	6	4	(\$65.90)	Yes	\$1,000.00	\$1,065.90
17	2-Nov-12	6	5	\$25.84	Yes	\$1,000.00	\$974.16
18	2-Nov-12	6	6	\$28.45	Yes	\$1,000.00	\$971.55
19	2-Nov-12	6	7	\$28.45	Yes	\$1,000.00	\$971.55
20	2-Nov-12	6	8	\$28.68	Yes	\$1,000.00	\$971.32
21	2-Nov-12	6	9	\$28.43	Yes	\$1,000.00	\$971.57
22	2-Nov-12	6	10	\$28.11	Yes	\$1,000.00	\$971.89
23	2-Nov-12	6	11	\$29.10	Yes	\$1,000.00	\$970.90
24	2-Nov-12	6	12	\$29.97	Yes	\$1,000.00	\$970.03
25	2-Nov-12	7	1	\$25.77	Yes	\$1,000.00	\$974.23
26	2-Nov-12	7	2	\$24.43	Yes	\$1,000.00	\$975.57
27	2-Nov-12	7	3	\$25.45	Yes	\$1,000.00	\$974.55
28	2-Nov-12	7	4	\$28.52	Yes	\$1,000.00	\$971.48
29	2-Nov-12	7	5	\$29.55	Yes	\$1,000.00	\$970.45
30	2-Nov-12	7	6	\$30.71	Yes	\$1,000.00	\$969.29
31	2-Nov-12	7	7	\$33.10	Yes	\$1,000.00	\$966.90
32	2-Nov-12	7	8	\$37.19	Yes	\$1,000.00	\$962.81
33	2-Nov-12	7	9	\$46.42	Yes	\$1,000.00	\$953.58
34	2-Nov-12	7	10	\$41.38	Yes	\$1,000.00	\$958.62
35	2-Nov-12	7	11	\$49.20	Yes	\$1,000.00	\$950.80
36	2-Nov-12	7	12	\$59.29	Yes	\$1,000.00	\$940.71
37	2-Nov-12	8	1	\$39.58	Yes	\$1,000.00	\$960.42
38	2-Nov-12	8	2	\$36.50	Yes	\$1,000.00	\$963.50
39	2-Nov-12	8	3	\$30.66	Yes	\$1,000.00	\$969.34
40	2-Nov-12	8	4	\$70.84	Yes	\$1,000.00	\$929.16
41	2-Nov-12	8	5	\$53.93	Yes	\$1,000.00	\$946.07

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
42	2-Nov-12	8	6	\$46.37	Yes	\$1,000.00	\$953.63
43	2-Nov-12	8	7	\$46.15	Yes	\$1,000.00	\$953.85
44	2-Nov-12	8	8	\$34.94	Yes	\$1,000.00	\$965.06
45	2-Nov-12	8	9	\$34.94	Yes	\$1,000.00	\$965.06
46	2-Nov-12	8	10	\$34.94	Yes	\$1,000.00	\$965.06
47	2-Nov-12	8	11	\$34.94	Yes	\$1,000.00	\$965.06
48	2-Nov-12	8	12	\$38.74	Yes	\$1,000.00	\$961.26
49	2-Nov-12	9	1	\$39.43	Yes	\$1,000.00	\$960.57
50	2-Nov-12	9	2	\$42.17	Yes	\$1,000.00	\$957.83
51	2-Nov-12	9	3	\$41.72	Yes	\$1,000.00	\$958.28
52	2-Nov-12	9	4	\$40.26	Yes	\$1,000.00	\$959.74
53	2-Nov-12	9	5	\$41.29	Yes	\$1,000.00	\$958.71
54	2-Nov-12	9	6	\$41.52	Yes	\$1,000.00	\$958.48
55	2-Nov-12	9	7	\$42.70	Yes	\$1,000.00	\$957.30
56	2-Nov-12	9	8	\$42.42	Yes	\$1,000.00	\$957.58
57	2-Nov-12	9	9	\$42.42	Yes	\$1,000.00	\$957.58
58	2-Nov-12	9	10	\$42.45	Yes	\$1,000.00	\$957.55
59	2-Nov-12	9	11	\$42.74	Yes	\$1,000.00	\$957.26
60	2-Nov-12	9	12	\$39.24	Yes	\$1,000.00	\$960.76
61	2-Nov-12	10	1	\$39.27	Yes	\$1,000.00	\$960.73
62	2-Nov-12	10	2	\$40.26	Yes	\$1,000.00	\$959.74
63	2-Nov-12	10	3	\$47.63	Yes	\$1,000.00	\$952.37
64	2-Nov-12	10	4	\$43.77	Yes	\$1,000.00	\$956.23
65	2-Nov-12	10	5	\$43.77	Yes	\$1,000.00	\$956.23
66	2-Nov-12	10	6	\$43.50	Yes	\$1,000.00	\$956.50
67	2-Nov-12	10	7	\$43.85	Yes	\$1,000.00	\$956.15
68	2-Nov-12	10	8	\$43.83	Yes	\$1,000.00	\$956.17
69	2-Nov-12	10	9	\$43.81	Yes	\$1,000.00	\$956.19
70	2-Nov-12	10	10	\$44.07	Yes	\$1,000.00	\$955.93
71	2-Nov-12	10	11	\$44.07	Yes	\$1,000.00	\$955.93
72	2-Nov-12	10	12	\$44.76	Yes	\$1,000.00	\$955.24
73	2-Nov-12	11	1	\$43.82	Yes	\$1,000.00	\$956.18
74	2-Nov-12	11	2	\$43.90	Yes	\$1,000.00	\$956.10
75	2-Nov-12	11	3	\$43.82	Yes	\$1,000.00	\$956.18
76	2-Nov-12	11	4	\$43.94	Yes	\$1,000.00	\$956.06
77	2-Nov-12	11	5	\$44.00	Yes	\$1,000.00	\$956.00
78	2-Nov-12	11	6	\$44.02	Yes	\$1,000.00	\$955.98
79	2-Nov-12	11	7	\$44.23	Yes	\$1,000.00	\$955.77
80	2-Nov-12	11	8	\$44.59	Yes	\$1,000.00	\$955.41
81	2-Nov-12	11	9	\$44.64	Yes	\$1,000.00	\$955.36
82	2-Nov-12	11	10	\$44.98	Yes	\$1,000.00	\$955.02
83	2-Nov-12	11	11	\$44.26	Yes	\$1,000.00	\$955.74
84	2-Nov-12	11	12	\$43.37	Yes	\$1,000.00	\$956.63
85	2-Nov-12	12	1	\$44.42	Yes	\$1,000.00	\$955.58
86	2-Nov-12	12	2	\$44.42	Yes	\$1,000.00	\$955.58

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
87	2-Nov-12	12	3	\$44.48	Yes	\$1,000.00	\$955.52
88	2-Nov-12	12	4	\$44.68	Yes	\$1,000.00	\$955.32
89	2-Nov-12	12	5	\$44.68	Yes	\$1,000.00	\$955.32
90	2-Nov-12	12	6	\$44.68	Yes	\$1,000.00	\$955.32
91	2-Nov-12	12	7	(\$11.53)	Yes	\$1,000.00	\$1,011.53
92	2-Nov-12	12	8	\$0.15	Yes	\$1,000.00	\$999.85
93	2-Nov-12	12	9	\$38.79	Yes	\$1,000.00	\$961.21
94	2-Nov-12	12	10	\$40.97	Yes	\$1,000.00	\$959.03
95	2-Nov-12	12	11	\$40.97	Yes	\$1,000.00	\$959.03
96	2-Nov-12	12	12	\$37.72	Yes	\$1,000.00	\$962.28
97	2-Nov-12	13	1	\$38.49	Yes	\$1,000.00	\$961.51
98	2-Nov-12	13	2	\$39.35	Yes	\$1,000.00	\$960.65
99	2-Nov-12	13	3	\$41.31	Yes	\$1,000.00	\$958.69
100	2-Nov-12	13	4	\$38.89	Yes	\$1,000.00	\$961.11
101	2-Nov-12	13	5	\$43.64	Yes	\$1,000.00	\$956.36
102	2-Nov-12	13	6	\$37.46	Yes	\$1,000.00	\$962.54
103	2-Nov-12	13	7	\$39.09	Yes	\$1,000.00	\$960.91
104	2-Nov-12	13	8	\$41.47	Yes	\$1,000.00	\$958.53
105	2-Nov-12	13	9	\$42.47	Yes	\$1,000.00	\$957.53
106	2-Nov-12	13	10	\$33.75	Yes	\$1,000.00	\$966.25
107	2-Nov-12	13	11	\$44.05	Yes	\$1,000.00	\$955.95
108	2-Nov-12	13	12	\$38.81	Yes	\$1,000.00	\$961.19
109	2-Nov-12	14	1	\$90.55	No	\$1,000.00	\$909.45
110	2-Nov-12	14	2	\$47.29	No	\$1,000.00	\$952.71
111	2-Nov-12	14	3	\$48.34	No	\$1,000.00	\$951.66
112	2-Nov-12	14	4	\$47.98	No	\$1,000.00	\$952.02
113	2-Nov-12	14	5	\$45.39	No	\$1,000.00	\$954.61
114	2-Nov-12	14	6	\$45.39	No	\$1,000.00	\$954.61
115	2-Nov-12	14	7	\$48.65	No	\$1,000.00	\$951.35
116	2-Nov-12	14	8	\$45.67	No	\$1,000.00	\$954.33
117	2-Nov-12	14	9	\$45.67	No	\$1,000.00	\$954.33
118	2-Nov-12	14	10	\$46.26	No	\$1,000.00	\$953.74
119	2-Nov-12	14	11	\$45.51	No	\$1,000.00	\$954.49
120	2-Nov-12	14	12	\$45.36	No	\$1,000.00	\$954.64
121	2-Nov-12	15	1	\$45.30	Yes	\$1,000.00	\$954.70
122	2-Nov-12	15	2	\$44.93	Yes	\$1,000.00	\$955.07
123	2-Nov-12	15	3	\$45.11	Yes	\$1,000.00	\$954.89
124	2-Nov-12	15	4	\$44.97	Yes	\$1,000.00	\$955.03
125	2-Nov-12	15	5	\$45.02	Yes	\$1,000.00	\$954.98
126	2-Nov-12	15	6	\$44.97	Yes	\$1,000.00	\$955.03
127	2-Nov-12	15	7	\$45.56	Yes	\$1,000.00	\$954.44
128	2-Nov-12	15	8	\$45.05	Yes	\$1,000.00	\$954.95
129	2-Nov-12	15	9	\$45.43	Yes	\$1,000.00	\$954.57
130	2-Nov-12	15	10	\$46.41	Yes	\$1,000.00	\$953.59
131	2-Nov-12	15	11	\$45.67	Yes	\$1,000.00	\$954.33

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
132	2-Nov-12	15	12	\$46.90	Yes	\$1,000.00	\$953.10
133	2-Nov-12	16	1	\$41.29	Yes	\$1,000.00	\$958.71
134	2-Nov-12	16	2	\$44.92	Yes	\$1,000.00	\$955.08
135	2-Nov-12	16	3	\$40.10	Yes	\$1,000.00	\$959.90
136	2-Nov-12	16	4	\$46.56	Yes	\$1,000.00	\$953.44
137	2-Nov-12	16	5	\$46.72	Yes	\$1,000.00	\$953.28
138	2-Nov-12	16	6	\$44.32	Yes	\$1,000.00	\$955.68
139	2-Nov-12	16	7	\$44.55	Yes	\$1,000.00	\$955.45
140	2-Nov-12	16	8	\$44.22	Yes	\$1,000.00	\$955.78
141	2-Nov-12	16	9	\$44.18	Yes	\$1,000.00	\$955.82
142	2-Nov-12	16	10	\$44.27	Yes	\$1,000.00	\$955.73
143	2-Nov-12	16	11	\$44.92	Yes	\$1,000.00	\$955.08
144	2-Nov-12	16	12	\$46.72	Yes	\$1,000.00	\$953.28
145	2-Nov-12	17	1	\$40.12	Yes	\$1,000.00	\$959.88
146	2-Nov-12	17	2	\$39.61	Yes	\$1,000.00	\$960.39
147	2-Nov-12	17	3	\$41.36	Yes	\$1,000.00	\$958.64
148	2-Nov-12	17	4	\$112.11	Yes	\$1,000.00	\$887.89
149	2-Nov-12	17	5	\$48.71	Yes	\$1,000.00	\$951.29
150	2-Nov-12	17	6	\$48.98	Yes	\$1,000.00	\$951.02
151	2-Nov-12	17	7	\$40.20	Yes	\$1,000.00	\$959.80
152	2-Nov-12	17	8	\$46.61	Yes	\$1,000.00	\$953.39
153	2-Nov-12	17	9	\$48.99	Yes	\$1,000.00	\$951.01
154	2-Nov-12	17	10	\$48.06	Yes	\$1,000.00	\$951.94
155	2-Nov-12	17	11	\$50.86	Yes	\$1,000.00	\$949.14
156	2-Nov-12	17	12	\$58.41	Yes	\$1,000.00	\$941.59
157	2-Nov-12	18	1	\$38.60	Yes	\$1,000.00	\$961.40
158	2-Nov-12	18	2	\$38.60	Yes	\$1,000.00	\$961.40
159	2-Nov-12	18	3	\$39.32	Yes	\$1,000.00	\$960.68
160	2-Nov-12	18	4	\$40.98	Yes	\$1,000.00	\$959.02
161	2-Nov-12	18	5	\$44.11	Yes	\$1,000.00	\$955.89
162	2-Nov-12	18	6	\$46.54	Yes	\$1,000.00	\$953.46
163	2-Nov-12	18	7	\$39.28	Yes	\$1,000.00	\$960.72
164	2-Nov-12	18	8	\$60.23	Yes	\$1,000.00	\$939.77
165	2-Nov-12	18	9	\$113.75	Yes	\$1,000.00	\$886.25
166	2-Nov-12	18	10	\$49.87	Yes	\$1,000.00	\$950.13
167	2-Nov-12	18	11	\$50.34	Yes	\$1,000.00	\$949.66
168	2-Nov-12	18	12	\$58.16	Yes	\$1,000.00	\$941.84
169	2-Nov-12	19	1	\$39.15	Yes	\$1,000.00	\$960.85
170	2-Nov-12	19	2	\$40.11	Yes	\$1,000.00	\$959.89
171	2-Nov-12	19	3	\$40.11	Yes	\$1,000.00	\$959.89
172	2-Nov-12	19	4	\$43.33	Yes	\$1,000.00	\$956.67
173	2-Nov-12	19	5	\$50.72	Yes	\$1,000.00	\$949.28
174	2-Nov-12	19	6	\$52.76	Yes	\$1,000.00	\$947.24
175	2-Nov-12	19	7	\$52.57	Yes	\$1,000.00	\$947.43
176	2-Nov-12	19	8	\$52.97	Yes	\$1,000.00	\$947.03

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
177	2-Nov-12	19	9	\$51.43	Yes	\$1,000.00	\$948.57
178	2-Nov-12	19	10	\$54.93	Yes	\$1,000.00	\$945.07
179	2-Nov-12	19	11	\$60.44	Yes	\$1,000.00	\$939.56
180	2-Nov-12	19	12	\$48.94	Yes	\$1,000.00	\$951.06
181	2-Nov-12	20	1	\$65.20	Yes	\$1,000.00	\$934.80
182	2-Nov-12	20	2	\$40.24	Yes	\$1,000.00	\$959.76
183	2-Nov-12	20	3	\$40.28	Yes	\$1,000.00	\$959.72
184	2-Nov-12	20	4	\$40.62	Yes	\$1,000.00	\$959.38
185	2-Nov-12	20	5	\$40.62	Yes	\$1,000.00	\$959.38
186	2-Nov-12	20	6	\$43.04	Yes	\$1,000.00	\$956.96
187	2-Nov-12	20	7	\$41.43	Yes	\$1,000.00	\$958.57
188	2-Nov-12	20	8	\$41.19	Yes	\$1,000.00	\$958.81
189	2-Nov-12	20	9	\$39.57	Yes	\$1,000.00	\$960.43
190	2-Nov-12	20	10	\$38.91	Yes	\$1,000.00	\$961.09
191	2-Nov-12	20	11	\$37.79	Yes	\$1,000.00	\$962.21
192	2-Nov-12	20	12	\$32.84	Yes	\$1,000.00	\$967.16
193	2-Nov-12	21	1	\$111.90	Yes	\$1,000.00	\$888.10
194	2-Nov-12	21	2	\$110.99	Yes	\$1,000.00	\$889.01
195	2-Nov-12	21	3	\$60.02	Yes	\$1,000.00	\$939.98
196	2-Nov-12	21	4	\$48.39	Yes	\$1,000.00	\$951.61
197	2-Nov-12	21	5	\$49.65	Yes	\$1,000.00	\$950.35
198	2-Nov-12	21	6	\$48.46	Yes	\$1,000.00	\$951.54
199	2-Nov-12	21	7	\$47.67	Yes	\$1,000.00	\$952.33
200	2-Nov-12	21	8	\$44.59	Yes	\$1,000.00	\$955.41
201	2-Nov-12	21	9	\$40.92	Yes	\$1,000.00	\$959.08
202	2-Nov-12	21	10	\$45.42	Yes	\$1,000.00	\$954.58
203	2-Nov-12	21	11	\$38.66	Yes	\$1,000.00	\$961.34
204	2-Nov-12	21	12	\$38.66	Yes	\$1,000.00	\$961.34
205	2-Nov-12	22	1	\$41.60	Yes	\$1,000.00	\$958.40
206	2-Nov-12	22	2	\$39.12	Yes	\$1,000.00	\$960.88
207	2-Nov-12	22	3	\$39.12	Yes	\$1,000.00	\$960.88
208	2-Nov-12	22	4	\$40.17	Yes	\$1,000.00	\$959.83
209	2-Nov-12	22	5	\$38.93	Yes	\$1,000.00	\$961.07
210	2-Nov-12	22	6	\$38.72	Yes	\$1,000.00	\$961.28
211	2-Nov-12	22	7	\$37.53	Yes	\$1,000.00	\$962.47
212	2-Nov-12	22	8	\$37.53	Yes	\$1,000.00	\$962.47
213	2-Nov-12	22	9	\$33.66	Yes	\$1,000.00	\$966.34
214	2-Nov-12	22	10	\$35.87	Yes	\$1,000.00	\$964.13
215	2-Nov-12	22	11	\$33.07	Yes	\$1,000.00	\$966.93
216	2-Nov-12	22	12	\$32.35	Yes	\$1,000.00	\$967.65
217	5-Nov-12	9	3	\$27.78	Yes	\$1,000.00	\$972.22
218	5-Nov-12	9	4	\$26.02	Yes	\$1,000.00	\$973.98
219	5-Nov-12	9	5	\$26.75	Yes	\$1,000.00	\$973.25
220	5-Nov-12	9	6	\$26.93	Yes	\$1,000.00	\$973.07
221	5-Nov-12	9	7	\$27.41	Yes	\$1,000.00	\$972.59

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
222	5-Nov-12	9	8	\$27.73	Yes	\$1,000.00	\$972.27
223	5-Nov-12	9	9	\$28.44	Yes	\$1,000.00	\$971.56
224	5-Nov-12	9	10	\$28.90	Yes	\$1,000.00	\$971.10
225	5-Nov-12	9	11	\$28.33	Yes	\$1,000.00	\$971.67
226	5-Nov-12	9	12	\$28.90	Yes	\$1,000.00	\$971.10
227	5-Nov-12	10	1	\$28.57	Yes	\$1,000.00	\$971.43
228	5-Nov-12	10	2	\$27.28	Yes	\$1,000.00	\$972.72
229	5-Nov-12	10	3	\$28.57	Yes	\$1,000.00	\$971.43
230	5-Nov-12	10	4	\$28.57	Yes	\$1,000.00	\$971.43
231	5-Nov-12	10	5	\$28.84	Yes	\$1,000.00	\$971.16
232	5-Nov-12	10	6	\$28.91	Yes	\$1,000.00	\$971.09
233	5-Nov-12	10	7	\$28.25	Yes	\$1,000.00	\$971.75
234	5-Nov-12	10	8	\$27.11	Yes	\$1,000.00	\$972.89
235	5-Nov-12	10	9	\$30.36	Yes	\$1,000.00	\$969.64
236	5-Nov-12	10	10	\$31.44	Yes	\$1,000.00	\$968.56
237	5-Nov-12	10	11	\$30.70	Yes	\$1,000.00	\$969.30
238	5-Nov-12	10	12	\$31.44	Yes	\$1,000.00	\$968.56
239	5-Nov-12	11	1	\$31.73	Yes	\$1,000.00	\$968.27
240	5-Nov-12	11	2	\$31.95	Yes	\$1,000.00	\$968.05
241	5-Nov-12	11	3	\$31.95	Yes	\$1,000.00	\$968.05
242	5-Nov-12	11	4	\$32.45	Yes	\$1,000.00	\$967.55
243	5-Nov-12	11	5	\$32.53	Yes	\$1,000.00	\$967.47
244	5-Nov-12	11	6	\$32.86	Yes	\$1,000.00	\$967.14
245	5-Nov-12	11	7	\$28.95	Yes	\$1,000.00	\$971.05
246	5-Nov-12	11	8	\$32.52	Yes	\$1,000.00	\$967.48
247	5-Nov-12	11	9	\$32.40	Yes	\$1,000.00	\$967.60
248	5-Nov-12	11	10	\$33.12	Yes	\$1,000.00	\$966.88
249	5-Nov-12	11	11	\$33.12	Yes	\$1,000.00	\$966.88
250	5-Nov-12	11	12	\$32.85	Yes	\$1,000.00	\$967.15
251	5-Nov-12	12	1	\$32.61	Yes	\$1,000.00	\$967.39
252	5-Nov-12	12	2	\$31.64	Yes	\$1,000.00	\$968.36
253	5-Nov-12	12	3	\$23.44	Yes	\$1,000.00	\$976.56
254	5-Nov-12	12	4	\$32.02	Yes	\$1,000.00	\$967.98
255	5-Nov-12	12	5	\$32.02	Yes	\$1,000.00	\$967.98
256	5-Nov-12	12	6	\$32.50	Yes	\$1,000.00	\$967.50
257	5-Nov-12	12	7	\$15.16	Yes	\$1,000.00	\$984.84
258	5-Nov-12	12	8	\$46.46	Yes	\$1,000.00	\$953.54
259	5-Nov-12	12	9	\$46.72	Yes	\$1,000.00	\$953.28
260	5-Nov-12	12	10	\$14.91	Yes	\$1,000.00	\$985.09
261	5-Nov-12	12	11	(\$33.74)	Yes	\$1,000.00	\$1,033.74
262	5-Nov-12	12	12	(\$28.79)	Yes	\$1,000.00	\$1,028.79
263	5-Nov-12	13	1	(\$24.89)	Yes	\$1,000.00	\$1,024.89
264	5-Nov-12	13	2	\$40.07	Yes	\$1,000.00	\$959.93
265	5-Nov-12	13	3	\$10.92	Yes	\$1,000.00	\$989.08
266	5-Nov-12	13	4	(\$45.37)	Yes	\$1,000.00	\$1,045.37

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
267	5-Nov-12	13	5	(\$13.85)	Yes	\$1,000.00	\$1,013.85
268	5-Nov-12	13	6	(\$17.29)	Yes	\$1,000.00	\$1,017.29
269	5-Nov-12	13	7	(\$20.11)	Yes	\$1,000.00	\$1,020.11
270	5-Nov-12	13	8	\$16.57	Yes	\$1,000.00	\$983.43
271	5-Nov-12	13	9	(\$20.02)	Yes	\$1,000.00	\$1,020.02
272	5-Nov-12	13	10	\$27.38	Yes	\$1,000.00	\$972.62
273	5-Nov-12	13	11	\$20.32	Yes	\$1,000.00	\$979.68
274	5-Nov-12	13	12	\$47.11	Yes	\$1,000.00	\$952.89
275	5-Nov-12	14	1	\$43.24	Yes	\$1,000.00	\$956.76
276	5-Nov-12	14	2	\$42.84	Yes	\$1,000.00	\$957.16
277	5-Nov-12	14	3	\$44.32	Yes	\$1,000.00	\$955.68
278	5-Nov-12	14	4	\$42.81	Yes	\$1,000.00	\$957.19
279	5-Nov-12	14	5	\$1,848.52	Yes	\$1,000.00	(\$848.52)
280	5-Nov-12	14	6	\$1,811.34	Yes	\$1,000.00	(\$811.34)
281	5-Nov-12	14	7	\$50.75	Yes	\$1,000.00	\$949.25
282	5-Nov-12	14	8	\$934.83	Yes	\$1,000.00	\$65.17
283	5-Nov-12	14	9	\$58.95	Yes	\$1,000.00	\$941.05
284	5-Nov-12	14	10	\$64.33	Yes	\$1,000.00	\$935.67
285	5-Nov-12	14	11	\$59.60	Yes	\$1,000.00	\$940.40
286	5-Nov-12	14	12	\$63.58	Yes	\$1,000.00	\$936.42
287	5-Nov-12	15	1	\$55.89	Yes	\$1,000.00	\$944.11
288	5-Nov-12	15	2	\$59.70	Yes	\$1,000.00	\$940.30
289	5-Nov-12	15	3	\$435.49	Yes	\$1,000.00	\$564.51
290	5-Nov-12	15	4	\$60.03	Yes	\$1,000.00	\$939.97
291	5-Nov-12	15	5	\$60.05	Yes	\$1,000.00	\$939.95
292	5-Nov-12	15	6	\$59.78	Yes	\$1,000.00	\$940.22
293	5-Nov-12	15	7	\$48.65	Yes	\$1,000.00	\$951.35
294	5-Nov-12	15	8	\$59.83	Yes	\$1,000.00	\$940.17
295	5-Nov-12	15	9	\$59.83	Yes	\$1,000.00	\$940.17
296	5-Nov-12	15	10	\$59.96	Yes	\$1,000.00	\$940.04
297	5-Nov-12	15	11	\$604.72	Yes	\$1,000.00	\$395.28
298	5-Nov-12	15	12	\$64.86	Yes	\$1,000.00	\$935.14
299	5-Nov-12	16	1	\$58.03	Yes	\$1,000.00	\$941.97
300	5-Nov-12	16	2	\$39.64	Yes	\$1,000.00	\$960.36
301	5-Nov-12	16	3	\$56.77	Yes	\$1,000.00	\$943.23
302	5-Nov-12	16	4	\$35.93	Yes	\$1,000.00	\$964.07
303	5-Nov-12	16	5	\$38.44	Yes	\$1,000.00	\$961.56
304	5-Nov-12	16	6	\$37.42	Yes	\$1,000.00	\$962.58
305	5-Nov-12	16	7	\$36.18	Yes	\$1,000.00	\$963.82
306	5-Nov-12	16	8	\$38.20	Yes	\$1,000.00	\$961.80
307	5-Nov-12	16	9	\$41.21	Yes	\$1,000.00	\$958.79
308	5-Nov-12	16	10	\$46.02	Yes	\$1,000.00	\$953.98
309	5-Nov-12	16	11	\$46.50	Yes	\$1,000.00	\$953.50
310	5-Nov-12	16	12	\$40.97	Yes	\$1,000.00	\$959.03
311	5-Nov-12	17	1	\$40.72	Yes	\$1,000.00	\$959.28

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
312	5-Nov-12	17	2	\$38.73	Yes	\$1,000.00	\$961.27
313	5-Nov-12	17	3	\$35.75	Yes	\$1,000.00	\$964.25
314	5-Nov-12	17	4	\$36.55	Yes	\$1,000.00	\$963.45
315	5-Nov-12	17	5	\$36.55	Yes	\$1,000.00	\$963.45
316	5-Nov-12	17	6	\$36.55	Yes	\$1,000.00	\$963.45
317	5-Nov-12	17	7	\$36.76	Yes	\$1,000.00	\$963.24
318	5-Nov-12	17	8	\$36.43	Yes	\$1,000.00	\$963.57
319	5-Nov-12	17	9	\$35.90	Yes	\$1,000.00	\$964.10
320	5-Nov-12	17	10	\$38.38	Yes	\$1,000.00	\$961.62
321	5-Nov-12	17	11	\$37.54	Yes	\$1,000.00	\$962.46
322	5-Nov-12	17	12	\$40.97	Yes	\$1,000.00	\$959.03
323	5-Nov-12	18	1	\$36.31	Yes	\$1,000.00	\$963.69
324	5-Nov-12	18	2	\$37.22	Yes	\$1,000.00	\$962.78
325	5-Nov-12	18	3	\$39.55	Yes	\$1,000.00	\$960.45
326	5-Nov-12	18	4	\$47.74	Yes	\$1,000.00	\$952.26
327	5-Nov-12	18	5	\$51.22	Yes	\$1,000.00	\$948.78
328	5-Nov-12	18	6	\$48.83	Yes	\$1,000.00	\$951.17
329	5-Nov-12	18	7	\$51.32	Yes	\$1,000.00	\$948.68
330	5-Nov-12	18	8	\$45.87	Yes	\$1,000.00	\$954.13
331	5-Nov-12	18	9	\$45.29	Yes	\$1,000.00	\$954.71
332	5-Nov-12	18	10	\$45.84	Yes	\$1,000.00	\$954.16
333	5-Nov-12	18	11	\$45.84	Yes	\$1,000.00	\$954.16
334	5-Nov-12	18	12	\$42.32	Yes	\$1,000.00	\$957.68
335	5-Nov-12	19	1	\$36.62	Yes	\$1,000.00	\$963.38
336	5-Nov-12	19	2	\$36.01	Yes	\$1,000.00	\$963.99
337	5-Nov-12	19	3	\$34.07	Yes	\$1,000.00	\$965.93
338	5-Nov-12	19	4	\$35.44	Yes	\$1,000.00	\$964.56
339	5-Nov-12	19	5	\$34.10	Yes	\$1,000.00	\$965.90
340	5-Nov-12	19	6	\$34.05	Yes	\$1,000.00	\$965.95
341	5-Nov-12	19	7	\$32.95	Yes	\$1,000.00	\$967.05
342	5-Nov-12	19	8	\$33.43	Yes	\$1,000.00	\$966.57
343	5-Nov-12	19	9	\$33.43	Yes	\$1,000.00	\$966.57
344	5-Nov-12	19	10	\$33.63	Yes	\$1,000.00	\$966.37
345	5-Nov-12	19	11	\$33.63	Yes	\$1,000.00	\$966.37
346	5-Nov-12	19	12	\$32.16	Yes	\$1,000.00	\$967.84
347	5-Nov-12	20	1	\$33.42	Yes	\$1,000.00	\$966.58
348	5-Nov-12	20	2	\$33.59	Yes	\$1,000.00	\$966.41
349	5-Nov-12	20	3	\$34.84	Yes	\$1,000.00	\$965.16
350	5-Nov-12	20	4	\$33.67	Yes	\$1,000.00	\$966.33
351	5-Nov-12	20	5	\$33.37	Yes	\$1,000.00	\$966.63
352	5-Nov-12	20	6	\$32.92	Yes	\$1,000.00	\$967.08
353	5-Nov-12	20	7	\$32.71	Yes	\$1,000.00	\$967.29
354	5-Nov-12	20	8	\$31.75	Yes	\$1,000.00	\$968.25
355	5-Nov-12	20	9	\$31.73	Yes	\$1,000.00	\$968.27
356	5-Nov-12	20	10	\$31.66	Yes	\$1,000.00	\$968.34

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
357	5-Nov-12	20	11	\$30.83	Yes	\$1,000.00	\$969.17
358	5-Nov-12	20	12	\$28.77	Yes	\$1,000.00	\$971.23
359	5-Nov-12	21	1	\$33.05	Yes	\$1,000.00	\$966.95
360	5-Nov-12	21	2	\$33.05	Yes	\$1,000.00	\$966.95
361	5-Nov-12	21	3	\$32.55	Yes	\$1,000.00	\$967.45
362	5-Nov-12	21	4	\$32.44	Yes	\$1,000.00	\$967.56
363	5-Nov-12	21	5	\$32.57	Yes	\$1,000.00	\$967.43
364	5-Nov-12	21	6	\$31.75	Yes	\$1,000.00	\$968.25
365	5-Nov-12	21	7	\$30.86	Yes	\$1,000.00	\$969.14
366	5-Nov-12	21	8	\$29.75	Yes	\$1,000.00	\$970.25
367	5-Nov-12	21	9	\$29.58	Yes	\$1,000.00	\$970.42
368	5-Nov-12	21	10	\$29.11	Yes	\$1,000.00	\$970.89
369	5-Nov-12	21	11	\$29.33	Yes	\$1,000.00	\$970.67
370	5-Nov-12	21	12	\$28.10	Yes	\$1,000.00	\$971.90
371	5-Nov-12	22	1	\$29.69	Yes	\$1,000.00	\$970.31
372	5-Nov-12	22	2	\$29.69	Yes	\$1,000.00	\$970.31
373	5-Nov-12	22	3	\$36.20	Yes	\$1,000.00	\$963.80
374	5-Nov-12	22	4	\$32.68	Yes	\$1,000.00	\$967.32
375	5-Nov-12	22	5	\$31.44	Yes	\$1,000.00	\$968.56
376	5-Nov-12	22	6	\$29.39	Yes	\$1,000.00	\$970.61
377	5-Nov-12	22	7	\$28.99	Yes	\$1,000.00	\$971.01
378	5-Nov-12	22	8	\$28.50	Yes	\$1,000.00	\$971.50
379	5-Nov-12	22	9	\$27.80	Yes	\$1,000.00	\$972.20
380	5-Nov-12	22	10	\$26.61	Yes	\$1,000.00	\$973.39
381	5-Nov-12	22	11	\$25.73	Yes	\$1,000.00	\$974.27
382	5-Nov-12	22	12	\$25.75	Yes	\$1,000.00	\$974.25
383	5-Nov-12	23	1	\$29.19	Yes	\$1,000.00	\$970.81
384	5-Nov-12	23	2	\$30.77	Yes	\$1,000.00	\$969.23
385	5-Nov-12	23	3	\$32.34	Yes	\$1,000.00	\$967.66
386	5-Nov-12	23	4	\$31.47	Yes	\$1,000.00	\$968.53
387	5-Nov-12	23	5	\$29.42	Yes	\$1,000.00	\$970.58
388	5-Nov-12	23	6	\$27.13	Yes	\$1,000.00	\$972.87
389	5-Nov-12	23	7	\$25.87	Yes	\$1,000.00	\$974.13
390	5-Nov-12	23	8	\$26.61	Yes	\$1,000.00	\$973.39
391	5-Nov-12	23	9	\$26.71	Yes	\$1,000.00	\$973.29
392	5-Nov-12	23	10	\$25.79	Yes	\$1,000.00	\$974.21
393	5-Nov-12	23	11	\$25.41	Yes	\$1,000.00	\$974.59
394	5-Nov-12	23	12	\$23.79	Yes	\$1,000.00	\$976.21
395	5-Nov-12	24	1	\$26.56	Yes	\$1,000.00	\$973.44
396	5-Nov-12	24	2	\$26.76	Yes	\$1,000.00	\$973.24
397	5-Nov-12	24	3	\$25.99	Yes	\$1,000.00	\$974.01
398	5-Nov-12	24	4	\$25.67	Yes	\$1,000.00	\$974.33
399	5-Nov-12	24	5	\$24.43	Yes	\$1,000.00	\$975.57
400	5-Nov-12	24	6	\$25.37	Yes	\$1,000.00	\$974.63
401	5-Nov-12	24	7	\$25.32	Yes	\$1,000.00	\$974.68

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
402	5-Nov-12	24	8	\$25.80	Yes	\$1,000.00	\$974.20
403	5-Nov-12	24	9	\$25.32	Yes	\$1,000.00	\$974.68
404	5-Nov-12	24	10	\$24.75	Yes	\$1,000.00	\$975.25
405	5-Nov-12	24	11	\$22.69	Yes	\$1,000.00	\$977.31
406	5-Nov-12	24	12	\$23.73	Yes	\$1,000.00	\$976.27
407	6-Nov-12	1	1	\$28.17	Yes	\$1,000.00	\$971.83
408	6-Nov-12	1	2	\$30.36	Yes	\$1,000.00	\$969.64
409	6-Nov-12	1	3	\$30.36	Yes	\$1,000.00	\$969.64
410	6-Nov-12	1	4	\$29.40	Yes	\$1,000.00	\$970.60
411	6-Nov-12	1	5	\$29.40	Yes	\$1,000.00	\$970.60
412	6-Nov-12	1	6	\$28.18	Yes	\$1,000.00	\$971.82
413	6-Nov-12	1	7	\$28.07	Yes	\$1,000.00	\$971.93
414	6-Nov-12	1	8	\$28.07	Yes	\$1,000.00	\$971.93
415	6-Nov-12	1	9	\$28.07	Yes	\$1,000.00	\$971.93
416	6-Nov-12	1	10	\$26.85	Yes	\$1,000.00	\$973.15
417	6-Nov-12	1	11	\$26.85	Yes	\$1,000.00	\$973.15
418	6-Nov-12	1	12	\$26.46	Yes	\$1,000.00	\$973.54
419	6-Nov-12	2	1	\$27.51	Yes	\$1,000.00	\$972.49
420	6-Nov-12	2	2	\$28.16	Yes	\$1,000.00	\$971.84
421	6-Nov-12	2	3	\$28.28	Yes	\$1,000.00	\$971.72
422	6-Nov-12	2	4	\$28.12	Yes	\$1,000.00	\$971.88
423	6-Nov-12	2	5	\$28.12	Yes	\$1,000.00	\$971.88
424	6-Nov-12	2	6	\$28.12	Yes	\$1,000.00	\$971.88
425	6-Nov-12	2	7	\$27.88	Yes	\$1,000.00	\$972.12
426	6-Nov-12	2	8	\$26.78	Yes	\$1,000.00	\$973.22
427	6-Nov-12	2	9	\$26.74	Yes	\$1,000.00	\$973.26
428	6-Nov-12	2	10	\$26.59	Yes	\$1,000.00	\$973.41
429	6-Nov-12	2	11	\$26.59	Yes	\$1,000.00	\$973.41
430	6-Nov-12	2	12	\$26.14	Yes	\$1,000.00	\$973.86
431	6-Nov-12	3	1	\$26.33	Yes	\$1,000.00	\$973.67
432	6-Nov-12	3	2	\$26.65	Yes	\$1,000.00	\$973.35
433	6-Nov-12	3	3	\$26.34	Yes	\$1,000.00	\$973.66
434	6-Nov-12	3	4	\$25.95	Yes	\$1,000.00	\$974.05
435	6-Nov-12	3	5	\$25.66	Yes	\$1,000.00	\$974.34
436	6-Nov-12	3	6	\$25.25	Yes	\$1,000.00	\$974.75
437	6-Nov-12	3	7	\$25.24	Yes	\$1,000.00	\$974.76
438	6-Nov-12	3	8	\$25.24	Yes	\$1,000.00	\$974.76
439	6-Nov-12	3	9	\$25.24	Yes	\$1,000.00	\$974.76
440	6-Nov-12	3	10	\$25.22	Yes	\$1,000.00	\$974.78
441	6-Nov-12	3	11	\$25.22	Yes	\$1,000.00	\$974.78
442	6-Nov-12	3	12	\$26.27	Yes	\$1,000.00	\$973.73
443	6-Nov-12	4	1	\$25.12	Yes	\$1,000.00	\$974.88
444	6-Nov-12	4	2	\$26.57	Yes	\$1,000.00	\$973.43
445	6-Nov-12	4	3	\$26.57	Yes	\$1,000.00	\$973.43
446	6-Nov-12	4	4	\$26.58	Yes	\$1,000.00	\$973.42

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
447	6-Nov-12	4	5	\$25.93	Yes	\$1,000.00	\$974.07
448	6-Nov-12	4	6	\$26.31	Yes	\$1,000.00	\$973.69
449	6-Nov-12	4	7	\$26.63	Yes	\$1,000.00	\$973.37
450	6-Nov-12	4	8	\$26.63	Yes	\$1,000.00	\$973.37
451	6-Nov-12	4	9	\$26.77	Yes	\$1,000.00	\$973.23
452	6-Nov-12	4	10	\$26.72	Yes	\$1,000.00	\$973.28
453	6-Nov-12	4	11	\$26.72	Yes	\$1,000.00	\$973.28
454	6-Nov-12	4	12	\$26.72	Yes	\$1,000.00	\$973.28
455	6-Nov-12	5	1	\$25.11	Yes	\$1,000.00	\$974.89
456	6-Nov-12	5	2	\$26.31	Yes	\$1,000.00	\$973.69
457	6-Nov-12	5	3	\$26.62	Yes	\$1,000.00	\$973.38
458	6-Nov-12	5	4	\$27.20	Yes	\$1,000.00	\$972.80
459	6-Nov-12	5	5	\$27.05	Yes	\$1,000.00	\$972.95
460	6-Nov-12	5	6	\$27.05	Yes	\$1,000.00	\$972.95
461	6-Nov-12	5	7	\$27.31	Yes	\$1,000.00	\$972.69
462	6-Nov-12	5	8	\$26.69	Yes	\$1,000.00	\$973.31
463	6-Nov-12	5	9	\$27.35	Yes	\$1,000.00	\$972.65
464	6-Nov-12	5	10	\$27.89	Yes	\$1,000.00	\$972.11
465	6-Nov-12	5	11	\$28.38	Yes	\$1,000.00	\$971.62
466	6-Nov-12	5	12	\$28.03	Yes	\$1,000.00	\$971.97
467	6-Nov-12	6	1	\$26.42	Yes	\$1,000.00	\$973.58
468	6-Nov-12	6	2	\$26.87	Yes	\$1,000.00	\$973.13
469	6-Nov-12	6	3	\$27.01	Yes	\$1,000.00	\$972.99
470	6-Nov-12	6	4	\$28.06	Yes	\$1,000.00	\$971.94
471	6-Nov-12	6	5	\$26.88	Yes	\$1,000.00	\$973.12
472	6-Nov-12	6	6	\$27.06	Yes	\$1,000.00	\$972.94
473	6-Nov-12	6	7	\$29.53	Yes	\$1,000.00	\$970.47
474	6-Nov-12	6	8	\$29.95	Yes	\$1,000.00	\$970.05
475	6-Nov-12	6	9	\$30.38	Yes	\$1,000.00	\$969.62
476	6-Nov-12	6	10	\$31.40	Yes	\$1,000.00	\$968.60
477	6-Nov-12	6	11	\$32.26	Yes	\$1,000.00	\$967.74
478	6-Nov-12	6	12	\$38.64	Yes	\$1,000.00	\$961.36
479	6-Nov-12	7	1	\$28.27	Yes	\$1,000.00	\$971.73
480	6-Nov-12	7	2	\$29.27	Yes	\$1,000.00	\$970.73
481	6-Nov-12	7	3	\$31.99	Yes	\$1,000.00	\$968.01
482	6-Nov-12	7	4	\$29.25	Yes	\$1,000.00	\$970.75
483	6-Nov-12	7	5	\$30.56	Yes	\$1,000.00	\$969.44
484	6-Nov-12	7	6	\$28.35	Yes	\$1,000.00	\$971.65
485	6-Nov-12	7	7	\$28.24	Yes	\$1,000.00	\$971.76
486	6-Nov-12	7	8	\$28.22	Yes	\$1,000.00	\$971.78
487	6-Nov-12	7	9	\$28.22	Yes	\$1,000.00	\$971.78
488	6-Nov-12	7	10	\$29.16	Yes	\$1,000.00	\$970.84
489	6-Nov-12	7	11	\$31.89	Yes	\$1,000.00	\$968.11
490	6-Nov-12	7	12	\$31.90	Yes	\$1,000.00	\$968.10
491	6-Nov-12	8	1	\$28.12	Yes	\$1,000.00	\$971.88

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
492	6-Nov-12	8	2	\$28.12	Yes	\$1,000.00	\$971.88
493	6-Nov-12	8	3	\$27.94	Yes	\$1,000.00	\$972.06
494	6-Nov-12	8	4	\$27.94	Yes	\$1,000.00	\$972.06
495	6-Nov-12	8	5	\$28.10	Yes	\$1,000.00	\$971.90
496	6-Nov-12	8	6	\$28.10	Yes	\$1,000.00	\$971.90
497	6-Nov-12	8	7	\$27.88	Yes	\$1,000.00	\$972.12
498	6-Nov-12	8	8	\$27.88	Yes	\$1,000.00	\$972.12
499	6-Nov-12	8	9	\$27.88	Yes	\$1,000.00	\$972.12
500	6-Nov-12	8	10	\$27.86	Yes	\$1,000.00	\$972.14
501	6-Nov-12	8	11	\$27.78	Yes	\$1,000.00	\$972.22
502	6-Nov-12	8	12	\$27.71	Yes	\$1,000.00	\$972.29
503	6-Nov-12	9	1	\$27.03	Yes	\$1,000.00	\$972.97
504	6-Nov-12	9	2	\$26.95	Yes	\$1,000.00	\$973.05
505	6-Nov-12	9	3	\$26.95	Yes	\$1,000.00	\$973.05
506	6-Nov-12	9	4	\$27.74	Yes	\$1,000.00	\$972.26
507	6-Nov-12	9	5	\$0.24	Yes	\$1,000.00	\$999.76
508	6-Nov-12	9	6	\$27.04	Yes	\$1,000.00	\$972.96
509	6-Nov-12	9	7	\$27.53	Yes	\$1,000.00	\$972.47
510	6-Nov-12	9	8	(\$55.33)	Yes	\$1,000.00	\$1,055.33
511	6-Nov-12	9	9	\$27.77	Yes	\$1,000.00	\$972.23
512	6-Nov-12	9	10	\$27.90	Yes	\$1,000.00	\$972.10
513	6-Nov-12	9	11	\$28.06	Yes	\$1,000.00	\$971.94
514	6-Nov-12	9	12	\$27.90	Yes	\$1,000.00	\$972.10
515	6-Nov-12	10	1	\$24.34	Yes	\$1,000.00	\$975.66
516	6-Nov-12	10	2	\$26.48	Yes	\$1,000.00	\$973.52
517	6-Nov-12	10	3	\$26.48	Yes	\$1,000.00	\$973.52
518	6-Nov-12	10	4	\$26.62	Yes	\$1,000.00	\$973.38
519	6-Nov-12	10	5	\$27.93	Yes	\$1,000.00	\$972.07
520	6-Nov-12	10	6	\$27.93	Yes	\$1,000.00	\$972.07
521	6-Nov-12	10	7	\$27.95	Yes	\$1,000.00	\$972.05
522	6-Nov-12	10	8	\$27.76	Yes	\$1,000.00	\$972.24
523	6-Nov-12	10	9	\$27.76	Yes	\$1,000.00	\$972.24
524	6-Nov-12	10	10	\$27.97	Yes	\$1,000.00	\$972.03
525	6-Nov-12	10	11	\$27.97	Yes	\$1,000.00	\$972.03
526	6-Nov-12	10	12	\$28.58	Yes	\$1,000.00	\$971.42
527	6-Nov-12	11	1	\$28.02	Yes	\$1,000.00	\$971.98
528	6-Nov-12	11	2	\$28.45	Yes	\$1,000.00	\$971.55
529	6-Nov-12	11	3	(\$56.10)	Yes	\$1,000.00	\$1,056.10
530	6-Nov-12	11	4	\$30.31	Yes	\$1,000.00	\$969.69
531	6-Nov-12	11	5	\$30.94	Yes	\$1,000.00	\$969.06
532	6-Nov-12	11	6	\$31.10	Yes	\$1,000.00	\$968.90
533	6-Nov-12	11	7	\$31.57	Yes	\$1,000.00	\$968.43
534	6-Nov-12	11	8	\$33.06	Yes	\$1,000.00	\$966.94
535	6-Nov-12	11	9	\$33.06	Yes	\$1,000.00	\$966.94
536	6-Nov-12	11	10	\$6.48	Yes	\$1,000.00	\$993.52

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
537	6-Nov-12	11	11	\$29.78	Yes	\$1,000.00	\$970.22
538	6-Nov-12	11	12	\$31.27	Yes	\$1,000.00	\$968.73
539	6-Nov-12	12	1	\$5.36	Yes	\$1,000.00	\$994.64
540	6-Nov-12	12	2	\$1.21	Yes	\$1,000.00	\$998.79
541	6-Nov-12	12	3	(\$12.59)	Yes	\$1,000.00	\$1,012.59
542	6-Nov-12	12	4	\$33.78	Yes	\$1,000.00	\$966.22
543	6-Nov-12	12	5	\$32.53	Yes	\$1,000.00	\$967.47
544	6-Nov-12	12	6	\$33.30	Yes	\$1,000.00	\$966.70
545	6-Nov-12	12	7	\$25.56	Yes	\$1,000.00	\$974.44
546	6-Nov-12	12	8	\$25.79	Yes	\$1,000.00	\$974.21
547	6-Nov-12	12	9	(\$15.59)	Yes	\$1,000.00	\$1,015.59
548	6-Nov-12	12	10	\$34.34	Yes	\$1,000.00	\$965.66
549	6-Nov-12	12	11	\$28.86	Yes	\$1,000.00	\$971.14
550	6-Nov-12	12	12	\$35.35	Yes	\$1,000.00	\$964.65
551	6-Nov-12	13	1	\$34.76	Yes	\$1,000.00	\$965.24
552	6-Nov-12	13	2	\$35.03	Yes	\$1,000.00	\$964.97
553	6-Nov-12	13	3	\$35.11	Yes	\$1,000.00	\$964.89
554	6-Nov-12	13	4	\$36.32	Yes	\$1,000.00	\$963.68
555	6-Nov-12	13	5	\$50.15	Yes	\$1,000.00	\$949.85
556	6-Nov-12	13	6	\$44.22	Yes	\$1,000.00	\$955.78
557	6-Nov-12	13	7	\$42.39	Yes	\$1,000.00	\$957.61
558	6-Nov-12	13	8	\$42.39	Yes	\$1,000.00	\$957.61
559	6-Nov-12	13	9	\$43.02	Yes	\$1,000.00	\$956.98
560	6-Nov-12	13	10	\$34.57	Yes	\$1,000.00	\$965.43
561	6-Nov-12	13	11	\$38.75	Yes	\$1,000.00	\$961.25
562	6-Nov-12	13	12	\$42.32	Yes	\$1,000.00	\$957.68
563	6-Nov-12	14	1	\$42.81	Yes	\$1,000.00	\$957.19
564	6-Nov-12	14	2	\$40.18	Yes	\$1,000.00	\$959.82
565	6-Nov-12	14	3	\$36.84	Yes	\$1,000.00	\$963.16
566	6-Nov-12	14	4	\$37.92	Yes	\$1,000.00	\$962.08
567	6-Nov-12	14	5	\$38.70	Yes	\$1,000.00	\$961.30
568	6-Nov-12	14	6	\$42.02	Yes	\$1,000.00	\$957.98
569	6-Nov-12	14	7	\$45.71	Yes	\$1,000.00	\$954.29
570	6-Nov-12	14	8	\$42.01	Yes	\$1,000.00	\$957.99
571	6-Nov-12	14	9	\$42.34	Yes	\$1,000.00	\$957.66
572	6-Nov-12	14	10	\$42.98	Yes	\$1,000.00	\$957.02
573	6-Nov-12	14	11	\$43.06	Yes	\$1,000.00	\$956.94
574	6-Nov-12	14	12	\$42.74	Yes	\$1,000.00	\$957.26
575	6-Nov-12	15	1	\$43.38	Yes	\$1,000.00	\$956.62
576	6-Nov-12	15	2	\$44.59	Yes	\$1,000.00	\$955.41
577	6-Nov-12	15	3	\$43.66	Yes	\$1,000.00	\$956.34
578	6-Nov-12	15	4	\$43.67	Yes	\$1,000.00	\$956.33
579	6-Nov-12	15	5	\$43.35	Yes	\$1,000.00	\$956.65
580	6-Nov-12	15	6	\$43.82	Yes	\$1,000.00	\$956.18
581	6-Nov-12	15	7	\$36.91	Yes	\$1,000.00	\$963.09

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
582	6-Nov-12	15	8	\$41.15	Yes	\$1,000.00	\$958.85
583	6-Nov-12	15	9	\$42.75	Yes	\$1,000.00	\$957.25
584	6-Nov-12	15	10	\$46.16	Yes	\$1,000.00	\$953.84
585	6-Nov-12	15	11	\$43.60	Yes	\$1,000.00	\$956.40
586	6-Nov-12	15	12	\$45.51	Yes	\$1,000.00	\$954.49
587	6-Nov-12	16	1	\$42.19	Yes	\$1,000.00	\$957.81
588	6-Nov-12	16	2	\$43.08	Yes	\$1,000.00	\$956.92
589	6-Nov-12	16	3	\$43.08	Yes	\$1,000.00	\$956.92
590	6-Nov-12	16	4	\$43.03	Yes	\$1,000.00	\$956.97
591	6-Nov-12	16	5	\$43.03	Yes	\$1,000.00	\$956.97
592	6-Nov-12	16	6	\$43.02	Yes	\$1,000.00	\$956.98
593	6-Nov-12	16	7	\$41.90	Yes	\$1,000.00	\$958.10
594	6-Nov-12	16	8	\$35.61	Yes	\$1,000.00	\$964.39
595	6-Nov-12	16	9	\$39.39	Yes	\$1,000.00	\$960.61
596	6-Nov-12	16	10	\$42.92	Yes	\$1,000.00	\$957.08
597	6-Nov-12	16	11	\$46.00	Yes	\$1,000.00	\$954.00
598	6-Nov-12	16	12	\$46.59	Yes	\$1,000.00	\$953.41
599	6-Nov-12	17	1	\$36.03	Yes	\$1,000.00	\$963.97
600	6-Nov-12	17	2	\$36.55	Yes	\$1,000.00	\$963.45
601	6-Nov-12	17	3	\$37.44	Yes	\$1,000.00	\$962.56
602	6-Nov-12	17	4	\$38.84	Yes	\$1,000.00	\$961.16
603	6-Nov-12	17	5	\$38.39	Yes	\$1,000.00	\$961.61
604	6-Nov-12	17	6	\$38.39	Yes	\$1,000.00	\$961.61
605	6-Nov-12	17	7	\$36.57	Yes	\$1,000.00	\$963.43
606	6-Nov-12	17	8	\$36.72	Yes	\$1,000.00	\$963.28
607	6-Nov-12	17	9	\$39.60	Yes	\$1,000.00	\$960.40
608	6-Nov-12	17	10	\$41.60	Yes	\$1,000.00	\$958.40
609	6-Nov-12	17	11	\$41.60	Yes	\$1,000.00	\$958.40
610	6-Nov-12	17	12	\$43.90	Yes	\$1,000.00	\$956.10
611	6-Nov-12	18	1	\$37.03	Yes	\$1,000.00	\$962.97
612	6-Nov-12	18	2	\$38.01	Yes	\$1,000.00	\$961.99
613	6-Nov-12	18	3	\$41.49	Yes	\$1,000.00	\$958.51
614	6-Nov-12	18	4	\$42.61	Yes	\$1,000.00	\$957.39
615	6-Nov-12	18	5	\$42.99	Yes	\$1,000.00	\$957.01
616	6-Nov-12	18	6	\$42.82	Yes	\$1,000.00	\$957.18
617	6-Nov-12	18	7	\$39.59	Yes	\$1,000.00	\$960.41
618	6-Nov-12	18	8	\$40.49	Yes	\$1,000.00	\$959.51
619	6-Nov-12	18	9	\$39.59	Yes	\$1,000.00	\$960.41
620	6-Nov-12	18	10	\$39.95	Yes	\$1,000.00	\$960.05
621	6-Nov-12	18	11	\$43.34	Yes	\$1,000.00	\$956.66
622	6-Nov-12	18	12	\$42.80	Yes	\$1,000.00	\$957.20
623	6-Nov-12	19	1	\$36.46	Yes	\$1,000.00	\$963.54
624	6-Nov-12	19	2	\$36.91	Yes	\$1,000.00	\$963.09
625	6-Nov-12	19	3	\$36.91	Yes	\$1,000.00	\$963.09
626	6-Nov-12	19	4	\$36.17	Yes	\$1,000.00	\$963.83

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
627	6-Nov-12	19	5	\$35.77	Yes	\$1,000.00	\$964.23
628	6-Nov-12	19	6	\$35.77	Yes	\$1,000.00	\$964.23
629	6-Nov-12	19	7	\$35.72	Yes	\$1,000.00	\$964.28
630	6-Nov-12	19	8	\$35.72	Yes	\$1,000.00	\$964.28
631	6-Nov-12	19	9	\$35.23	Yes	\$1,000.00	\$964.77
632	6-Nov-12	19	10	\$34.55	Yes	\$1,000.00	\$965.45
633	6-Nov-12	19	11	\$34.36	Yes	\$1,000.00	\$965.64
634	6-Nov-12	19	12	\$30.28	Yes	\$1,000.00	\$969.72
635	6-Nov-12	20	1	\$36.53	Yes	\$1,000.00	\$963.47
636	6-Nov-12	20	2	\$36.53	Yes	\$1,000.00	\$963.47
637	6-Nov-12	20	3	\$42.37	Yes	\$1,000.00	\$957.63
638	6-Nov-12	20	4	\$38.35	Yes	\$1,000.00	\$961.65
639	6-Nov-12	20	5	\$39.48	Yes	\$1,000.00	\$960.52
640	6-Nov-12	20	6	\$39.48	Yes	\$1,000.00	\$960.52
641	6-Nov-12	20	7	\$41.81	Yes	\$1,000.00	\$958.19
642	6-Nov-12	20	8	\$38.53	Yes	\$1,000.00	\$961.47
643	6-Nov-12	20	9	\$36.01	Yes	\$1,000.00	\$963.99
644	6-Nov-12	20	10	\$35.30	Yes	\$1,000.00	\$964.70
645	6-Nov-12	20	11	\$32.07	Yes	\$1,000.00	\$967.93
646	6-Nov-12	20	12	\$30.11	Yes	\$1,000.00	\$969.89
647	6-Nov-12	21	1	\$42.52	Yes	\$1,000.00	\$957.48
648	6-Nov-12	21	2	\$40.44	Yes	\$1,000.00	\$959.56
649	6-Nov-12	21	3	\$42.83	Yes	\$1,000.00	\$957.17
650	6-Nov-12	21	4	\$42.49	Yes	\$1,000.00	\$957.51
651	6-Nov-12	21	5	\$42.51	Yes	\$1,000.00	\$957.49
652	6-Nov-12	21	6	\$42.30	Yes	\$1,000.00	\$957.70
653	6-Nov-12	21	7	\$35.92	Yes	\$1,000.00	\$964.08
654	6-Nov-12	21	8	\$35.04	Yes	\$1,000.00	\$964.96
655	6-Nov-12	21	9	\$31.52	Yes	\$1,000.00	\$968.48
656	6-Nov-12	21	10	\$30.12	Yes	\$1,000.00	\$969.88
657	6-Nov-12	21	11	\$30.12	Yes	\$1,000.00	\$969.88
658	6-Nov-12	21	12	\$28.92	Yes	\$1,000.00	\$971.08
659	6-Nov-12	22	1	\$35.22	Yes	\$1,000.00	\$964.78
660	6-Nov-12	22	2	\$33.16	Yes	\$1,000.00	\$966.84
661	6-Nov-12	22	3	\$35.22	Yes	\$1,000.00	\$964.78
662	6-Nov-12	22	4	\$35.29	Yes	\$1,000.00	\$964.71
663	6-Nov-12	22	5	\$34.94	Yes	\$1,000.00	\$965.06
664	6-Nov-12	22	6	\$35.29	Yes	\$1,000.00	\$964.71
665	6-Nov-12	22	7	\$34.93	Yes	\$1,000.00	\$965.07
666	6-Nov-12	22	8	\$28.79	Yes	\$1,000.00	\$971.21
667	6-Nov-12	22	9	\$28.37	Yes	\$1,000.00	\$971.63
668	6-Nov-12	22	10	\$27.17	Yes	\$1,000.00	\$972.83
669	6-Nov-12	22	11	\$26.89	Yes	\$1,000.00	\$973.11
670	6-Nov-12	22	12	\$24.91	Yes	\$1,000.00	\$975.09
671	6-Nov-12	23	1	\$27.96	Yes	\$1,000.00	\$972.04

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
672	6-Nov-12	23	2	\$27.98	Yes	\$1,000.00	\$972.02
673	6-Nov-12	23	3	(\$17.53)	Yes	\$1,000.00	\$1,017.53
674	6-Nov-12	23	4	\$32.38	Yes	\$1,000.00	\$967.62
675	6-Nov-12	23	5	\$32.16	Yes	\$1,000.00	\$967.84
676	6-Nov-12	23	6	\$29.01	Yes	\$1,000.00	\$970.99
677	6-Nov-12	23	7	\$28.54	Yes	\$1,000.00	\$971.46
678	6-Nov-12	23	8	\$28.51	Yes	\$1,000.00	\$971.49
679	6-Nov-12	23	9	\$28.55	Yes	\$1,000.00	\$971.45
680	6-Nov-12	23	10	\$27.94	Yes	\$1,000.00	\$972.06
681	6-Nov-12	23	11	\$26.94	Yes	\$1,000.00	\$973.06
682	6-Nov-12	23	12	\$25.31	Yes	\$1,000.00	\$974.69
683	6-Nov-12	24	1	\$59.74	Yes	\$1,000.00	\$940.26
684	6-Nov-12	24	2	\$42.87	Yes	\$1,000.00	\$957.13
685	6-Nov-12	24	3	\$27.96	Yes	\$1,000.00	\$972.04
686	6-Nov-12	24	4	\$26.04	Yes	\$1,000.00	\$973.96
687	6-Nov-12	24	5	\$25.67	Yes	\$1,000.00	\$974.33
688	6-Nov-12	24	6	\$26.42	Yes	\$1,000.00	\$973.58
689	6-Nov-12	24	7	\$24.82	Yes	\$1,000.00	\$975.18
690	6-Nov-12	24	8	\$23.55	Yes	\$1,000.00	\$976.45
691	6-Nov-12	24	9	\$22.75	Yes	\$1,000.00	\$977.25
692	6-Nov-12	24	10	\$22.04	Yes	\$1,000.00	\$977.96
693	6-Nov-12	24	11	\$21.33	Yes	\$1,000.00	\$978.67
694	6-Nov-12	24	12	\$20.67	Yes	\$1,000.00	\$979.33
695	7-Nov-12	11	11	\$25.86	Yes	\$1,000.00	\$974.14
696	7-Nov-12	11	12	\$26.85	Yes	\$1,000.00	\$973.15
697	7-Nov-12	12	1	\$25.32	Yes	\$1,000.00	\$974.68
698	7-Nov-12	12	2	\$25.34	Yes	\$1,000.00	\$974.66
699	7-Nov-12	12	3	\$25.54	Yes	\$1,000.00	\$974.46
700	7-Nov-12	12	4	\$17.41	Yes	\$1,000.00	\$982.59
701	7-Nov-12	12	5	\$19.71	Yes	\$1,000.00	\$980.29
702	7-Nov-12	12	6	\$21.70	Yes	\$1,000.00	\$978.30
703	7-Nov-12	12	7	\$15.45	Yes	\$1,000.00	\$984.55
704	7-Nov-12	12	8	\$18.86	Yes	\$1,000.00	\$981.14
705	7-Nov-12	12	9	\$17.93	Yes	\$1,000.00	\$982.07
706	7-Nov-12	12	10	\$23.08	Yes	\$1,000.00	\$976.92
707	7-Nov-12	12	11	\$25.46	Yes	\$1,000.00	\$974.54
708	7-Nov-12	12	12	\$25.90	Yes	\$1,000.00	\$974.10
709	7-Nov-12	13	1	\$27.10	Yes	\$1,000.00	\$972.90
710	7-Nov-12	13	2	\$28.46	Yes	\$1,000.00	\$971.54
711	7-Nov-12	13	3	\$28.69	Yes	\$1,000.00	\$971.31
712	7-Nov-12	13	4	\$30.84	Yes	\$1,000.00	\$969.16
713	7-Nov-12	13	5	\$32.09	Yes	\$1,000.00	\$967.91
714	7-Nov-12	13	6	\$31.58	Yes	\$1,000.00	\$968.42
715	7-Nov-12	13	7	\$31.67	Yes	\$1,000.00	\$968.33
716	7-Nov-12	13	8	\$32.42	Yes	\$1,000.00	\$967.58

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
717	7-Nov-12	13	9	\$32.15	Yes	\$1,000.00	\$967.85
718	7-Nov-12	13	10	\$34.31	Yes	\$1,000.00	\$965.69
719	7-Nov-12	13	11	\$34.31	Yes	\$1,000.00	\$965.69
720	7-Nov-12	13	12	\$32.42	Yes	\$1,000.00	\$967.58
721	7-Nov-12	14	1	\$28.57	Yes	\$1,000.00	\$971.43
722	7-Nov-12	14	2	\$27.11	Yes	\$1,000.00	\$972.89
723	7-Nov-12	14	3	\$26.83	Yes	\$1,000.00	\$973.17
724	7-Nov-12	14	4	\$27.12	Yes	\$1,000.00	\$972.88
725	7-Nov-12	14	5	\$27.40	Yes	\$1,000.00	\$972.60
726	7-Nov-12	14	6	\$27.39	Yes	\$1,000.00	\$972.61
727	7-Nov-12	14	7	\$27.13	Yes	\$1,000.00	\$972.87
728	7-Nov-12	14	8	\$26.91	Yes	\$1,000.00	\$973.09
729	7-Nov-12	14	9	\$27.13	Yes	\$1,000.00	\$972.87
730	7-Nov-12	14	10	\$26.21	Yes	\$1,000.00	\$973.79
731	7-Nov-12	14	11	\$27.13	Yes	\$1,000.00	\$972.87
732	7-Nov-12	14	12	\$26.59	Yes	\$1,000.00	\$973.41
733	7-Nov-12	15	1	\$27.05	Yes	\$1,000.00	\$972.95
734	7-Nov-12	15	2	\$27.05	Yes	\$1,000.00	\$972.95
735	7-Nov-12	15	3	\$27.05	Yes	\$1,000.00	\$972.95
736	7-Nov-12	15	4	\$26.87	Yes	\$1,000.00	\$973.13
737	7-Nov-12	15	5	\$27.11	Yes	\$1,000.00	\$972.89
738	7-Nov-12	15	6	\$27.11	Yes	\$1,000.00	\$972.89
739	7-Nov-12	15	7	\$26.88	Yes	\$1,000.00	\$973.12
740	7-Nov-12	15	8	\$26.88	Yes	\$1,000.00	\$973.12
741	7-Nov-12	15	9	\$26.88	Yes	\$1,000.00	\$973.12
742	7-Nov-12	15	10	\$25.58	Yes	\$1,000.00	\$974.42
743	7-Nov-12	15	11	\$26.84	Yes	\$1,000.00	\$973.16
744	7-Nov-12	15	12	\$27.13	Yes	\$1,000.00	\$972.87
745	7-Nov-12	16	1	\$25.84	Yes	\$1,000.00	\$974.16
746	7-Nov-12	16	2	\$26.82	Yes	\$1,000.00	\$973.18
747	7-Nov-12	16	3	\$27.10	Yes	\$1,000.00	\$972.90
748	7-Nov-12	16	4	\$27.10	Yes	\$1,000.00	\$972.90
749	7-Nov-12	16	5	\$27.10	Yes	\$1,000.00	\$972.90
750	7-Nov-12	16	6	\$27.10	Yes	\$1,000.00	\$972.90
751	7-Nov-12	16	7	\$27.05	Yes	\$1,000.00	\$972.95
752	7-Nov-12	16	8	\$27.05	Yes	\$1,000.00	\$972.95
753	7-Nov-12	16	9	\$27.05	Yes	\$1,000.00	\$972.95
754	7-Nov-12	16	10	\$27.04	Yes	\$1,000.00	\$972.96
755	7-Nov-12	16	11	\$27.04	Yes	\$1,000.00	\$972.96
756	7-Nov-12	16	12	\$27.18	Yes	\$1,000.00	\$972.82
757	7-Nov-12	17	1	\$27.01	Yes	\$1,000.00	\$972.99
758	7-Nov-12	17	2	\$27.01	Yes	\$1,000.00	\$972.99
759	7-Nov-12	17	3	\$27.01	Yes	\$1,000.00	\$972.99
760	7-Nov-12	17	4	\$27.23	Yes	\$1,000.00	\$972.77
761	7-Nov-12	17	5	\$28.04	Yes	\$1,000.00	\$971.96

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
762	7-Nov-12	17	6	\$28.47	Yes	\$1,000.00	\$971.53
763	7-Nov-12	17	7	\$28.82	Yes	\$1,000.00	\$971.18
764	7-Nov-12	17	8	\$28.91	Yes	\$1,000.00	\$971.09
765	7-Nov-12	17	9	\$29.21	Yes	\$1,000.00	\$970.79
766	7-Nov-12	17	10	\$29.72	Yes	\$1,000.00	\$970.28
767	7-Nov-12	17	11	\$29.56	Yes	\$1,000.00	\$970.44
768	7-Nov-12	17	12	\$31.71	Yes	\$1,000.00	\$968.29
769	7-Nov-12	18	1	\$29.97	Yes	\$1,000.00	\$970.03
770	7-Nov-12	18	2	\$30.79	Yes	\$1,000.00	\$969.21
771	7-Nov-12	18	3	\$32.57	Yes	\$1,000.00	\$967.43
772	7-Nov-12	18	4	\$33.99	Yes	\$1,000.00	\$966.01
773	7-Nov-12	18	5	\$42.38	Yes	\$1,000.00	\$957.62
774	7-Nov-12	18	6	\$41.94	Yes	\$1,000.00	\$958.06
775	7-Nov-12	18	7	\$36.12	Yes	\$1,000.00	\$963.88
776	7-Nov-12	18	8	\$37.23	Yes	\$1,000.00	\$962.77
777	7-Nov-12	18	9	\$37.23	Yes	\$1,000.00	\$962.77
778	7-Nov-12	18	10	\$35.95	Yes	\$1,000.00	\$964.05
779	7-Nov-12	18	11	\$36.09	Yes	\$1,000.00	\$963.91
780	7-Nov-12	18	12	\$35.95	Yes	\$1,000.00	\$964.05
781	7-Nov-12	19	1	\$32.43	Yes	\$1,000.00	\$967.57
782	7-Nov-12	19	2	\$29.43	Yes	\$1,000.00	\$970.57
783	7-Nov-12	19	3	\$29.86	Yes	\$1,000.00	\$970.14
784	7-Nov-12	19	4	\$29.18	Yes	\$1,000.00	\$970.82
785	7-Nov-12	19	5	\$29.18	Yes	\$1,000.00	\$970.82
786	7-Nov-12	19	6	\$28.99	Yes	\$1,000.00	\$971.01
787	7-Nov-12	19	7	\$28.79	Yes	\$1,000.00	\$971.21
788	7-Nov-12	19	8	\$28.49	Yes	\$1,000.00	\$971.51
789	7-Nov-12	19	9	\$28.79	Yes	\$1,000.00	\$971.21
790	7-Nov-12	19	10	\$27.98	Yes	\$1,000.00	\$972.02
791	7-Nov-12	19	11	\$27.98	Yes	\$1,000.00	\$972.02
792	7-Nov-12	19	12	\$26.96	Yes	\$1,000.00	\$973.04
793	7-Nov-12	20	1	\$28.74	Yes	\$1,000.00	\$971.26
794	7-Nov-12	20	2	\$29.67	Yes	\$1,000.00	\$970.33
795	7-Nov-12	20	3	\$30.08	Yes	\$1,000.00	\$969.92
796	7-Nov-12	20	4	\$29.65	Yes	\$1,000.00	\$970.35
797	7-Nov-12	20	5	\$28.67	Yes	\$1,000.00	\$971.33
798	7-Nov-12	20	6	\$28.51	Yes	\$1,000.00	\$971.49
799	7-Nov-12	20	7	\$28.53	Yes	\$1,000.00	\$971.47
800	7-Nov-12	20	8	\$28.01	Yes	\$1,000.00	\$971.99
801	7-Nov-12	20	9	\$27.96	Yes	\$1,000.00	\$972.04
802	7-Nov-12	20	10	\$26.95	Yes	\$1,000.00	\$973.05
803	7-Nov-12	20	11	\$26.95	Yes	\$1,000.00	\$973.05
804	7-Nov-12	20	12	\$25.99	Yes	\$1,000.00	\$974.01
805	7-Nov-12	21	1	\$32.77	Yes	\$1,000.00	\$967.23
806	7-Nov-12	21	2	\$34.04	Yes	\$1,000.00	\$965.96

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
807	7-Nov-12	21	3	\$34.04	Yes	\$1,000.00	\$965.96
808	7-Nov-12	21	4	\$27.97	Yes	\$1,000.00	\$972.03
809	7-Nov-12	21	5	\$27.61	Yes	\$1,000.00	\$972.39
810	7-Nov-12	21	6	\$27.97	Yes	\$1,000.00	\$972.03
811	7-Nov-12	21	7	\$28.03	Yes	\$1,000.00	\$971.97
812	7-Nov-12	21	8	\$27.89	Yes	\$1,000.00	\$972.11
813	7-Nov-12	21	9	\$26.96	Yes	\$1,000.00	\$973.04
814	7-Nov-12	21	10	\$26.25	Yes	\$1,000.00	\$973.75
815	7-Nov-12	21	11	\$26.74	Yes	\$1,000.00	\$973.26
816	7-Nov-12	21	12	\$26.80	Yes	\$1,000.00	\$973.20
817	14-Nov-12	6	2	\$27.07	Yes	\$1,000.00	\$972.93
818	14-Nov-12	6	3	\$27.31	Yes	\$1,000.00	\$972.69
819	14-Nov-12	6	4	\$29.12	Yes	\$1,000.00	\$970.88
820	14-Nov-12	6	5	\$29.16	Yes	\$1,000.00	\$970.84
821	14-Nov-12	6	6	\$29.34	Yes	\$1,000.00	\$970.66
822	14-Nov-12	6	7	\$29.39	Yes	\$1,000.00	\$970.61
823	14-Nov-12	6	8	\$31.34	Yes	\$1,000.00	\$968.66
824	14-Nov-12	6	9	\$30.92	Yes	\$1,000.00	\$969.08
825	14-Nov-12	6	10	\$39.53	Yes	\$1,000.00	\$960.47
826	14-Nov-12	6	11	\$37.68	Yes	\$1,000.00	\$962.32
827	14-Nov-12	6	12	\$37.67	Yes	\$1,000.00	\$962.33
828	14-Nov-12	7	1	\$28.71	Yes	\$1,000.00	\$971.29
829	14-Nov-12	7	2	\$27.23	Yes	\$1,000.00	\$972.77
830	14-Nov-12	7	3	\$29.15	Yes	\$1,000.00	\$970.85
831	14-Nov-12	7	4	\$29.16	Yes	\$1,000.00	\$970.84
832	14-Nov-12	7	5	\$29.99	Yes	\$1,000.00	\$970.01
833	14-Nov-12	7	6	\$29.41	Yes	\$1,000.00	\$970.59
834	14-Nov-12	7	7	\$30.47	Yes	\$1,000.00	\$969.53
835	14-Nov-12	7	8	\$31.54	Yes	\$1,000.00	\$968.46
836	14-Nov-12	7	9	\$41.54	Yes	\$1,000.00	\$958.46
837	14-Nov-12	7	10	\$43.90	Yes	\$1,000.00	\$956.10
838	14-Nov-12	7	11	\$46.04	Yes	\$1,000.00	\$953.96
839	14-Nov-12	7	12	\$47.77	Yes	\$1,000.00	\$952.23
840	14-Nov-12	8	1	\$33.17	No	(\$30.00)	(\$63.17)
841	14-Nov-12	8	2	\$37.36	No	(\$30.00)	(\$67.36)
842	14-Nov-12	8	3	\$37.36	No	(\$30.00)	(\$67.36)
843	14-Nov-12	8	4	\$41.03	No	(\$30.00)	(\$71.03)
844	14-Nov-12	8	5	\$41.36	No	(\$30.00)	(\$71.36)
845	14-Nov-12	8	6	\$41.36	No	(\$30.00)	(\$71.36)
846	14-Nov-12	8	7	\$37.74	No	(\$30.00)	(\$67.74)
847	14-Nov-12	8	8	\$37.74	No	(\$30.00)	(\$67.74)
848	14-Nov-12	8	9	\$33.29	No	(\$30.00)	(\$63.29)
849	14-Nov-12	8	10	\$35.05	No	(\$30.00)	(\$65.05)
850	14-Nov-12	8	11	\$33.26	No	(\$30.00)	(\$63.26)
851	14-Nov-12	8	12	\$32.23	No	(\$30.00)	(\$62.23)

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
852	14-Nov-12	9	1	\$34.99	Yes	\$1,000.00	\$965.01
853	14-Nov-12	9	2	\$31.72	Yes	\$1,000.00	\$968.28
854	14-Nov-12	9	3	\$31.72	Yes	\$1,000.00	\$968.28
855	14-Nov-12	9	4	\$35.05	Yes	\$1,000.00	\$964.95
856	14-Nov-12	9	5	\$35.05	Yes	\$1,000.00	\$964.95
857	14-Nov-12	9	6	\$39.69	Yes	\$1,000.00	\$960.31
858	14-Nov-12	9	7	\$39.06	Yes	\$1,000.00	\$960.94
859	14-Nov-12	9	8	\$37.77	Yes	\$1,000.00	\$962.23
860	14-Nov-12	9	9	\$37.65	Yes	\$1,000.00	\$962.35
861	14-Nov-12	9	10	\$37.95	Yes	\$1,000.00	\$962.05
862	14-Nov-12	9	11	\$40.03	Yes	\$1,000.00	\$959.97
863	14-Nov-12	9	12	\$37.85	Yes	\$1,000.00	\$962.15
864	14-Nov-12	10	1	\$33.37	Yes	\$1,000.00	\$966.63
865	14-Nov-12	10	2	\$35.16	Yes	\$1,000.00	\$964.84
866	14-Nov-12	10	3	\$35.16	Yes	\$1,000.00	\$964.84
867	14-Nov-12	10	4	\$35.13	Yes	\$1,000.00	\$964.87
868	14-Nov-12	10	5	\$37.49	Yes	\$1,000.00	\$962.51
869	14-Nov-12	10	6	\$35.13	Yes	\$1,000.00	\$964.87
870	14-Nov-12	10	7	\$33.55	Yes	\$1,000.00	\$966.45
871	14-Nov-12	10	8	\$35.24	Yes	\$1,000.00	\$964.76
872	14-Nov-12	10	9	\$35.24	Yes	\$1,000.00	\$964.76
873	14-Nov-12	10	10	\$33.60	Yes	\$1,000.00	\$966.40
874	14-Nov-12	10	11	\$37.81	Yes	\$1,000.00	\$962.19
875	14-Nov-12	10	12	\$157.86	Yes	\$1,000.00	\$842.14
876	14-Nov-12	11	1	\$65.33	Yes	\$1,000.00	\$934.67
877	14-Nov-12	11	2	\$35.28	Yes	\$1,000.00	\$964.72
878	14-Nov-12	11	3	\$34.57	Yes	\$1,000.00	\$965.43
879	14-Nov-12	11	4	\$34.70	Yes	\$1,000.00	\$965.30
880	14-Nov-12	11	5	\$36.04	Yes	\$1,000.00	\$963.96
881	14-Nov-12	11	6	\$35.94	Yes	\$1,000.00	\$964.06
882	14-Nov-12	11	7	\$33.87	Yes	\$1,000.00	\$966.13
883	14-Nov-12	11	8	\$33.87	Yes	\$1,000.00	\$966.13
884	14-Nov-12	11	9	\$33.87	Yes	\$1,000.00	\$966.13
885	14-Nov-12	11	10	\$34.35	Yes	\$1,000.00	\$965.65
886	14-Nov-12	11	11	\$34.35	Yes	\$1,000.00	\$965.65
887	14-Nov-12	11	12	\$34.55	Yes	\$1,000.00	\$965.45
888	14-Nov-12	12	1	\$34.61	Yes	\$1,000.00	\$965.39
889	14-Nov-12	12	2	\$35.87	Yes	\$1,000.00	\$964.13
890	14-Nov-12	12	3	\$34.62	Yes	\$1,000.00	\$965.38
891	14-Nov-12	12	4	\$155.75	Yes	\$1,000.00	\$844.25
892	14-Nov-12	12	5	\$151.53	Yes	\$1,000.00	\$848.47
893	14-Nov-12	12	6	\$155.07	Yes	\$1,000.00	\$844.93
894	14-Nov-12	12	7	\$35.93	Yes	\$1,000.00	\$964.07
895	14-Nov-12	12	8	\$47.18	Yes	\$1,000.00	\$952.82
896	14-Nov-12	12	9	\$34.59	Yes	\$1,000.00	\$965.41

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
897	14-Nov-12	12	10	\$35.31	Yes	\$1,000.00	\$964.69
898	14-Nov-12	12	11	\$35.31	Yes	\$1,000.00	\$964.69
899	14-Nov-12	12	12	\$35.38	Yes	\$1,000.00	\$964.62
900	14-Nov-12	13	1	\$35.38	Yes	\$1,000.00	\$964.62
901	14-Nov-12	13	2	\$34.63	Yes	\$1,000.00	\$965.37
902	14-Nov-12	13	3	\$34.79	Yes	\$1,000.00	\$965.21
903	14-Nov-12	13	4	\$31.58	Yes	\$1,000.00	\$968.42
904	14-Nov-12	13	5	\$31.58	Yes	\$1,000.00	\$968.42
905	14-Nov-12	13	6	\$31.58	Yes	\$1,000.00	\$968.42
906	14-Nov-12	13	7	\$31.59	Yes	\$1,000.00	\$968.41
907	14-Nov-12	13	8	\$34.08	Yes	\$1,000.00	\$965.92
908	14-Nov-12	13	9	\$36.71	Yes	\$1,000.00	\$963.29
909	14-Nov-12	13	10	\$35.41	Yes	\$1,000.00	\$964.59
910	14-Nov-12	13	11	\$35.35	Yes	\$1,000.00	\$964.65
911	14-Nov-12	13	12	\$35.35	Yes	\$1,000.00	\$964.65
912	14-Nov-12	14	1	\$36.09	Yes	\$1,000.00	\$963.91
913	14-Nov-12	14	2	\$36.09	Yes	\$1,000.00	\$963.91
914	14-Nov-12	14	3	\$36.09	Yes	\$1,000.00	\$963.91
915	14-Nov-12	14	4	\$41.73	Yes	\$1,000.00	\$958.27
916	14-Nov-12	14	5	\$40.05	Yes	\$1,000.00	\$959.95
917	14-Nov-12	14	6	\$175.31	Yes	\$1,000.00	\$824.69
918	14-Nov-12	14	7	\$146.90	Yes	\$1,000.00	\$853.10
919	14-Nov-12	14	8	\$143.92	Yes	\$1,000.00	\$856.08
920	14-Nov-12	14	9	\$35.58	Yes	\$1,000.00	\$964.42
921	14-Nov-12	14	10	\$35.58	Yes	\$1,000.00	\$964.42
922	14-Nov-12	14	11	\$35.58	Yes	\$1,000.00	\$964.42
923	14-Nov-12	14	12	\$35.58	Yes	\$1,000.00	\$964.42
924	14-Nov-12	15	1	\$22.98	Yes	\$1,000.00	\$977.02
925	14-Nov-12	15	2	\$22.98	Yes	\$1,000.00	\$977.02
926	14-Nov-12	15	3	\$29.54	Yes	\$1,000.00	\$970.46
927	14-Nov-12	15	4	\$147.49	Yes	\$1,000.00	\$852.51
928	14-Nov-12	15	5	\$150.84	Yes	\$1,000.00	\$849.16
929	14-Nov-12	15	6	\$181.78	Yes	\$1,000.00	\$818.22
930	14-Nov-12	15	7	\$28.56	Yes	\$1,000.00	\$971.44
931	14-Nov-12	15	8	\$29.56	Yes	\$1,000.00	\$970.44
932	14-Nov-12	15	9	\$29.56	Yes	\$1,000.00	\$970.44
933	14-Nov-12	15	10	\$29.44	Yes	\$1,000.00	\$970.56
934	14-Nov-12	15	11	\$29.44	Yes	\$1,000.00	\$970.56
935	14-Nov-12	15	12	\$29.44	Yes	\$1,000.00	\$970.56
936	14-Nov-12	16	1	\$31.01	Yes	\$1,000.00	\$968.99
937	14-Nov-12	16	2	\$43.27	Yes	\$1,000.00	\$956.73
938	14-Nov-12	16	3	\$41.44	Yes	\$1,000.00	\$958.56
939	14-Nov-12	16	4	\$45.11	Yes	\$1,000.00	\$954.89
940	14-Nov-12	16	5	\$44.43	Yes	\$1,000.00	\$955.57
941	14-Nov-12	16	6	\$41.38	Yes	\$1,000.00	\$958.62

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
942	14-Nov-12	16	7	\$47.51	Yes	\$1,000.00	\$952.49
943	14-Nov-12	16	8	\$45.39	Yes	\$1,000.00	\$954.61
944	14-Nov-12	16	9	\$46.85	Yes	\$1,000.00	\$953.15
945	14-Nov-12	16	10	\$46.67	Yes	\$1,000.00	\$953.33
946	14-Nov-12	16	11	\$46.67	Yes	\$1,000.00	\$953.33
947	14-Nov-12	16	12	\$47.44	Yes	\$1,000.00	\$952.56
948	14-Nov-12	17	1	\$29.18	Yes	\$1,000.00	\$970.82
949	14-Nov-12	17	2	\$29.18	Yes	\$1,000.00	\$970.82
950	14-Nov-12	17	3	\$29.18	Yes	\$1,000.00	\$970.82
951	14-Nov-12	17	4	\$28.47	Yes	\$1,000.00	\$971.53
952	14-Nov-12	17	5	\$29.19	Yes	\$1,000.00	\$970.81
953	14-Nov-12	17	6	\$29.33	Yes	\$1,000.00	\$970.67
954	14-Nov-12	17	7	\$29.45	Yes	\$1,000.00	\$970.55
955	14-Nov-12	17	8	\$29.52	Yes	\$1,000.00	\$970.48
956	14-Nov-12	17	9	\$35.33	Yes	\$1,000.00	\$964.67
957	14-Nov-12	17	10	\$34.43	Yes	\$1,000.00	\$965.57
958	14-Nov-12	17	11	\$39.59	Yes	\$1,000.00	\$960.41
959	14-Nov-12	17	12	\$45.30	Yes	\$1,000.00	\$954.70
960	14-Nov-12	18	1	\$32.43	Yes	\$1,000.00	\$967.57
961	14-Nov-12	18	2	\$36.30	Yes	\$1,000.00	\$963.70
962	14-Nov-12	18	3	\$38.79	Yes	\$1,000.00	\$961.21
963	14-Nov-12	18	4	\$42.84	Yes	\$1,000.00	\$957.16
964	14-Nov-12	18	5	\$45.04	Yes	\$1,000.00	\$954.96
965	14-Nov-12	18	6	\$48.92	Yes	\$1,000.00	\$951.08
966	14-Nov-12	18	7	\$50.90	Yes	\$1,000.00	\$949.10
967	14-Nov-12	18	8	\$50.93	Yes	\$1,000.00	\$949.07
968	14-Nov-12	18	9	\$50.95	Yes	\$1,000.00	\$949.05
969	14-Nov-12	18	10	\$50.20	Yes	\$1,000.00	\$949.80
970	14-Nov-12	18	11	\$50.22	Yes	\$1,000.00	\$949.78
971	14-Nov-12	18	12	\$48.57	Yes	\$1,000.00	\$951.43
972	14-Nov-12	19	1	\$47.43	Yes	\$1,000.00	\$952.57
973	14-Nov-12	19	2	\$43.33	Yes	\$1,000.00	\$956.67
974	14-Nov-12	19	3	\$41.73	Yes	\$1,000.00	\$958.27
975	14-Nov-12	19	4	\$39.57	Yes	\$1,000.00	\$960.43
976	14-Nov-12	19	5	\$39.58	Yes	\$1,000.00	\$960.42
977	14-Nov-12	19	6	\$41.29	Yes	\$1,000.00	\$958.71
978	14-Nov-12	19	7	\$40.28	Yes	\$1,000.00	\$959.72
979	14-Nov-12	19	8	\$41.29	Yes	\$1,000.00	\$958.71
980	14-Nov-12	19	9	\$41.29	Yes	\$1,000.00	\$958.71
981	14-Nov-12	19	10	\$38.89	Yes	\$1,000.00	\$961.11
982	14-Nov-12	19	11	\$38.13	Yes	\$1,000.00	\$961.87
983	14-Nov-12	19	12	\$38.03	Yes	\$1,000.00	\$961.97
984	14-Nov-12	20	1	\$47.63	Yes	\$1,000.00	\$952.37
985	14-Nov-12	20	2	\$47.63	Yes	\$1,000.00	\$952.37
986	14-Nov-12	20	3	\$48.99	Yes	\$1,000.00	\$951.01

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
987	14-Nov-12	20	4	\$44.29	Yes	\$1,000.00	\$955.71
988	14-Nov-12	20	5	\$41.73	Yes	\$1,000.00	\$958.27
989	14-Nov-12	20	6	\$41.73	Yes	\$1,000.00	\$958.27
990	14-Nov-12	20	7	\$41.67	Yes	\$1,000.00	\$958.33
991	14-Nov-12	20	8	\$41.57	Yes	\$1,000.00	\$958.43
992	14-Nov-12	20	9	\$41.67	Yes	\$1,000.00	\$958.33
993	14-Nov-12	20	10	\$46.41	Yes	\$1,000.00	\$953.59
994	14-Nov-12	20	11	\$43.89	Yes	\$1,000.00	\$956.11
995	14-Nov-12	20	12	\$41.29	Yes	\$1,000.00	\$958.71
996	16-Nov-12	5	2	\$27.90	Yes	\$1,000.00	\$972.10
997	16-Nov-12	5	3	\$27.90	Yes	\$1,000.00	\$972.10
998	16-Nov-12	5	4	\$27.67	Yes	\$1,000.00	\$972.33
999	16-Nov-12	5	5	\$27.74	Yes	\$1,000.00	\$972.26
1000	16-Nov-12	5	6	\$27.67	Yes	\$1,000.00	\$972.33
1001	16-Nov-12	5	7	\$27.71	Yes	\$1,000.00	\$972.29
1002	16-Nov-12	5	8	\$27.71	Yes	\$1,000.00	\$972.29
1003	16-Nov-12	5	9	\$27.71	Yes	\$1,000.00	\$972.29
1004	16-Nov-12	5	10	\$28.36	Yes	\$1,000.00	\$971.64
1005	16-Nov-12	5	11	\$27.92	Yes	\$1,000.00	\$972.08
1006	16-Nov-12	5	12	\$27.72	Yes	\$1,000.00	\$972.28
1007	16-Nov-12	6	1	\$27.43	Yes	\$1,000.00	\$972.57
1008	16-Nov-12	6	2	\$27.43	Yes	\$1,000.00	\$972.57
1009	16-Nov-12	6	3	\$27.52	Yes	\$1,000.00	\$972.48
1010	16-Nov-12	6	4	\$27.67	Yes	\$1,000.00	\$972.33
1011	16-Nov-12	6	5	\$27.71	Yes	\$1,000.00	\$972.29
1012	16-Nov-12	6	6	\$28.68	Yes	\$1,000.00	\$971.32
1013	16-Nov-12	6	7	\$33.12	Yes	\$1,000.00	\$966.88
1014	16-Nov-12	6	8	\$34.66	Yes	\$1,000.00	\$965.34
1015	16-Nov-12	6	9	\$40.02	Yes	\$1,000.00	\$959.98
1016	16-Nov-12	6	10	\$38.24	Yes	\$1,000.00	\$961.76
1017	16-Nov-12	6	11	\$38.82	Yes	\$1,000.00	\$961.18
1018	16-Nov-12	6	12	\$45.92	Yes	\$1,000.00	\$954.08
1019	16-Nov-12	7	1	\$28.43	Yes	\$1,000.00	\$971.57
1020	16-Nov-12	7	2	\$27.81	Yes	\$1,000.00	\$972.19
1021	16-Nov-12	7	3	\$32.50	Yes	\$1,000.00	\$967.50
1022	16-Nov-12	7	4	\$29.00	Yes	\$1,000.00	\$971.00
1023	16-Nov-12	7	5	\$34.83	Yes	\$1,000.00	\$965.17
1024	16-Nov-12	7	6	\$44.19	Yes	\$1,000.00	\$955.81
1025	16-Nov-12	7	7	\$47.09	Yes	\$1,000.00	\$952.91
1026	16-Nov-12	7	8	\$47.09	Yes	\$1,000.00	\$952.91
1027	16-Nov-12	7	9	\$45.29	Yes	\$1,000.00	\$954.71
1028	16-Nov-12	7	10	\$37.44	Yes	\$1,000.00	\$962.56
1029	16-Nov-12	7	11	\$37.93	Yes	\$1,000.00	\$962.07
1030	16-Nov-12	7	12	\$35.22	Yes	\$1,000.00	\$964.78
1031	16-Nov-12	8	1	\$29.18	No	\$1,000.00	\$970.82

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1032	16-Nov-12	8	2	\$29.18	No	\$1,000.00	\$970.82
1033	16-Nov-12	8	3	\$30.49	No	\$1,000.00	\$969.51
1034	16-Nov-12	8	4	\$32.34	No	\$1,000.00	\$967.66
1035	16-Nov-12	8	5	\$32.34	No	\$1,000.00	\$967.66
1036	16-Nov-12	8	6	\$32.35	No	\$1,000.00	\$967.65
1037	16-Nov-12	8	7	\$33.05	No	\$1,000.00	\$966.95
1038	16-Nov-12	8	8	\$35.66	No	\$1,000.00	\$964.34
1039	16-Nov-12	8	9	\$35.66	No	\$1,000.00	\$964.34
1040	16-Nov-12	8	10	\$30.11	No	\$1,000.00	\$969.89
1041	16-Nov-12	8	11	\$32.97	No	\$1,000.00	\$967.03
1042	16-Nov-12	8	12	\$34.95	No	\$1,000.00	\$965.05
1043	16-Nov-12	9	1	\$29.50	No	\$1,000.00	\$970.50
1044	16-Nov-12	9	2	\$31.32	No	\$1,000.00	\$968.68
1045	16-Nov-12	9	3	\$34.93	No	\$1,000.00	\$965.07
1046	16-Nov-12	9	4	\$35.61	No	\$1,000.00	\$964.39
1047	16-Nov-12	9	5	\$34.68	No	\$1,000.00	\$965.32
1048	16-Nov-12	9	6	\$32.94	No	\$1,000.00	\$967.06
1049	16-Nov-12	9	7	\$33.09	No	\$1,000.00	\$966.91
1050	16-Nov-12	9	8	\$33.09	No	\$1,000.00	\$966.91
1051	16-Nov-12	9	9	\$33.09	No	\$1,000.00	\$966.91
1052	16-Nov-12	9	10	\$34.54	No	\$1,000.00	\$965.46
1053	16-Nov-12	9	11	\$32.84	No	\$1,000.00	\$967.16
1054	16-Nov-12	9	12	\$32.84	No	\$1,000.00	\$967.16
1055	16-Nov-12	10	1	\$29.09	No	\$1,000.00	\$970.91
1056	16-Nov-12	10	2	\$29.23	No	\$1,000.00	\$970.77
1057	16-Nov-12	10	3	\$28.65	No	\$1,000.00	\$971.35
1058	16-Nov-12	10	4	\$30.18	No	\$1,000.00	\$969.82
1059	16-Nov-12	10	5	\$29.11	No	\$1,000.00	\$970.89
1060	16-Nov-12	10	6	\$32.98	No	\$1,000.00	\$967.02
1061	16-Nov-12	10	7	\$31.25	No	\$1,000.00	\$968.75
1062	16-Nov-12	10	8	\$28.58	No	\$1,000.00	\$971.42
1063	16-Nov-12	10	9	\$27.12	No	\$1,000.00	\$972.88
1064	16-Nov-12	10	10	\$29.13	No	\$1,000.00	\$970.87
1065	16-Nov-12	10	11	\$29.14	No	\$1,000.00	\$970.86
1066	16-Nov-12	10	12	\$24.82	No	\$1,000.00	\$975.18
1067	16-Nov-12	11	1	\$28.67	No	(\$30.00)	(\$58.67)
1068	16-Nov-12	11	2	\$29.83	No	(\$30.00)	(\$59.83)
1069	16-Nov-12	11	3	\$336.74	No	(\$30.00)	(\$366.74)
1070	16-Nov-12	11	4	\$47.05	No	(\$30.00)	(\$77.05)
1071	16-Nov-12	11	5	\$45.24	No	(\$30.00)	(\$75.24)
1072	16-Nov-12	11	6	\$51.28	No	(\$30.00)	(\$81.28)
1073	16-Nov-12	11	7	\$36.72	No	(\$30.00)	(\$66.72)
1074	16-Nov-12	11	8	\$41.47	No	(\$30.00)	(\$71.47)
1075	16-Nov-12	11	9	\$34.53	No	(\$30.00)	(\$64.53)
1076	16-Nov-12	11	10	\$6.36	No	(\$30.00)	(\$36.36)

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1077	16-Nov-12	11	11	\$35.56	No	(\$30.00)	(\$65.56)
1078	16-Nov-12	11	12	\$37.27	No	(\$30.00)	(\$67.27)
1079	16-Nov-12	12	1	\$41.55	No	\$1,000.00	\$958.45
1080	16-Nov-12	12	2	\$44.08	No	\$1,000.00	\$955.92
1081	16-Nov-12	12	3	\$43.87	No	\$1,000.00	\$956.13
1082	16-Nov-12	12	4	\$36.41	No	\$1,000.00	\$963.59
1083	16-Nov-12	12	5	\$35.59	No	\$1,000.00	\$964.41
1084	16-Nov-12	12	6	\$38.54	No	\$1,000.00	\$961.46
1085	16-Nov-12	12	7	\$43.25	No	\$1,000.00	\$956.75
1086	16-Nov-12	12	8	\$42.33	No	\$1,000.00	\$957.67
1087	16-Nov-12	12	9	\$43.25	No	\$1,000.00	\$956.75
1088	16-Nov-12	12	10	\$44.33	No	\$1,000.00	\$955.67
1089	16-Nov-12	12	11	\$44.30	No	\$1,000.00	\$955.70
1090	16-Nov-12	12	12	\$46.10	No	\$1,000.00	\$953.90
1091	16-Nov-12	16	1	\$39.08	Yes	\$1,000.00	\$960.92
1092	16-Nov-12	16	2	\$38.95	Yes	\$1,000.00	\$961.05
1093	16-Nov-12	16	3	\$38.70	Yes	\$1,000.00	\$961.30
1094	16-Nov-12	16	4	\$40.66	Yes	\$1,000.00	\$959.34
1095	16-Nov-12	16	5	\$44.25	Yes	\$1,000.00	\$955.75
1096	16-Nov-12	16	6	\$46.30	Yes	\$1,000.00	\$953.70
1097	16-Nov-12	16	7	\$39.64	Yes	\$1,000.00	\$960.36
1098	16-Nov-12	16	8	\$39.53	Yes	\$1,000.00	\$960.47
1099	16-Nov-12	16	9	\$43.46	Yes	\$1,000.00	\$956.54
1100	16-Nov-12	16	10	\$43.61	Yes	\$1,000.00	\$956.39
1101	16-Nov-12	16	11	\$41.48	Yes	\$1,000.00	\$958.52
1102	16-Nov-12	16	12	\$47.88	Yes	\$1,000.00	\$952.12
1103	16-Nov-12	17	1	\$36.95	No	\$1,000.00	\$963.05
1104	16-Nov-12	17	2	\$33.20	No	\$1,000.00	\$966.80
1105	16-Nov-12	17	3	\$35.92	No	\$1,000.00	\$964.08
1106	16-Nov-12	17	4	\$35.49	No	\$1,000.00	\$964.51
1107	16-Nov-12	17	5	\$35.93	No	\$1,000.00	\$964.07
1108	16-Nov-12	17	6	\$38.50	No	\$1,000.00	\$961.50
1109	16-Nov-12	17	7	\$32.52	No	\$1,000.00	\$967.48
1110	16-Nov-12	17	8	\$35.79	No	\$1,000.00	\$964.21
1111	16-Nov-12	17	9	\$48.22	No	\$1,000.00	\$951.78
1112	16-Nov-12	17	10	\$55.88	No	\$1,000.00	\$944.12
1113	16-Nov-12	17	11	\$53.93	No	\$1,000.00	\$946.07
1114	16-Nov-12	17	12	\$52.40	No	\$1,000.00	\$947.60
1115	16-Nov-12	18	1	\$49.85	No	(\$30.00)	(\$79.85)
1116	16-Nov-12	18	2	\$38.35	No	(\$30.00)	(\$68.35)
1117	16-Nov-12	18	3	\$37.39	No	(\$30.00)	(\$67.39)
1118	16-Nov-12	18	4	\$44.74	No	(\$30.00)	(\$74.74)
1119	16-Nov-12	18	5	\$43.30	No	(\$30.00)	(\$73.30)
1120	16-Nov-12	18	6	\$67.03	No	(\$30.00)	(\$97.03)
1121	16-Nov-12	18	7	\$71.52	No	(\$30.00)	(\$101.52)

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1122	16-Nov-12	18	8	\$67.12	No	(\$30.00)	(\$97.12)
1123	16-Nov-12	18	9	\$49.87	No	(\$30.00)	(\$79.87)
1124	16-Nov-12	18	10	\$45.38	No	(\$30.00)	(\$75.38)
1125	16-Nov-12	18	11	\$43.31	No	(\$30.00)	(\$73.31)
1126	16-Nov-12	18	12	\$45.82	No	(\$30.00)	(\$75.82)
1127	16-Nov-12	19	1	\$44.71	No	\$1,000.00	\$955.29
1128	16-Nov-12	19	2	\$42.92	No	\$1,000.00	\$957.08
1129	16-Nov-12	19	3	\$36.97	No	\$1,000.00	\$963.03
1130	16-Nov-12	19	4	\$36.19	No	\$1,000.00	\$963.81
1131	16-Nov-12	19	5	\$36.19	No	\$1,000.00	\$963.81
1132	16-Nov-12	19	6	\$36.19	No	\$1,000.00	\$963.81
1133	16-Nov-12	19	7	\$33.45	No	\$1,000.00	\$966.55
1134	16-Nov-12	19	8	\$33.23	No	\$1,000.00	\$966.77
1135	16-Nov-12	19	9	\$33.23	No	\$1,000.00	\$966.77
1136	16-Nov-12	19	10	\$33.85	No	\$1,000.00	\$966.15
1137	16-Nov-12	19	11	\$33.85	No	\$1,000.00	\$966.15
1138	16-Nov-12	19	12	\$33.85	No	\$1,000.00	\$966.15
1139	16-Nov-12	20	1	\$55.41	No	\$1,000.00	\$944.59
1140	16-Nov-12	20	2	\$63.43	No	\$1,000.00	\$936.57
1141	16-Nov-12	20	3	\$63.43	No	\$1,000.00	\$936.57
1142	16-Nov-12	20	4	\$63.46	No	\$1,000.00	\$936.54
1143	16-Nov-12	20	5	\$63.46	No	\$1,000.00	\$936.54
1144	16-Nov-12	20	6	\$59.42	No	\$1,000.00	\$940.58
1145	16-Nov-12	20	7	\$47.01	No	\$1,000.00	\$952.99
1146	16-Nov-12	20	8	\$36.90	No	\$1,000.00	\$963.10
1147	16-Nov-12	20	9	\$36.90	No	\$1,000.00	\$963.10
1148	16-Nov-12	20	10	\$30.45	No	\$1,000.00	\$969.55
1149	16-Nov-12	20	11	\$39.05	No	\$1,000.00	\$960.95
1150	16-Nov-12	20	12	\$36.01	No	\$1,000.00	\$963.99
1151	16-Nov-12	21	1	\$48.82	No	\$1,000.00	\$951.18
1152	16-Nov-12	21	2	\$45.74	No	\$1,000.00	\$954.26
1153	16-Nov-12	21	3	\$44.49	No	\$1,000.00	\$955.51
1154	16-Nov-12	21	4	\$44.44	No	\$1,000.00	\$955.56
1155	16-Nov-12	21	5	\$43.83	No	\$1,000.00	\$956.17
1156	16-Nov-12	21	6	\$45.12	No	\$1,000.00	\$954.88
1157	16-Nov-12	21	7	\$45.26	No	\$1,000.00	\$954.74
1158	16-Nov-12	21	8	\$45.28	No	\$1,000.00	\$954.72
1159	16-Nov-12	21	9	\$39.57	No	\$1,000.00	\$960.43
1160	16-Nov-12	21	10	\$40.90	No	\$1,000.00	\$959.10
1161	16-Nov-12	21	11	\$39.71	No	\$1,000.00	\$960.29
1162	16-Nov-12	21	12	\$39.71	No	\$1,000.00	\$960.29
1163	16-Nov-12	22	1	\$49.45	No	\$1,000.00	\$950.55
1164	16-Nov-12	22	2	\$39.66	No	\$1,000.00	\$960.34
1165	16-Nov-12	22	3	\$32.34	No	\$1,000.00	\$967.66
1166	16-Nov-12	22	4	\$32.32	No	\$1,000.00	\$967.68

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1167	16-Nov-12	22	5	\$30.96	No	\$1,000.00	\$969.04
1168	16-Nov-12	22	6	\$29.32	No	\$1,000.00	\$970.68
1169	16-Nov-12	22	7	\$30.96	No	\$1,000.00	\$969.04
1170	16-Nov-12	22	8	\$29.09	No	\$1,000.00	\$970.91
1171	16-Nov-12	22	9	\$29.09	No	\$1,000.00	\$970.91
1172	16-Nov-12	22	10	\$26.92	No	\$1,000.00	\$973.08
1173	16-Nov-12	22	11	\$27.74	No	\$1,000.00	\$972.26
1174	16-Nov-12	22	12	\$29.12	No	\$1,000.00	\$970.88
1175	17-Nov-12	7	1	\$19.63	Yes	\$1,000.00	\$980.37
1176	17-Nov-12	7	2	\$19.63	Yes	\$1,000.00	\$980.37
1177	17-Nov-12	7	3	\$25.57	Yes	\$1,000.00	\$974.43
1178	17-Nov-12	7	4	\$24.93	Yes	\$1,000.00	\$975.07
1179	17-Nov-12	7	5	\$25.44	Yes	\$1,000.00	\$974.56
1180	17-Nov-12	7	6	\$25.70	Yes	\$1,000.00	\$974.30
1181	17-Nov-12	7	7	\$25.31	Yes	\$1,000.00	\$974.69
1182	17-Nov-12	7	8	\$25.31	Yes	\$1,000.00	\$974.69
1183	17-Nov-12	7	9	\$25.31	Yes	\$1,000.00	\$974.69
1184	17-Nov-12	7	10	\$19.54	Yes	\$1,000.00	\$980.46
1185	17-Nov-12	7	11	\$25.66	Yes	\$1,000.00	\$974.34
1186	17-Nov-12	7	12	\$30.86	Yes	\$1,000.00	\$969.14
1187	17-Nov-12	8	1	\$26.49	Yes	\$1,000.00	\$973.51
1188	17-Nov-12	8	2	\$25.86	Yes	\$1,000.00	\$974.14
1189	17-Nov-12	8	3	\$25.86	Yes	\$1,000.00	\$974.14
1190	17-Nov-12	8	4	\$26.22	Yes	\$1,000.00	\$973.78
1191	17-Nov-12	8	5	\$26.22	Yes	\$1,000.00	\$973.78
1192	17-Nov-12	8	6	\$26.78	Yes	\$1,000.00	\$973.22
1193	17-Nov-12	8	7	\$26.35	Yes	\$1,000.00	\$973.65
1194	17-Nov-12	8	8	\$26.35	Yes	\$1,000.00	\$973.65
1195	17-Nov-12	8	9	\$27.63	Yes	\$1,000.00	\$972.37
1196	17-Nov-12	8	10	\$27.93	Yes	\$1,000.00	\$972.07
1197	17-Nov-12	8	11	\$28.81	Yes	\$1,000.00	\$971.19
1198	17-Nov-12	8	12	\$28.81	Yes	\$1,000.00	\$971.19
1199	17-Nov-12	9	1	\$26.84	Yes	\$1,000.00	\$973.16
1200	17-Nov-12	9	2	\$25.88	Yes	\$1,000.00	\$974.12
1201	17-Nov-12	9	3	\$25.88	Yes	\$1,000.00	\$974.12
1202	17-Nov-12	9	4	\$25.80	Yes	\$1,000.00	\$974.20
1203	17-Nov-12	9	5	\$26.00	Yes	\$1,000.00	\$974.00
1204	17-Nov-12	9	6	\$26.81	Yes	\$1,000.00	\$973.19
1205	17-Nov-12	9	7	\$26.80	Yes	\$1,000.00	\$973.20
1206	17-Nov-12	9	8	\$26.80	Yes	\$1,000.00	\$973.20
1207	17-Nov-12	9	9	\$27.08	Yes	\$1,000.00	\$972.92
1208	17-Nov-12	9	10	\$27.98	Yes	\$1,000.00	\$972.02
1209	17-Nov-12	9	11	\$27.73	Yes	\$1,000.00	\$972.27
1210	17-Nov-12	9	12	\$28.73	Yes	\$1,000.00	\$971.27
1211	17-Nov-12	10	1	\$25.30	Yes	\$1,000.00	\$974.70

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1212	17-Nov-12	10	2	\$23.35	Yes	\$1,000.00	\$976.65
1213	17-Nov-12	10	3	\$25.77	Yes	\$1,000.00	\$974.23
1214	17-Nov-12	10	4	\$25.81	Yes	\$1,000.00	\$974.19
1215	17-Nov-12	10	5	\$25.82	Yes	\$1,000.00	\$974.18
1216	17-Nov-12	10	6	\$25.81	Yes	\$1,000.00	\$974.19
1217	17-Nov-12	10	7	\$26.26	Yes	\$1,000.00	\$973.74
1218	17-Nov-12	10	8	\$26.26	Yes	\$1,000.00	\$973.74
1219	17-Nov-12	10	9	\$26.82	Yes	\$1,000.00	\$973.18
1220	17-Nov-12	10	10	\$26.63	Yes	\$1,000.00	\$973.37
1221	17-Nov-12	10	11	\$26.87	Yes	\$1,000.00	\$973.13
1222	17-Nov-12	10	12	\$27.64	Yes	\$1,000.00	\$972.36
1223	17-Nov-12	11	1	\$27.64	Yes	\$1,000.00	\$972.36
1224	17-Nov-12	11	2	\$27.64	Yes	\$1,000.00	\$972.36
1225	17-Nov-12	11	3	\$27.64	Yes	\$1,000.00	\$972.36
1226	17-Nov-12	11	4	\$27.73	Yes	\$1,000.00	\$972.27
1227	17-Nov-12	11	5	\$27.69	Yes	\$1,000.00	\$972.31
1228	17-Nov-12	11	6	\$27.69	Yes	\$1,000.00	\$972.31
1229	17-Nov-12	11	7	\$27.75	Yes	\$1,000.00	\$972.25
1230	17-Nov-12	11	8	\$27.74	Yes	\$1,000.00	\$972.26
1231	17-Nov-12	11	9	\$27.97	Yes	\$1,000.00	\$972.03
1232	17-Nov-12	11	10	\$28.65	Yes	\$1,000.00	\$971.35
1233	17-Nov-12	11	11	\$30.04	Yes	\$1,000.00	\$969.96
1234	17-Nov-12	11	12	\$30.04	Yes	\$1,000.00	\$969.96
1235	17-Nov-12	12	1	\$35.03	Yes	\$1,000.00	\$964.97
1236	17-Nov-12	12	2	\$35.03	Yes	\$1,000.00	\$964.97
1237	17-Nov-12	12	3	\$33.73	Yes	\$1,000.00	\$966.27
1238	17-Nov-12	12	4	\$34.60	Yes	\$1,000.00	\$965.40
1239	17-Nov-12	12	5	\$47.97	Yes	\$1,000.00	\$952.03
1240	17-Nov-12	12	6	\$45.53	Yes	\$1,000.00	\$954.47
1241	17-Nov-12	12	7	\$36.35	Yes	\$1,000.00	\$963.65
1242	17-Nov-12	12	8	\$48.68	Yes	\$1,000.00	\$951.32
1243	17-Nov-12	12	9	\$45.89	Yes	\$1,000.00	\$954.11
1244	17-Nov-12	12	10	\$45.90	Yes	\$1,000.00	\$954.10
1245	17-Nov-12	12	11	\$43.11	Yes	\$1,000.00	\$956.89
1246	17-Nov-12	12	12	\$36.30	Yes	\$1,000.00	\$963.70
1247	17-Nov-12	13	1	\$36.16	Yes	\$1,000.00	\$963.84
1248	17-Nov-12	13	2	\$36.53	Yes	\$1,000.00	\$963.47
1249	17-Nov-12	13	3	\$32.01	Yes	\$1,000.00	\$967.99
1250	17-Nov-12	13	4	\$33.69	Yes	\$1,000.00	\$966.31
1251	17-Nov-12	13	5	\$35.85	Yes	\$1,000.00	\$964.15
1252	17-Nov-12	13	6	\$36.02	Yes	\$1,000.00	\$963.98
1253	17-Nov-12	13	7	\$36.25	Yes	\$1,000.00	\$963.75
1254	17-Nov-12	13	8	\$34.71	Yes	\$1,000.00	\$965.29
1255	17-Nov-12	13	9	\$31.99	Yes	\$1,000.00	\$968.01
1256	17-Nov-12	13	10	\$32.02	Yes	\$1,000.00	\$967.98

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1257	17-Nov-12	13	11	\$32.02	Yes	\$1,000.00	\$967.98
1258	17-Nov-12	13	12	\$30.61	Yes	\$1,000.00	\$969.39
1259	17-Nov-12	14	1	\$33.54	Yes	\$1,000.00	\$966.46
1260	17-Nov-12	14	2	\$32.32	Yes	\$1,000.00	\$967.68
1261	17-Nov-12	14	3	\$31.82	Yes	\$1,000.00	\$968.18
1262	17-Nov-12	14	4	\$31.82	Yes	\$1,000.00	\$968.18
1263	17-Nov-12	14	5	\$31.82	Yes	\$1,000.00	\$968.18
1264	17-Nov-12	14	6	\$31.82	Yes	\$1,000.00	\$968.18
1265	17-Nov-12	14	7	\$31.84	Yes	\$1,000.00	\$968.16
1266	17-Nov-12	14	8	\$31.78	Yes	\$1,000.00	\$968.22
1267	17-Nov-12	14	9	\$30.29	Yes	\$1,000.00	\$969.71
1268	17-Nov-12	14	10	\$28.82	Yes	\$1,000.00	\$971.18
1269	17-Nov-12	14	11	\$28.82	Yes	\$1,000.00	\$971.18
1270	17-Nov-12	14	12	\$30.29	Yes	\$1,000.00	\$969.71
1271	17-Nov-12	15	1	\$30.29	Yes	\$1,000.00	\$969.71
1272	17-Nov-12	15	2	\$30.29	Yes	\$1,000.00	\$969.71
1273	17-Nov-12	15	3	\$27.80	Yes	\$1,000.00	\$972.20
1274	17-Nov-12	15	4	\$27.79	Yes	\$1,000.00	\$972.21
1275	17-Nov-12	15	5	\$27.18	Yes	\$1,000.00	\$972.82
1276	17-Nov-12	15	6	\$26.23	Yes	\$1,000.00	\$973.77
1277	17-Nov-12	15	7	\$27.57	Yes	\$1,000.00	\$972.43
1278	17-Nov-12	15	8	\$26.99	Yes	\$1,000.00	\$973.01
1279	17-Nov-12	15	9	\$26.99	Yes	\$1,000.00	\$973.01
1280	17-Nov-12	15	10	\$27.69	Yes	\$1,000.00	\$972.31
1281	17-Nov-12	15	11	\$27.01	Yes	\$1,000.00	\$972.99
1282	17-Nov-12	15	12	\$27.56	Yes	\$1,000.00	\$972.44
1283	17-Nov-12	16	1	\$26.15	Yes	\$1,000.00	\$973.85
1284	17-Nov-12	16	2	\$26.83	Yes	\$1,000.00	\$973.17
1285	17-Nov-12	16	3	\$26.38	Yes	\$1,000.00	\$973.62
1286	17-Nov-12	16	4	\$26.37	Yes	\$1,000.00	\$973.63
1287	17-Nov-12	16	5	\$25.94	Yes	\$1,000.00	\$974.06
1288	17-Nov-12	16	6	\$25.94	Yes	\$1,000.00	\$974.06
1289	17-Nov-12	16	7	\$27.66	Yes	\$1,000.00	\$972.34
1290	17-Nov-12	16	8	\$27.66	Yes	\$1,000.00	\$972.34
1291	17-Nov-12	16	9	\$27.66	Yes	\$1,000.00	\$972.34
1292	17-Nov-12	16	10	\$27.66	Yes	\$1,000.00	\$972.34
1293	17-Nov-12	16	11	\$27.63	Yes	\$1,000.00	\$972.37
1294	17-Nov-12	16	12	\$27.66	Yes	\$1,000.00	\$972.34
1295	17-Nov-12	17	1	\$19.16	Yes	\$1,000.00	\$980.84
1296	17-Nov-12	17	2	\$23.15	Yes	\$1,000.00	\$976.85
1297	17-Nov-12	17	3	\$24.19	Yes	\$1,000.00	\$975.81
1298	17-Nov-12	17	4	\$25.98	Yes	\$1,000.00	\$974.02
1299	17-Nov-12	17	5	\$13.13	Yes	\$1,000.00	\$986.87
1300	17-Nov-12	17	6	\$16.63	Yes	\$1,000.00	\$983.37
1301	17-Nov-12	17	7	\$12.23	Yes	\$1,000.00	\$987.77

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1302	17-Nov-12	17	8	\$12.12	Yes	\$1,000.00	\$987.88
1303	17-Nov-12	17	9	\$21.47	Yes	\$1,000.00	\$978.53
1304	17-Nov-12	17	10	\$13.11	Yes	\$1,000.00	\$986.89
1305	17-Nov-12	17	11	\$13.93	Yes	\$1,000.00	\$986.07
1306	17-Nov-12	17	12	\$11.48	Yes	\$1,000.00	\$988.52
1307	17-Nov-12	18	1	\$0.22	No	(\$30.00)	(\$30.22)
1308	17-Nov-12	18	2	\$27.95	No	(\$30.00)	(\$57.95)
1309	17-Nov-12	18	3	\$28.06	No	(\$30.00)	(\$58.06)
1310	17-Nov-12	18	4	\$34.26	No	(\$30.00)	(\$64.26)
1311	17-Nov-12	18	5	\$34.26	No	(\$30.00)	(\$64.26)
1312	17-Nov-12	18	6	\$34.60	No	(\$30.00)	(\$64.60)
1313	17-Nov-12	18	7	\$34.85	No	(\$30.00)	(\$64.85)
1314	17-Nov-12	18	8	\$33.75	No	(\$30.00)	(\$63.75)
1315	17-Nov-12	18	9	\$32.50	No	(\$30.00)	(\$62.50)
1316	17-Nov-12	18	10	\$35.79	No	(\$30.00)	(\$65.79)
1317	17-Nov-12	18	11	\$36.22	No	(\$30.00)	(\$66.22)
1318	17-Nov-12	18	12	\$35.79	No	(\$30.00)	(\$65.79)
1319	17-Nov-12	19	1	\$48.80	Yes	\$1,000.00	\$951.20
1320	17-Nov-12	19	2	\$329.15	Yes	\$1,000.00	\$670.85
1321	17-Nov-12	19	3	\$1,000.00	Yes	\$1,000.00	\$0.00
1322	17-Nov-12	19	4	\$329.94	Yes	\$1,000.00	\$670.06
1323	17-Nov-12	19	5	\$63.98	Yes	\$1,000.00	\$936.02
1324	17-Nov-12	19	6	\$48.85	Yes	\$1,000.00	\$951.15
1325	17-Nov-12	19	7	\$36.12	Yes	\$1,000.00	\$963.88
1326	17-Nov-12	19	8	\$36.12	Yes	\$1,000.00	\$963.88
1327	17-Nov-12	19	9	\$36.12	Yes	\$1,000.00	\$963.88
1328	17-Nov-12	19	10	\$58.52	Yes	\$1,000.00	\$941.48
1329	17-Nov-12	19	11	\$36.49	Yes	\$1,000.00	\$963.51
1330	17-Nov-12	19	12	\$33.72	Yes	\$1,000.00	\$966.28
1331	17-Nov-12	20	1	\$33.80	No	\$1,000.00	\$966.20
1332	17-Nov-12	20	2	\$33.13	No	\$1,000.00	\$966.87
1333	17-Nov-12	20	3	\$32.23	No	\$1,000.00	\$967.77
1334	17-Nov-12	20	4	\$32.42	No	\$1,000.00	\$967.58
1335	17-Nov-12	20	5	\$32.80	No	\$1,000.00	\$967.20
1336	17-Nov-12	20	6	\$32.95	No	\$1,000.00	\$967.05
1337	17-Nov-12	20	7	\$32.41	No	\$1,000.00	\$967.59
1338	17-Nov-12	20	8	\$32.20	No	\$1,000.00	\$967.80
1339	17-Nov-12	20	9	\$30.71	No	\$1,000.00	\$969.29
1340	17-Nov-12	20	10	\$28.60	No	\$1,000.00	\$971.40
1341	17-Nov-12	20	11	\$28.60	No	\$1,000.00	\$971.40
1342	17-Nov-12	20	12	\$28.60	No	\$1,000.00	\$971.40
1343	17-Nov-12	21	1	\$31.77	Yes	\$1,000.00	\$968.23
1344	17-Nov-12	21	2	\$45.52	Yes	\$1,000.00	\$954.48
1345	17-Nov-12	21	3	\$40.69	Yes	\$1,000.00	\$959.31
1346	17-Nov-12	21	4	\$35.67	Yes	\$1,000.00	\$964.33

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1347	17-Nov-12	21	5	\$34.80	Yes	\$1,000.00	\$965.20
1348	17-Nov-12	21	6	\$34.80	Yes	\$1,000.00	\$965.20
1349	17-Nov-12	21	7	\$32.71	Yes	\$1,000.00	\$967.29
1350	17-Nov-12	21	8	\$30.70	Yes	\$1,000.00	\$969.30
1351	17-Nov-12	21	9	\$28.74	Yes	\$1,000.00	\$971.26
1352	17-Nov-12	21	10	\$28.67	Yes	\$1,000.00	\$971.33
1353	17-Nov-12	21	11	\$28.35	Yes	\$1,000.00	\$971.65
1354	17-Nov-12	21	12	\$28.35	Yes	\$1,000.00	\$971.65
1355	18-Nov-12	7	1	\$21.99	Yes	\$1,000.00	\$978.01
1356	18-Nov-12	7	2	\$24.95	Yes	\$1,000.00	\$975.05
1357	18-Nov-12	7	3	\$24.95	Yes	\$1,000.00	\$975.05
1358	18-Nov-12	7	4	\$24.86	Yes	\$1,000.00	\$975.14
1359	18-Nov-12	7	5	\$24.86	Yes	\$1,000.00	\$975.14
1360	18-Nov-12	7	6	\$24.86	Yes	\$1,000.00	\$975.14
1361	18-Nov-12	7	7	\$25.10	Yes	\$1,000.00	\$974.90
1362	18-Nov-12	7	8	\$24.60	Yes	\$1,000.00	\$975.40
1363	18-Nov-12	7	9	\$25.20	Yes	\$1,000.00	\$974.80
1364	18-Nov-12	7	10	\$25.05	Yes	\$1,000.00	\$974.95
1365	18-Nov-12	7	11	\$24.52	Yes	\$1,000.00	\$975.48
1366	18-Nov-12	7	12	\$25.05	Yes	\$1,000.00	\$974.95
1367	18-Nov-12	8	1	\$24.37	Yes	\$1,000.00	\$975.63
1368	18-Nov-12	8	2	\$25.50	Yes	\$1,000.00	\$974.50
1369	18-Nov-12	8	3	\$25.23	Yes	\$1,000.00	\$974.77
1370	18-Nov-12	8	4	\$24.80	Yes	\$1,000.00	\$975.20
1371	18-Nov-12	8	5	\$25.24	Yes	\$1,000.00	\$974.76
1372	18-Nov-12	8	6	\$25.51	Yes	\$1,000.00	\$974.49
1373	18-Nov-12	8	7	\$25.44	Yes	\$1,000.00	\$974.56
1374	18-Nov-12	8	8	\$25.44	Yes	\$1,000.00	\$974.56
1375	18-Nov-12	8	9	\$25.80	Yes	\$1,000.00	\$974.20
1376	18-Nov-12	8	10	\$25.98	Yes	\$1,000.00	\$974.02
1377	18-Nov-12	8	11	\$26.37	Yes	\$1,000.00	\$973.63
1378	18-Nov-12	8	12	\$26.43	Yes	\$1,000.00	\$973.57
1379	18-Nov-12	9	1	\$27.56	Yes	\$1,000.00	\$972.44
1380	18-Nov-12	9	2	\$27.56	Yes	\$1,000.00	\$972.44
1381	18-Nov-12	9	3	\$27.88	Yes	\$1,000.00	\$972.12
1382	18-Nov-12	9	4	\$24.01	Yes	\$1,000.00	\$975.99
1383	18-Nov-12	9	5	\$25.63	Yes	\$1,000.00	\$974.37
1384	18-Nov-12	9	6	\$25.83	Yes	\$1,000.00	\$974.17
1385	18-Nov-12	9	7	\$25.78	Yes	\$1,000.00	\$974.22
1386	18-Nov-12	9	8	\$25.78	Yes	\$1,000.00	\$974.22
1387	18-Nov-12	9	9	\$25.78	Yes	\$1,000.00	\$974.22
1388	18-Nov-12	9	10	\$24.12	Yes	\$1,000.00	\$975.88
1389	18-Nov-12	9	11	\$23.42	Yes	\$1,000.00	\$976.58
1390	18-Nov-12	9	12	\$25.70	Yes	\$1,000.00	\$974.30
1391	18-Nov-12	10	1	\$24.65	Yes	\$1,000.00	\$975.35

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1392	18-Nov-12	10	2	\$23.95	Yes	\$1,000.00	\$976.05
1393	18-Nov-12	10	3	\$23.37	Yes	\$1,000.00	\$976.63
1394	18-Nov-12	10	4	\$24.82	Yes	\$1,000.00	\$975.18
1395	18-Nov-12	10	5	\$25.64	Yes	\$1,000.00	\$974.36
1396	18-Nov-12	10	6	\$24.82	Yes	\$1,000.00	\$975.18
1397	18-Nov-12	10	7	\$25.87	Yes	\$1,000.00	\$974.13
1398	18-Nov-12	10	8	\$25.76	Yes	\$1,000.00	\$974.24
1399	18-Nov-12	10	9	\$25.76	Yes	\$1,000.00	\$974.24
1400	18-Nov-12	10	10	\$25.76	Yes	\$1,000.00	\$974.24
1401	18-Nov-12	10	11	\$25.76	Yes	\$1,000.00	\$974.24
1402	18-Nov-12	10	12	\$25.76	Yes	\$1,000.00	\$974.24
1403	18-Nov-12	11	1	\$24.71	Yes	\$1,000.00	\$975.29
1404	18-Nov-12	11	2	\$25.52	Yes	\$1,000.00	\$974.48
1405	18-Nov-12	11	3	\$25.52	Yes	\$1,000.00	\$974.48
1406	18-Nov-12	11	4	\$24.95	Yes	\$1,000.00	\$975.05
1407	18-Nov-12	11	5	\$24.95	Yes	\$1,000.00	\$975.05
1408	18-Nov-12	11	6	\$24.95	Yes	\$1,000.00	\$975.05
1409	18-Nov-12	11	7	\$25.85	Yes	\$1,000.00	\$974.15
1410	18-Nov-12	11	8	\$25.85	Yes	\$1,000.00	\$974.15
1411	18-Nov-12	11	9	\$25.85	Yes	\$1,000.00	\$974.15
1412	18-Nov-12	11	10	\$25.69	Yes	\$1,000.00	\$974.31
1413	18-Nov-12	11	11	\$26.28	Yes	\$1,000.00	\$973.72
1414	18-Nov-12	11	12	\$25.92	Yes	\$1,000.00	\$974.08
1415	18-Nov-12	12	1	\$23.16	Yes	\$1,000.00	\$976.84
1416	18-Nov-12	12	2	\$23.16	Yes	\$1,000.00	\$976.84
1417	18-Nov-12	12	3	\$23.16	Yes	\$1,000.00	\$976.84
1418	18-Nov-12	12	4	\$25.68	Yes	\$1,000.00	\$974.32
1419	18-Nov-12	12	5	\$24.99	Yes	\$1,000.00	\$975.01
1420	18-Nov-12	12	6	\$24.99	Yes	\$1,000.00	\$975.01
1421	18-Nov-12	12	7	\$24.36	Yes	\$1,000.00	\$975.64
1422	18-Nov-12	12	8	\$24.94	Yes	\$1,000.00	\$975.06
1423	18-Nov-12	12	9	\$23.23	Yes	\$1,000.00	\$976.77
1424	18-Nov-12	12	10	\$23.20	Yes	\$1,000.00	\$976.80
1425	18-Nov-12	12	11	\$23.10	Yes	\$1,000.00	\$976.90
1426	18-Nov-12	12	12	\$23.10	Yes	\$1,000.00	\$976.90
1427	18-Nov-12	13	1	\$23.03	Yes	\$1,000.00	\$976.97
1428	18-Nov-12	13	2	\$23.03	Yes	\$1,000.00	\$976.97
1429	18-Nov-12	13	3	\$23.06	Yes	\$1,000.00	\$976.94
1430	18-Nov-12	13	4	\$23.16	Yes	\$1,000.00	\$976.84
1431	18-Nov-12	13	5	\$23.16	Yes	\$1,000.00	\$976.84
1432	18-Nov-12	13	6	\$23.16	Yes	\$1,000.00	\$976.84
1433	18-Nov-12	13	7	\$25.72	Yes	\$1,000.00	\$974.28
1434	18-Nov-12	13	8	\$25.72	Yes	\$1,000.00	\$974.28
1435	18-Nov-12	13	9	\$25.87	Yes	\$1,000.00	\$974.13
1436	18-Nov-12	13	10	\$24.48	Yes	\$1,000.00	\$975.52

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1437	18-Nov-12	13	11	\$25.11	Yes	\$1,000.00	\$974.89
1438	18-Nov-12	13	12	\$24.89	Yes	\$1,000.00	\$975.11
1439	18-Nov-12	14	1	\$25.16	Yes	\$1,000.00	\$974.84
1440	18-Nov-12	14	2	\$25.16	Yes	\$1,000.00	\$974.84
1441	18-Nov-12	14	3	\$25.16	Yes	\$1,000.00	\$974.84
1442	18-Nov-12	14	4	\$25.16	Yes	\$1,000.00	\$974.84
1443	18-Nov-12	14	5	\$25.16	Yes	\$1,000.00	\$974.84
1444	18-Nov-12	14	6	\$25.16	Yes	\$1,000.00	\$974.84
1445	18-Nov-12	14	7	\$25.63	Yes	\$1,000.00	\$974.37
1446	18-Nov-12	14	8	\$25.63	Yes	\$1,000.00	\$974.37
1447	18-Nov-12	14	9	\$25.63	Yes	\$1,000.00	\$974.37
1448	18-Nov-12	14	10	\$25.56	Yes	\$1,000.00	\$974.44
1449	18-Nov-12	14	11	\$25.56	Yes	\$1,000.00	\$974.44
1450	18-Nov-12	14	12	\$25.13	Yes	\$1,000.00	\$974.87
1451	18-Nov-12	15	1	\$25.89	Yes	\$1,000.00	\$974.11
1452	18-Nov-12	15	2	\$25.68	Yes	\$1,000.00	\$974.32
1453	18-Nov-12	15	3	\$25.68	Yes	\$1,000.00	\$974.32
1454	18-Nov-12	15	4	\$24.98	Yes	\$1,000.00	\$975.02
1455	18-Nov-12	15	5	\$25.58	Yes	\$1,000.00	\$974.42
1456	18-Nov-12	15	6	\$26.88	Yes	\$1,000.00	\$973.12
1457	18-Nov-12	15	7	\$28.07	Yes	\$1,000.00	\$971.93
1458	18-Nov-12	15	8	\$26.01	Yes	\$1,000.00	\$973.99
1459	18-Nov-12	15	9	\$26.85	Yes	\$1,000.00	\$973.15
1460	18-Nov-12	15	10	\$26.53	Yes	\$1,000.00	\$973.47
1461	18-Nov-12	15	11	\$26.47	Yes	\$1,000.00	\$973.53
1462	18-Nov-12	15	12	\$26.89	Yes	\$1,000.00	\$973.11
1463	18-Nov-12	16	1	\$25.42	Yes	\$1,000.00	\$974.58
1464	18-Nov-12	16	2	\$24.76	Yes	\$1,000.00	\$975.24
1465	18-Nov-12	16	3	\$24.15	Yes	\$1,000.00	\$975.85
1466	18-Nov-12	16	4	\$24.17	Yes	\$1,000.00	\$975.83
1467	18-Nov-12	16	5	\$24.75	Yes	\$1,000.00	\$975.25
1468	18-Nov-12	16	6	\$24.75	Yes	\$1,000.00	\$975.25
1469	18-Nov-12	16	7	\$25.76	Yes	\$1,000.00	\$974.24
1470	18-Nov-12	16	8	\$25.99	Yes	\$1,000.00	\$974.01
1471	18-Nov-12	16	9	\$27.55	Yes	\$1,000.00	\$972.45
1472	18-Nov-12	16	10	\$27.54	Yes	\$1,000.00	\$972.46
1473	18-Nov-12	16	11	\$27.34	Yes	\$1,000.00	\$972.66
1474	18-Nov-12	16	12	\$27.54	Yes	\$1,000.00	\$972.46
1475	18-Nov-12	17	1	\$20.79	Yes	\$1,000.00	\$979.21
1476	18-Nov-12	17	2	\$20.79	Yes	\$1,000.00	\$979.21
1477	18-Nov-12	17	3	\$22.08	Yes	\$1,000.00	\$977.92
1478	18-Nov-12	17	4	\$22.10	Yes	\$1,000.00	\$977.90
1479	18-Nov-12	17	5	\$22.87	Yes	\$1,000.00	\$977.13
1480	18-Nov-12	17	6	\$24.27	Yes	\$1,000.00	\$975.73
1481	18-Nov-12	17	7	\$23.81	Yes	\$1,000.00	\$976.19

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1482	18-Nov-12	17	8	\$25.58	Yes	\$1,000.00	\$974.42
1483	18-Nov-12	17	9	\$26.01	Yes	\$1,000.00	\$973.99
1484	18-Nov-12	17	10	\$28.64	Yes	\$1,000.00	\$971.36
1485	18-Nov-12	17	11	\$35.57	Yes	\$1,000.00	\$964.43
1486	18-Nov-12	17	12	\$42.49	Yes	\$1,000.00	\$957.51
1487	18-Nov-12	18	1	\$35.35	Yes	\$1,000.00	\$964.65
1488	18-Nov-12	18	2	\$30.43	Yes	\$1,000.00	\$969.57
1489	18-Nov-12	18	3	\$34.10	Yes	\$1,000.00	\$965.90
1490	18-Nov-12	18	4	\$34.00	Yes	\$1,000.00	\$966.00
1491	18-Nov-12	18	5	\$35.49	Yes	\$1,000.00	\$964.51
1492	18-Nov-12	18	6	\$39.32	Yes	\$1,000.00	\$960.68
1493	18-Nov-12	18	7	\$40.87	Yes	\$1,000.00	\$959.13
1494	18-Nov-12	18	8	\$46.31	Yes	\$1,000.00	\$953.69
1495	18-Nov-12	18	9	\$40.87	Yes	\$1,000.00	\$959.13
1496	18-Nov-12	18	10	\$40.04	Yes	\$1,000.00	\$959.96
1497	18-Nov-12	18	11	\$40.95	Yes	\$1,000.00	\$959.05
1498	18-Nov-12	18	12	\$41.86	Yes	\$1,000.00	\$958.14
1499	18-Nov-12	19	1	\$36.05	No	(\$30.00)	(\$66.05)
1500	18-Nov-12	19	2	\$38.53	No	(\$30.00)	(\$68.53)
1501	18-Nov-12	19	3	\$37.87	No	(\$30.00)	(\$67.87)
1502	18-Nov-12	19	4	\$37.62	No	(\$30.00)	(\$67.62)
1503	18-Nov-12	19	5	\$36.10	No	(\$30.00)	(\$66.10)
1504	18-Nov-12	19	6	\$36.06	No	(\$30.00)	(\$66.06)
1505	18-Nov-12	19	7	\$35.28	No	(\$30.00)	(\$65.28)
1506	18-Nov-12	19	8	\$35.28	No	(\$30.00)	(\$65.28)
1507	18-Nov-12	19	9	\$35.28	No	(\$30.00)	(\$65.28)
1508	18-Nov-12	19	10	\$35.28	No	(\$30.00)	(\$65.28)
1509	18-Nov-12	19	11	\$36.05	No	(\$30.00)	(\$66.05)
1510	18-Nov-12	19	12	\$35.28	No	(\$30.00)	(\$65.28)
1511	18-Nov-12	20	1	\$42.22	No	\$1,000.00	\$957.78
1512	18-Nov-12	20	2	\$35.18	No	\$1,000.00	\$964.82
1513	18-Nov-12	20	3	\$35.30	No	\$1,000.00	\$964.70
1514	18-Nov-12	20	4	\$35.47	No	\$1,000.00	\$964.53
1515	18-Nov-12	20	5	\$35.47	No	\$1,000.00	\$964.53
1516	18-Nov-12	20	6	\$35.62	No	\$1,000.00	\$964.38
1517	18-Nov-12	20	7	\$35.19	No	\$1,000.00	\$964.81
1518	18-Nov-12	20	8	\$33.16	No	\$1,000.00	\$966.84
1519	18-Nov-12	20	9	\$33.16	No	\$1,000.00	\$966.84
1520	18-Nov-12	20	10	\$31.51	No	\$1,000.00	\$968.49
1521	18-Nov-12	20	11	\$29.35	No	\$1,000.00	\$970.65
1522	18-Nov-12	20	12	\$29.07	No	\$1,000.00	\$970.93
1523	19-Nov-12	7	1	(\$30.39)	Yes	\$1,000.00	\$1,030.39
1524	19-Nov-12	7	2	(\$30.28)	Yes	\$1,000.00	\$1,030.28
1525	19-Nov-12	7	3	(\$0.22)	Yes	\$1,000.00	\$1,000.22
1526	19-Nov-12	7	4	\$10.95	Yes	\$1,000.00	\$989.05

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1527	19-Nov-12	7	5	\$13.36	Yes	\$1,000.00	\$986.64
1528	19-Nov-12	7	6	\$21.66	Yes	\$1,000.00	\$978.34
1529	19-Nov-12	7	7	\$17.83	Yes	\$1,000.00	\$982.17
1530	19-Nov-12	7	8	\$17.84	Yes	\$1,000.00	\$982.16
1531	19-Nov-12	7	9	\$18.79	Yes	\$1,000.00	\$981.21
1532	19-Nov-12	7	10	\$23.15	Yes	\$1,000.00	\$976.85
1533	19-Nov-12	7	11	\$23.15	Yes	\$1,000.00	\$976.85
1534	19-Nov-12	7	12	\$17.83	Yes	\$1,000.00	\$982.17
1535	19-Nov-12	8	1	\$17.97	Yes	\$1,000.00	\$982.03
1536	19-Nov-12	8	2	\$22.19	Yes	\$1,000.00	\$977.81
1537	19-Nov-12	8	3	\$17.97	Yes	\$1,000.00	\$982.03
1538	19-Nov-12	8	4	\$17.92	Yes	\$1,000.00	\$982.08
1539	19-Nov-12	8	5	\$18.71	Yes	\$1,000.00	\$981.29
1540	19-Nov-12	8	6	\$22.17	Yes	\$1,000.00	\$977.83
1541	19-Nov-12	8	7	\$24.77	Yes	\$1,000.00	\$975.23
1542	19-Nov-12	8	8	\$23.27	Yes	\$1,000.00	\$976.73
1543	19-Nov-12	8	9	\$24.44	Yes	\$1,000.00	\$975.56
1544	19-Nov-12	8	10	\$23.35	Yes	\$1,000.00	\$976.65
1545	19-Nov-12	8	11	\$22.57	Yes	\$1,000.00	\$977.43
1546	19-Nov-12	8	12	\$23.35	Yes	\$1,000.00	\$976.65
1547	19-Nov-12	9	1	\$23.05	Yes	\$1,000.00	\$976.95
1548	19-Nov-12	9	2	\$21.17	Yes	\$1,000.00	\$978.83
1549	19-Nov-12	9	3	\$20.46	Yes	\$1,000.00	\$979.54
1550	19-Nov-12	9	4	\$23.50	Yes	\$1,000.00	\$976.50
1551	19-Nov-12	9	5	\$23.50	Yes	\$1,000.00	\$976.50
1552	19-Nov-12	9	6	\$24.72	Yes	\$1,000.00	\$975.28
1553	19-Nov-12	9	7	\$24.89	Yes	\$1,000.00	\$975.11
1554	19-Nov-12	9	8	\$24.89	Yes	\$1,000.00	\$975.11
1555	19-Nov-12	9	9	\$24.89	Yes	\$1,000.00	\$975.11
1556	19-Nov-12	9	10	\$24.69	Yes	\$1,000.00	\$975.31
1557	19-Nov-12	9	11	\$23.27	Yes	\$1,000.00	\$976.73
1558	19-Nov-12	9	12	\$24.69	Yes	\$1,000.00	\$975.31
1559	19-Nov-12	10	1	\$22.16	Yes	\$1,000.00	\$977.84
1560	19-Nov-12	10	2	\$22.37	Yes	\$1,000.00	\$977.63
1561	19-Nov-12	10	3	\$22.16	Yes	\$1,000.00	\$977.84
1562	19-Nov-12	10	4	\$18.69	Yes	\$1,000.00	\$981.31
1563	19-Nov-12	10	5	\$18.98	Yes	\$1,000.00	\$981.02
1564	19-Nov-12	10	6	\$21.46	Yes	\$1,000.00	\$978.54
1565	19-Nov-12	10	7	\$21.46	Yes	\$1,000.00	\$978.54
1566	19-Nov-12	10	8	\$21.46	Yes	\$1,000.00	\$978.54
1567	19-Nov-12	10	9	\$21.46	Yes	\$1,000.00	\$978.54
1568	19-Nov-12	10	10	\$23.21	Yes	\$1,000.00	\$976.79
1569	19-Nov-12	10	11	\$23.21	Yes	\$1,000.00	\$976.79
1570	19-Nov-12	10	12	\$23.21	Yes	\$1,000.00	\$976.79
1571	19-Nov-12	11	1	\$23.21	No	\$1,000.00	\$976.79

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1572	19-Nov-12	11	2	\$23.30	No	\$1,000.00	\$976.70
1573	19-Nov-12	11	3	\$24.57	No	\$1,000.00	\$975.43
1574	19-Nov-12	11	4	\$23.76	No	\$1,000.00	\$976.24
1575	19-Nov-12	11	5	\$23.66	No	\$1,000.00	\$976.34
1576	19-Nov-12	11	6	\$23.76	No	\$1,000.00	\$976.24
1577	19-Nov-12	11	7	\$25.00	No	\$1,000.00	\$975.00
1578	19-Nov-12	11	8	\$25.27	No	\$1,000.00	\$974.73
1579	19-Nov-12	11	9	\$25.27	No	\$1,000.00	\$974.73
1580	19-Nov-12	11	10	\$25.35	No	\$1,000.00	\$974.65
1581	19-Nov-12	11	11	\$25.35	No	\$1,000.00	\$974.65
1582	19-Nov-12	11	12	\$24.31	No	\$1,000.00	\$975.69
1583	19-Nov-12	12	1	\$23.75	Yes	\$1,000.00	\$976.25
1584	19-Nov-12	12	2	\$24.04	Yes	\$1,000.00	\$975.96
1585	19-Nov-12	12	3	\$23.75	Yes	\$1,000.00	\$976.25
1586	19-Nov-12	12	4	\$23.68	Yes	\$1,000.00	\$976.32
1587	19-Nov-12	12	5	\$23.68	Yes	\$1,000.00	\$976.32
1588	19-Nov-12	12	6	\$23.68	Yes	\$1,000.00	\$976.32
1589	19-Nov-12	12	7	\$23.81	Yes	\$1,000.00	\$976.19
1590	19-Nov-12	12	8	\$23.81	Yes	\$1,000.00	\$976.19
1591	19-Nov-12	12	9	\$23.81	Yes	\$1,000.00	\$976.19
1592	19-Nov-12	12	10	\$23.81	Yes	\$1,000.00	\$976.19
1593	19-Nov-12	12	11	\$24.92	Yes	\$1,000.00	\$975.08
1594	19-Nov-12	12	12	\$26.90	Yes	\$1,000.00	\$973.10
1595	19-Nov-12	13	1	\$26.68	Yes	\$1,000.00	\$973.32
1596	19-Nov-12	13	2	\$27.96	Yes	\$1,000.00	\$972.04
1597	19-Nov-12	13	3	\$26.04	Yes	\$1,000.00	\$973.96
1598	19-Nov-12	13	4	\$23.85	Yes	\$1,000.00	\$976.15
1599	19-Nov-12	13	5	\$25.26	Yes	\$1,000.00	\$974.74
1600	19-Nov-12	13	6	\$25.26	Yes	\$1,000.00	\$974.74
1601	19-Nov-12	13	7	\$26.20	Yes	\$1,000.00	\$973.80
1602	19-Nov-12	13	8	\$26.20	Yes	\$1,000.00	\$973.80
1603	19-Nov-12	13	9	\$26.20	Yes	\$1,000.00	\$973.80
1604	19-Nov-12	13	10	\$25.27	Yes	\$1,000.00	\$974.73
1605	19-Nov-12	13	11	\$26.45	Yes	\$1,000.00	\$973.55
1606	19-Nov-12	13	12	\$25.27	Yes	\$1,000.00	\$974.73
1607	19-Nov-12	14	1	\$26.20	Yes	\$1,000.00	\$973.80
1608	19-Nov-12	14	2	\$26.95	Yes	\$1,000.00	\$973.05
1609	19-Nov-12	14	3	\$26.95	Yes	\$1,000.00	\$973.05
1610	19-Nov-12	14	4	\$32.46	Yes	\$1,000.00	\$967.54
1611	19-Nov-12	14	5	\$32.46	Yes	\$1,000.00	\$967.54
1612	19-Nov-12	14	6	\$32.46	Yes	\$1,000.00	\$967.54
1613	19-Nov-12	14	7	\$32.46	Yes	\$1,000.00	\$967.54
1614	19-Nov-12	14	8	\$32.46	Yes	\$1,000.00	\$967.54
1615	19-Nov-12	14	9	\$32.46	Yes	\$1,000.00	\$967.54
1616	19-Nov-12	14	10	\$28.10	Yes	\$1,000.00	\$971.90

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1617	19-Nov-12	14	11	\$28.10	Yes	\$1,000.00	\$971.90
1618	19-Nov-12	14	12	\$28.10	Yes	\$1,000.00	\$971.90
1619	19-Nov-12	15	1	\$28.26	Yes	\$1,000.00	\$971.74
1620	19-Nov-12	15	2	\$30.42	Yes	\$1,000.00	\$969.58
1621	19-Nov-12	15	3	\$28.79	Yes	\$1,000.00	\$971.21
1622	19-Nov-12	15	4	\$29.08	Yes	\$1,000.00	\$970.92
1623	19-Nov-12	15	5	\$28.41	Yes	\$1,000.00	\$971.59
1624	19-Nov-12	15	6	\$28.10	Yes	\$1,000.00	\$971.90
1625	19-Nov-12	15	7	\$28.21	Yes	\$1,000.00	\$971.79
1626	19-Nov-12	15	8	\$28.21	Yes	\$1,000.00	\$971.79
1627	19-Nov-12	15	9	\$28.11	Yes	\$1,000.00	\$971.89
1628	19-Nov-12	15	10	\$28.27	Yes	\$1,000.00	\$971.73
1629	19-Nov-12	15	11	\$28.27	Yes	\$1,000.00	\$971.73
1630	19-Nov-12	15	12	\$28.27	Yes	\$1,000.00	\$971.73
1631	19-Nov-12	16	1	\$28.42	Yes	\$1,000.00	\$971.58
1632	19-Nov-12	16	2	\$28.42	Yes	\$1,000.00	\$971.58
1633	19-Nov-12	16	3	\$28.32	Yes	\$1,000.00	\$971.68
1634	19-Nov-12	16	4	\$28.02	Yes	\$1,000.00	\$971.98
1635	19-Nov-12	16	5	\$28.19	Yes	\$1,000.00	\$971.81
1636	19-Nov-12	16	6	\$29.22	Yes	\$1,000.00	\$970.78
1637	19-Nov-12	16	7	\$30.54	Yes	\$1,000.00	\$969.46
1638	19-Nov-12	16	8	\$29.95	Yes	\$1,000.00	\$970.05
1639	19-Nov-12	16	9	\$30.42	Yes	\$1,000.00	\$969.58
1640	19-Nov-12	16	10	\$30.42	Yes	\$1,000.00	\$969.58
1641	19-Nov-12	16	11	\$30.42	Yes	\$1,000.00	\$969.58
1642	19-Nov-12	16	12	\$32.49	Yes	\$1,000.00	\$967.51
1643	19-Nov-12	17	1	\$24.82	No	\$1,000.00	\$975.18
1644	19-Nov-12	17	2	\$26.10	No	\$1,000.00	\$973.90
1645	19-Nov-12	17	3	\$25.03	No	\$1,000.00	\$974.97
1646	19-Nov-12	17	4	\$26.21	No	\$1,000.00	\$973.79
1647	19-Nov-12	17	5	\$26.89	No	\$1,000.00	\$973.11
1648	19-Nov-12	17	6	\$26.79	No	\$1,000.00	\$973.21
1649	19-Nov-12	17	7	\$27.00	No	\$1,000.00	\$973.00
1650	19-Nov-12	17	8	\$28.19	No	\$1,000.00	\$971.81
1651	19-Nov-12	17	9	\$28.26	No	\$1,000.00	\$971.74
1652	19-Nov-12	17	10	\$32.34	No	\$1,000.00	\$967.66
1653	19-Nov-12	17	11	\$33.09	No	\$1,000.00	\$966.91
1654	19-Nov-12	17	12	\$32.47	No	\$1,000.00	\$967.53
1655	19-Nov-12	18	1	\$28.19	No	(\$30.00)	(\$58.19)
1656	19-Nov-12	18	2	\$27.08	No	(\$30.00)	(\$57.08)
1657	19-Nov-12	18	3	\$28.21	No	(\$30.00)	(\$58.21)
1658	19-Nov-12	18	4	\$31.98	No	(\$30.00)	(\$61.98)
1659	19-Nov-12	18	5	\$34.25	No	(\$30.00)	(\$64.25)
1660	19-Nov-12	18	6	\$35.93	No	(\$30.00)	(\$65.93)
1661	19-Nov-12	18	7	\$34.24	No	(\$30.00)	(\$64.24)

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1662	19-Nov-12	18	8	\$35.95	No	(\$30.00)	(\$65.95)
1663	19-Nov-12	18	9	\$42.22	No	(\$30.00)	(\$72.22)
1664	19-Nov-12	18	10	\$42.19	No	(\$30.00)	(\$72.19)
1665	19-Nov-12	18	11	\$42.40	No	(\$30.00)	(\$72.40)
1666	19-Nov-12	18	12	\$45.96	No	(\$30.00)	(\$75.96)
1667	19-Nov-12	19	1	\$42.39	No	(\$30.00)	(\$72.39)
1668	19-Nov-12	19	2	\$42.39	No	(\$30.00)	(\$72.39)
1669	19-Nov-12	19	3	\$45.30	No	(\$30.00)	(\$75.30)
1670	19-Nov-12	19	4	\$34.75	No	(\$30.00)	(\$64.75)
1671	19-Nov-12	19	5	\$34.75	No	(\$30.00)	(\$64.75)
1672	19-Nov-12	19	6	\$34.75	No	(\$30.00)	(\$64.75)
1673	19-Nov-12	19	7	\$35.44	No	(\$30.00)	(\$65.44)
1674	19-Nov-12	19	8	\$35.44	No	(\$30.00)	(\$65.44)
1675	19-Nov-12	19	9	\$41.27	No	(\$30.00)	(\$71.27)
1676	19-Nov-12	19	10	\$41.45	No	(\$30.00)	(\$71.45)
1677	19-Nov-12	19	11	\$41.18	No	(\$30.00)	(\$71.18)
1678	19-Nov-12	19	12	\$35.67	No	(\$30.00)	(\$65.67)
1679	19-Nov-12	20	1	\$47.68	No	\$1,000.00	\$952.32
1680	19-Nov-12	20	2	\$47.62	No	\$1,000.00	\$952.38
1681	19-Nov-12	20	3	\$47.62	No	\$1,000.00	\$952.38
1682	19-Nov-12	20	4	\$47.65	No	\$1,000.00	\$952.35
1683	19-Nov-12	20	5	\$46.51	No	\$1,000.00	\$953.49
1684	19-Nov-12	20	6	\$47.65	No	\$1,000.00	\$952.35
1685	19-Nov-12	20	7	\$43.76	No	\$1,000.00	\$956.24
1686	19-Nov-12	20	8	\$45.38	No	\$1,000.00	\$954.62
1687	19-Nov-12	20	9	\$43.06	No	\$1,000.00	\$956.94
1688	19-Nov-12	20	10	\$42.17	No	\$1,000.00	\$957.83
1689	19-Nov-12	20	11	\$36.06	No	\$1,000.00	\$963.94
1690	19-Nov-12	20	12	\$34.49	No	\$1,000.00	\$965.51
1691	21-Nov-12	2	1	\$29.71	Yes	\$42.53	\$12.82
1692	21-Nov-12	2	2	\$28.30	Yes	\$42.53	\$14.23
1693	21-Nov-12	2	3	\$30.38	Yes	\$42.53	\$12.15
1694	21-Nov-12	2	4	\$27.84	Yes	\$42.53	\$14.69
1695	21-Nov-12	2	5	\$27.42	Yes	\$42.53	\$15.11
1696	21-Nov-12	2	6	\$27.83	Yes	\$42.53	\$14.70
1697	21-Nov-12	2	7	\$28.72	Yes	\$42.53	\$13.81
1698	21-Nov-12	2	8	\$28.72	Yes	\$42.53	\$13.81
1699	21-Nov-12	2	9	\$28.72	Yes	\$42.53	\$13.81
1700	21-Nov-12	2	10	\$26.21	Yes	\$42.53	\$16.32
1701	21-Nov-12	2	11	\$25.36	Yes	\$42.53	\$17.17
1702	21-Nov-12	2	12	\$25.36	Yes	\$42.53	\$17.17
1703	21-Nov-12	3	1	\$19.85	Yes	\$42.53	\$22.68
1704	21-Nov-12	3	2	\$19.86	Yes	\$42.53	\$22.67
1705	21-Nov-12	3	3	\$26.27	Yes	\$42.53	\$16.26
1706	21-Nov-12	3	4	\$24.87	Yes	\$42.53	\$17.66

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1707	21-Nov-12	3	5	\$24.49	Yes	\$42.53	\$18.04
1708	21-Nov-12	3	6	\$24.87	Yes	\$42.53	\$17.66
1709	21-Nov-12	3	7	\$24.87	Yes	\$42.53	\$17.66
1710	21-Nov-12	3	8	\$24.87	Yes	\$42.53	\$17.66
1711	21-Nov-12	3	9	\$24.87	Yes	\$42.53	\$17.66
1712	21-Nov-12	3	10	\$24.85	Yes	\$42.53	\$17.68
1713	21-Nov-12	3	11	\$26.44	Yes	\$42.53	\$16.09
1714	21-Nov-12	3	12	\$27.95	Yes	\$42.53	\$14.58
1715	21-Nov-12	4	1	\$28.45	Yes	\$42.53	\$14.08
1716	21-Nov-12	4	2	\$30.69	Yes	\$42.53	\$11.84
1717	21-Nov-12	4	3	\$30.69	Yes	\$42.53	\$11.84
1718	21-Nov-12	4	4	\$30.70	Yes	\$42.53	\$11.83
1719	21-Nov-12	4	5	\$30.70	Yes	\$42.53	\$11.83
1720	21-Nov-12	4	6	\$30.70	Yes	\$42.53	\$11.83
1721	21-Nov-12	4	7	\$30.64	Yes	\$42.53	\$11.89
1722	21-Nov-12	4	8	\$30.64	Yes	\$42.53	\$11.89
1723	21-Nov-12	4	9	\$30.64	Yes	\$42.53	\$11.89
1724	21-Nov-12	4	10	\$33.00	Yes	\$42.53	\$9.53
1725	21-Nov-12	4	11	\$33.00	Yes	\$42.53	\$9.53
1726	21-Nov-12	4	12	\$35.58	Yes	\$42.53	\$6.95
1727	21-Nov-12	5	1	\$33.01	Yes	\$42.53	\$9.52
1728	21-Nov-12	5	2	\$39.02	Yes	\$42.53	\$3.51
1729	21-Nov-12	5	3	\$45.85	Yes	\$42.53	(\$3.32)
1730	21-Nov-12	5	4	\$46.05	Yes	\$42.53	(\$3.52)
1731	21-Nov-12	5	5	\$45.48	Yes	\$42.53	(\$2.95)
1732	21-Nov-12	5	6	\$42.34	Yes	\$42.53	\$0.19
1733	21-Nov-12	5	7	\$40.23	Yes	\$42.53	\$2.30
1734	21-Nov-12	5	8	\$39.82	Yes	\$42.53	\$2.71
1735	21-Nov-12	5	9	\$40.23	Yes	\$42.53	\$2.30
1736	21-Nov-12	5	10	\$46.27	Yes	\$42.53	(\$3.74)
1737	21-Nov-12	5	11	\$44.34	Yes	\$42.53	(\$1.81)
1738	21-Nov-12	5	12	\$46.27	Yes	\$42.53	(\$3.74)
1739	21-Nov-12	6	1	\$37.68	Yes	\$42.53	\$4.85
1740	21-Nov-12	6	2	\$37.25	Yes	\$42.53	\$5.28
1741	21-Nov-12	6	3	\$37.25	Yes	\$42.53	\$5.28
1742	21-Nov-12	6	4	\$36.25	Yes	\$42.53	\$6.28
1743	21-Nov-12	6	5	\$36.24	Yes	\$42.53	\$6.29
1744	21-Nov-12	6	6	\$34.16	Yes	\$42.53	\$8.37
1745	21-Nov-12	6	7	\$36.22	Yes	\$42.53	\$6.31
1746	21-Nov-12	6	8	\$38.30	Yes	\$42.53	\$4.23
1747	21-Nov-12	6	9	\$41.31	Yes	\$42.53	\$1.22
1748	21-Nov-12	6	10	\$41.37	Yes	\$42.53	\$1.16
1749	21-Nov-12	6	11	\$41.37	Yes	\$42.53	\$1.16
1750	21-Nov-12	6	12	\$45.53	Yes	\$42.53	(\$3.00)
1751	21-Nov-12	7	1	\$30.04	Yes	\$42.53	\$12.49

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1752	21-Nov-12	7	2	\$28.66	Yes	\$42.53	\$13.87
1753	21-Nov-12	7	3	\$28.20	Yes	\$42.53	\$14.33
1754	21-Nov-12	7	4	\$34.89	Yes	\$42.53	\$7.64
1755	21-Nov-12	7	5	\$35.07	Yes	\$42.53	\$7.46
1756	21-Nov-12	7	6	\$38.66	Yes	\$42.53	\$3.87
1757	21-Nov-12	7	7	\$38.23	Yes	\$42.53	\$4.30
1758	21-Nov-12	7	8	\$39.16	Yes	\$42.53	\$3.37
1759	21-Nov-12	7	9	\$40.29	Yes	\$42.53	\$2.24
1760	21-Nov-12	7	10	\$39.27	Yes	\$42.53	\$3.26
1761	21-Nov-12	7	11	\$38.34	Yes	\$42.53	\$4.19
1762	21-Nov-12	7	12	\$34.25	Yes	\$42.53	\$8.28
1763	21-Nov-12	8	1	\$27.01	Yes	\$42.53	\$15.52
1764	21-Nov-12	8	2	\$27.01	Yes	\$42.53	\$15.52
1765	21-Nov-12	8	3	\$27.30	Yes	\$42.53	\$15.23
1766	21-Nov-12	8	4	\$29.20	Yes	\$42.53	\$13.33
1767	21-Nov-12	8	5	\$33.10	Yes	\$42.53	\$9.43
1768	21-Nov-12	8	6	\$33.67	Yes	\$42.53	\$8.86
1769	21-Nov-12	8	7	\$27.94	Yes	\$42.53	\$14.59
1770	21-Nov-12	8	8	\$28.23	Yes	\$42.53	\$14.30
1771	21-Nov-12	8	9	\$28.46	Yes	\$42.53	\$14.07
1772	21-Nov-12	8	10	\$13.40	Yes	\$42.53	\$29.13
1773	21-Nov-12	8	11	(\$13.82)	Yes	\$42.53	\$56.35
1774	21-Nov-12	8	12	\$11.68	Yes	\$42.53	\$30.85
1775	21-Nov-12	9	1	\$26.70	Yes	\$42.53	\$15.83
1776	21-Nov-12	9	2	\$33.07	Yes	\$42.53	\$9.46
1777	21-Nov-12	9	3	\$34.97	Yes	\$42.53	\$7.56
1778	21-Nov-12	9	4	\$34.97	Yes	\$42.53	\$7.56
1779	21-Nov-12	9	5	\$292.77	Yes	\$42.53	(\$250.24)
1780	21-Nov-12	9	6	\$292.77	Yes	\$42.53	(\$250.24)
1781	21-Nov-12	9	7	\$292.77	Yes	\$42.53	(\$250.24)
1782	21-Nov-12	9	8	\$969.98	Yes	\$42.53	(\$927.45)
1783	21-Nov-12	9	9	\$736.40	Yes	\$42.53	(\$693.87)
1784	21-Nov-12	9	10	(\$0.06)	Yes	\$42.53	\$42.59
1785	21-Nov-12	9	11	\$57.93	Yes	\$42.53	(\$15.40)
1786	21-Nov-12	9	12	(\$20.43)	Yes	\$42.53	\$62.96
1787	21-Nov-12	10	1	\$46.84	Yes	\$42.53	(\$4.31)
1788	21-Nov-12	10	2	\$38.43	Yes	\$42.53	\$4.10
1789	21-Nov-12	10	3	\$35.55	Yes	\$42.53	\$6.98
1790	21-Nov-12	10	4	(\$287.11)	Yes	\$42.53	\$329.64
1791	21-Nov-12	10	5	(\$1.35)	Yes	\$42.53	\$43.88
1792	21-Nov-12	10	6	\$6.96	Yes	\$42.53	\$35.57
1793	21-Nov-12	10	7	\$34.85	Yes	\$42.53	\$7.68
1794	21-Nov-12	10	8	\$28.16	Yes	\$42.53	\$14.37
1795	21-Nov-12	10	9	\$27.44	Yes	\$42.53	\$15.09
1796	21-Nov-12	10	10	\$22.73	Yes	\$42.53	\$19.80

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1797	21-Nov-12	10	11	\$22.74	Yes	\$42.53	\$19.79
1798	21-Nov-12	10	12	\$27.56	Yes	\$42.53	\$14.97
1799	21-Nov-12	11	1	\$35.12	Yes	\$42.53	\$7.41
1800	21-Nov-12	11	2	\$39.44	Yes	\$42.53	\$3.09
1801	21-Nov-12	11	3	\$42.17	Yes	\$42.53	\$0.36
1802	21-Nov-12	11	4	\$30.32	Yes	\$42.53	\$12.21
1803	21-Nov-12	11	5	\$37.52	Yes	\$42.53	\$5.01
1804	21-Nov-12	11	6	\$43.09	Yes	\$42.53	(\$0.56)
1805	21-Nov-12	11	7	\$28.21	Yes	\$42.53	\$14.32
1806	21-Nov-12	11	8	\$28.36	Yes	\$42.53	\$14.17
1807	21-Nov-12	11	9	\$28.22	Yes	\$42.53	\$14.31
1808	21-Nov-12	11	10	\$28.32	Yes	\$42.53	\$14.21
1809	21-Nov-12	11	11	\$27.55	Yes	\$42.53	\$14.98
1810	21-Nov-12	11	12	\$27.53	Yes	\$42.53	\$15.00
1811	21-Nov-12	12	1	\$27.43	Yes	\$42.53	\$15.10
1812	21-Nov-12	12	2	\$23.14	Yes	\$42.53	\$19.39
1813	21-Nov-12	12	3	\$20.05	Yes	\$42.53	\$22.48
1814	21-Nov-12	12	4	\$32.45	Yes	\$42.53	\$10.08
1815	21-Nov-12	12	5	\$40.52	Yes	\$42.53	\$2.01
1816	21-Nov-12	12	6	\$35.49	Yes	\$42.53	\$7.04
1817	21-Nov-12	12	7	\$38.99	Yes	\$42.53	\$3.54
1818	21-Nov-12	12	8	\$43.30	Yes	\$42.53	(\$0.77)
1819	21-Nov-12	12	9	\$42.53	Yes	\$42.53	\$0.00
1820	21-Nov-12	12	10	\$26.53	Yes	\$42.53	\$16.00
1821	21-Nov-12	12	11	\$31.53	Yes	\$42.53	\$11.00
1822	21-Nov-12	12	12	\$31.53	Yes	\$42.53	\$11.00
1823	21-Nov-12	13	1	(\$15.08)	Yes	\$42.53	\$57.61
1824	21-Nov-12	13	2	\$35.45	Yes	\$42.53	\$7.08
1825	21-Nov-12	13	3	\$42.53	Yes	\$42.53	\$0.00
1826	21-Nov-12	13	4	\$24.23	Yes	\$42.53	\$18.30
1827	21-Nov-12	13	5	\$25.02	Yes	\$42.53	\$17.51
1828	21-Nov-12	13	6	(\$11.27)	Yes	\$42.53	\$53.80
1829	21-Nov-12	13	7	(\$2.01)	Yes	\$42.53	\$44.54
1830	21-Nov-12	13	8	(\$23.89)	Yes	\$42.53	\$66.42
1831	21-Nov-12	13	9	(\$35.12)	Yes	\$42.53	\$77.65
1832	21-Nov-12	13	10	(\$30.29)	Yes	\$42.53	\$72.82
1833	21-Nov-12	13	11	\$16.41	Yes	\$42.53	\$26.12
1834	21-Nov-12	13	12	\$27.56	Yes	\$42.53	\$14.97
1835	21-Nov-12	14	1	\$38.81	Yes	\$42.53	\$3.72
1836	21-Nov-12	14	2	\$43.22	Yes	\$42.53	(\$0.69)
1837	21-Nov-12	14	3	\$46.78	Yes	\$42.53	(\$4.25)
1838	21-Nov-12	14	4	\$44.01	Yes	\$42.53	(\$1.48)
1839	21-Nov-12	14	5	\$42.87	Yes	\$42.53	(\$0.34)
1840	21-Nov-12	14	6	\$42.10	Yes	\$42.53	\$0.43
1841	21-Nov-12	14	7	\$42.53	Yes	\$42.53	\$0.00

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1842	21-Nov-12	14	8	\$42.53	Yes	\$42.53	\$0.00
1843	21-Nov-12	14	9	\$40.37	Yes	\$42.53	\$2.16
1844	21-Nov-12	14	10	\$42.53	Yes	\$42.53	\$0.00
1845	21-Nov-12	14	11	\$39.61	Yes	\$42.53	\$2.92
1846	21-Nov-12	14	12	\$38.28	Yes	\$42.53	\$4.25
1847	21-Nov-12	15	1	\$29.28	Yes	\$42.53	\$13.25
1848	21-Nov-12	15	2	\$27.53	Yes	\$42.53	\$15.00
1849	21-Nov-12	15	3	\$27.50	Yes	\$42.53	\$15.03
1850	21-Nov-12	15	4	\$28.18	Yes	\$42.53	\$14.35
1851	21-Nov-12	15	5	\$27.45	Yes	\$42.53	\$15.08
1852	21-Nov-12	15	6	\$28.16	Yes	\$42.53	\$14.37
1853	21-Nov-12	15	7	\$28.23	Yes	\$42.53	\$14.30
1854	21-Nov-12	15	8	\$33.11	Yes	\$42.53	\$9.42
1855	21-Nov-12	15	9	\$33.11	Yes	\$42.53	\$9.42
1856	21-Nov-12	15	10	\$29.22	Yes	\$42.53	\$13.31
1857	21-Nov-12	15	11	\$30.27	Yes	\$42.53	\$12.26
1858	21-Nov-12	15	12	\$29.22	Yes	\$42.53	\$13.31
1859	21-Nov-12	16	1	\$29.86	Yes	\$42.53	\$12.67
1860	21-Nov-12	16	2	\$38.72	Yes	\$42.53	\$3.81
1861	21-Nov-12	16	3	\$44.93	Yes	\$42.53	(\$2.40)
1862	21-Nov-12	16	4	\$39.04	Yes	\$42.53	\$3.49
1863	21-Nov-12	16	5	\$39.04	Yes	\$42.53	\$3.49
1864	21-Nov-12	16	6	\$38.57	Yes	\$42.53	\$3.96
1865	21-Nov-12	16	7	\$33.09	Yes	\$42.53	\$9.44
1866	21-Nov-12	16	8	\$37.22	Yes	\$42.53	\$5.31
1867	21-Nov-12	16	9	\$38.90	Yes	\$42.53	\$3.63
1868	21-Nov-12	16	10	\$39.30	Yes	\$42.53	\$3.23
1869	21-Nov-12	16	11	\$39.30	Yes	\$42.53	\$3.23
1870	21-Nov-12	16	12	\$42.11	Yes	\$42.53	\$0.42
1871	21-Nov-12	17	1	\$37.22	Yes	\$42.53	\$5.31
1872	21-Nov-12	17	2	\$38.57	Yes	\$42.53	\$3.96
1873	21-Nov-12	17	3	\$38.97	Yes	\$42.53	\$3.56
1874	21-Nov-12	17	4	\$42.53	Yes	\$42.53	\$0.00
1875	21-Nov-12	17	5	\$44.84	Yes	\$42.53	(\$2.31)
1876	21-Nov-12	17	6	\$45.07	Yes	\$42.53	(\$2.54)
1877	21-Nov-12	17	7	\$40.01	Yes	\$42.53	\$2.52
1878	21-Nov-12	17	8	\$42.88	Yes	\$42.53	(\$0.35)
1879	21-Nov-12	17	9	\$42.88	Yes	\$42.53	(\$0.35)
1880	21-Nov-12	17	10	\$42.87	Yes	\$42.53	(\$0.34)
1881	21-Nov-12	17	11	\$48.05	Yes	\$42.53	(\$5.52)
1882	21-Nov-12	17	12	\$51.91	Yes	\$42.53	(\$9.38)
1883	21-Nov-12	18	1	\$44.49	Yes	\$42.53	(\$1.96)
1884	21-Nov-12	18	2	\$44.46	Yes	\$42.53	(\$1.93)
1885	21-Nov-12	18	3	\$43.80	Yes	\$42.53	(\$1.27)
1886	21-Nov-12	18	4	\$47.32	Yes	\$42.53	(\$4.79)

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1887	21-Nov-12	18	5	\$47.30	Yes	\$42.53	(\$4.77)
1888	21-Nov-12	18	6	\$47.30	Yes	\$42.53	(\$4.77)
1889	21-Nov-12	18	7	\$48.00	Yes	\$42.53	(\$5.47)
1890	21-Nov-12	18	8	\$48.00	Yes	\$42.53	(\$5.47)
1891	21-Nov-12	18	9	\$48.45	Yes	\$42.53	(\$5.92)
1892	21-Nov-12	18	10	\$48.13	Yes	\$42.53	(\$5.60)
1893	21-Nov-12	18	11	\$48.05	Yes	\$42.53	(\$5.52)
1894	21-Nov-12	18	12	\$47.81	Yes	\$42.53	(\$5.28)
1895	21-Nov-12	19	1	\$47.87	Yes	\$42.53	(\$5.34)
1896	21-Nov-12	19	2	\$47.40	Yes	\$42.53	(\$4.87)
1897	21-Nov-12	19	3	\$47.12	Yes	\$42.53	(\$4.59)
1898	21-Nov-12	19	4	\$46.48	Yes	\$42.53	(\$3.95)
1899	21-Nov-12	19	5	\$46.48	Yes	\$42.53	(\$3.95)
1900	21-Nov-12	19	6	\$46.95	Yes	\$42.53	(\$4.42)
1901	21-Nov-12	19	7	\$46.79	Yes	\$42.53	(\$4.26)
1902	21-Nov-12	19	8	\$40.99	Yes	\$42.53	\$1.54
1903	21-Nov-12	19	9	\$40.87	Yes	\$42.53	\$1.66
1904	21-Nov-12	19	10	\$42.93	Yes	\$42.53	(\$0.40)
1905	21-Nov-12	19	11	\$40.52	Yes	\$42.53	\$2.01
1906	21-Nov-12	19	12	\$40.00	Yes	\$42.53	\$2.53
1907	21-Nov-12	20	1	\$54.56	Yes	\$42.53	(\$12.03)
1908	21-Nov-12	20	2	\$52.97	Yes	\$42.53	(\$10.44)
1909	21-Nov-12	20	3	\$49.79	Yes	\$42.53	(\$7.26)
1910	21-Nov-12	20	4	\$51.72	Yes	\$42.53	(\$9.19)
1911	21-Nov-12	20	5	\$49.86	Yes	\$42.53	(\$7.33)
1912	21-Nov-12	20	6	\$53.79	Yes	\$42.53	(\$11.26)
1913	21-Nov-12	20	7	\$97.52	Yes	\$42.53	(\$54.99)
1914	21-Nov-12	20	8	\$57.04	Yes	\$42.53	(\$14.51)
1915	21-Nov-12	20	9	\$57.04	Yes	\$42.53	(\$14.51)
1916	21-Nov-12	20	10	\$53.15	Yes	\$42.53	(\$10.62)
1917	21-Nov-12	20	11	\$51.84	Yes	\$42.53	(\$9.31)
1918	21-Nov-12	20	12	\$47.63	Yes	\$42.53	(\$5.10)
1919	21-Nov-12	21	1	\$52.12	Yes	\$42.53	(\$9.59)
1920	21-Nov-12	21	2	\$52.26	Yes	\$42.53	(\$9.73)
1921	21-Nov-12	21	3	\$58.25	Yes	\$42.53	(\$15.72)
1922	21-Nov-12	21	4	\$51.17	Yes	\$42.53	(\$8.64)
1923	21-Nov-12	21	5	\$51.17	Yes	\$42.53	(\$8.64)
1924	21-Nov-12	21	6	\$48.14	Yes	\$42.53	(\$5.61)
1925	21-Nov-12	21	7	\$47.09	Yes	\$42.53	(\$4.56)
1926	21-Nov-12	21	8	\$46.82	Yes	\$42.53	(\$4.29)
1927	21-Nov-12	21	9	\$46.37	Yes	\$42.53	(\$3.84)
1928	21-Nov-12	21	10	\$44.49	Yes	\$42.53	(\$1.96)
1929	21-Nov-12	21	11	\$44.41	Yes	\$42.53	(\$1.88)
1930	21-Nov-12	21	12	\$42.53	Yes	\$42.53	\$0.00
1931	21-Nov-12	22	1	\$42.53	Yes	\$42.53	\$0.00

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1932	21-Nov-12	22	2	\$37.18	Yes	\$42.53	\$5.35
1933	21-Nov-12	22	3	\$34.86	Yes	\$42.53	\$7.67
1934	21-Nov-12	22	4	\$33.07	Yes	\$42.53	\$9.46
1935	21-Nov-12	22	5	\$34.85	Yes	\$42.53	\$7.68
1936	21-Nov-12	22	6	\$29.10	Yes	\$42.53	\$13.43
1937	21-Nov-12	22	7	\$35.66	Yes	\$42.53	\$6.87
1938	21-Nov-12	22	8	\$37.15	Yes	\$42.53	\$5.38
1939	21-Nov-12	22	9	\$37.16	Yes	\$42.53	\$5.37
1940	21-Nov-12	22	10	\$35.58	Yes	\$42.53	\$6.95
1941	21-Nov-12	22	11	\$35.58	Yes	\$42.53	\$6.95
1942	21-Nov-12	22	12	\$35.58	Yes	\$42.53	\$6.95
1943	21-Nov-12	23	1	\$34.89	Yes	\$42.53	\$7.64
1944	21-Nov-12	23	2	\$35.58	Yes	\$42.53	\$6.95
1945	21-Nov-12	23	3	\$36.13	Yes	\$42.53	\$6.40
1946	21-Nov-12	23	4	\$36.45	Yes	\$42.53	\$6.08
1947	21-Nov-12	23	5	\$33.06	Yes	\$42.53	\$9.47
1948	21-Nov-12	23	6	\$32.43	Yes	\$42.53	\$10.10
1949	21-Nov-12	23	7	\$30.14	Yes	\$42.53	\$12.39
1950	21-Nov-12	23	8	\$28.38	Yes	\$42.53	\$14.15
1951	21-Nov-12	23	9	\$27.25	Yes	\$42.53	\$15.28
1952	21-Nov-12	23	10	\$23.55	Yes	\$42.53	\$18.98
1953	21-Nov-12	23	11	\$24.97	Yes	\$42.53	\$17.56
1954	21-Nov-12	23	12	\$28.07	Yes	\$42.53	\$14.46
1955	21-Nov-12	24	1	\$27.11	Yes	\$42.53	\$15.42
1956	21-Nov-12	24	2	\$27.11	Yes	\$42.53	\$15.42
1957	21-Nov-12	24	3	\$27.12	Yes	\$42.53	\$15.41
1958	21-Nov-12	24	4	\$27.06	Yes	\$42.53	\$15.47
1959	21-Nov-12	24	5	\$27.06	Yes	\$42.53	\$15.47
1960	21-Nov-12	24	6	\$26.59	Yes	\$42.53	\$15.94
1961	21-Nov-12	24	7	\$27.05	Yes	\$42.53	\$15.48
1962	21-Nov-12	24	8	\$27.06	Yes	\$42.53	\$15.47
1963	21-Nov-12	24	9	\$27.06	Yes	\$42.53	\$15.47
1964	21-Nov-12	24	10	\$27.08	Yes	\$42.53	\$15.45
1965	21-Nov-12	24	11	\$27.00	Yes	\$42.53	\$15.53
1966	21-Nov-12	24	12	\$25.07	Yes	\$42.53	\$17.46
1967	26-Nov-12	7	1	\$26.56	Yes	\$42.53	\$15.97
1968	26-Nov-12	7	2	\$26.56	Yes	\$42.53	\$15.97
1969	26-Nov-12	7	3	\$27.33	Yes	\$42.53	\$15.20
1970	26-Nov-12	7	4	\$27.33	Yes	\$42.53	\$15.20
1971	26-Nov-12	7	5	\$30.77	Yes	\$42.53	\$11.76
1972	26-Nov-12	7	6	\$29.52	Yes	\$42.53	\$13.01
1973	26-Nov-12	7	7	\$33.25	Yes	\$42.53	\$9.28
1974	26-Nov-12	7	8	\$34.43	Yes	\$42.53	\$8.10
1975	26-Nov-12	7	9	\$53.41	Yes	\$42.53	(\$10.88)
1976	26-Nov-12	7	10	\$150.34	Yes	\$42.53	(\$107.81)

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1977	26-Nov-12	7	11	\$2,218.40	Yes	\$42.53	(\$2,175.87)
1978	26-Nov-12	7	12	\$2,217.14	Yes	\$42.53	(\$2,174.61)
1979	26-Nov-12	8	1	\$69.41	Yes	\$42.53	(\$26.88)
1980	26-Nov-12	8	2	\$100.91	Yes	\$42.53	(\$58.38)
1981	26-Nov-12	8	3	\$81.64	Yes	\$42.53	(\$39.11)
1982	26-Nov-12	8	4	\$71.20	Yes	\$42.53	(\$28.67)
1983	26-Nov-12	8	5	\$71.20	Yes	\$42.53	(\$28.67)
1984	26-Nov-12	8	6	\$55.62	Yes	\$42.53	(\$13.09)
1985	26-Nov-12	8	7	\$54.20	Yes	\$42.53	(\$11.67)
1986	26-Nov-12	8	8	\$54.22	Yes	\$42.53	(\$11.69)
1987	26-Nov-12	8	9	\$54.22	Yes	\$42.53	(\$11.69)
1988	26-Nov-12	8	10	\$55.34	Yes	\$42.53	(\$12.81)
1989	26-Nov-12	8	11	\$55.49	Yes	\$42.53	(\$12.96)
1990	26-Nov-12	8	12	\$71.68	Yes	\$42.53	(\$29.15)
1991	26-Nov-12	9	1	\$36.75	Yes	\$42.53	\$5.78
1992	26-Nov-12	9	2	\$41.30	Yes	\$42.53	\$1.23
1993	26-Nov-12	9	3	\$55.15	Yes	\$42.53	(\$12.62)
1994	26-Nov-12	9	4	\$55.42	Yes	\$42.53	(\$12.89)
1995	26-Nov-12	9	5	\$55.36	Yes	\$42.53	(\$12.83)
1996	26-Nov-12	9	6	\$69.23	Yes	\$42.53	(\$26.70)
1997	26-Nov-12	9	7	\$55.45	Yes	\$42.53	(\$12.92)
1998	26-Nov-12	9	8	\$55.99	Yes	\$42.53	(\$13.46)
1999	26-Nov-12	9	9	\$55.60	Yes	\$42.53	(\$13.07)
2000	26-Nov-12	9	10	\$108.77	Yes	\$42.53	(\$66.24)
2001	26-Nov-12	9	11	\$64.52	Yes	\$42.53	(\$21.99)
2002	26-Nov-12	9	12	\$64.52	Yes	\$42.53	(\$21.99)
2003	26-Nov-12	10	1	\$49.60	Yes	\$42.53	(\$7.07)
2004	26-Nov-12	10	2	\$49.60	Yes	\$42.53	(\$7.07)
2005	26-Nov-12	10	3	\$60.99	Yes	\$42.53	(\$18.46)
2006	26-Nov-12	10	4	\$60.59	Yes	\$42.53	(\$18.06)
2007	26-Nov-12	10	5	\$61.29	Yes	\$42.53	(\$18.76)
2008	26-Nov-12	10	6	\$61.28	Yes	\$42.53	(\$18.75)
2009	26-Nov-12	10	7	\$63.94	Yes	\$42.53	(\$21.41)
2010	26-Nov-12	10	8	\$63.94	Yes	\$42.53	(\$21.41)
2011	26-Nov-12	10	9	\$67.86	Yes	\$42.53	(\$25.33)
2012	26-Nov-12	10	10	\$62.12	Yes	\$42.53	(\$19.59)
2013	26-Nov-12	10	11	\$62.12	Yes	\$42.53	(\$19.59)
2014	26-Nov-12	10	12	\$62.13	Yes	\$42.53	(\$19.60)
2015	26-Nov-12	11	1	\$42.53	Yes	\$42.53	\$0.00
2016	26-Nov-12	11	2	\$49.59	Yes	\$42.53	(\$7.06)
2017	26-Nov-12	11	3	\$49.59	Yes	\$42.53	(\$7.06)
2018	26-Nov-12	11	4	\$42.53	Yes	\$42.53	\$0.00
2019	26-Nov-12	11	5	\$41.52	Yes	\$42.53	\$1.01
2020	26-Nov-12	11	6	\$62.33	Yes	\$42.53	(\$19.80)
2021	26-Nov-12	11	7	\$62.23	Yes	\$42.53	(\$19.70)

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2022	26-Nov-12	11	8	\$62.29	Yes	\$42.53	(\$19.76)
2023	26-Nov-12	11	9	\$62.27	Yes	\$42.53	(\$19.74)
2024	26-Nov-12	11	10	\$67.83	Yes	\$42.53	(\$25.30)
2025	26-Nov-12	11	11	\$57.58	Yes	\$42.53	(\$15.05)
2026	26-Nov-12	11	12	\$59.13	Yes	\$42.53	(\$16.60)
2027	26-Nov-12	12	1	\$55.62	Yes	\$42.53	(\$13.09)
2028	26-Nov-12	12	2	\$55.62	Yes	\$42.53	(\$13.09)
2029	26-Nov-12	12	3	\$42.53	Yes	\$42.53	\$0.00
2030	26-Nov-12	12	4	\$42.51	Yes	\$42.53	\$0.02
2031	26-Nov-12	12	5	\$42.53	Yes	\$42.53	\$0.00
2032	26-Nov-12	12	6	\$42.53	Yes	\$42.53	\$0.00
2033	26-Nov-12	12	7	\$45.33	Yes	\$42.53	(\$2.80)
2034	26-Nov-12	12	8	\$49.33	Yes	\$42.53	(\$6.80)
2035	26-Nov-12	12	9	\$49.33	Yes	\$42.53	(\$6.80)
2036	26-Nov-12	12	10	\$34.07	Yes	\$42.53	\$8.46
2037	26-Nov-12	12	11	\$31.95	Yes	\$42.53	\$10.58
2038	26-Nov-12	12	12	\$153.00	Yes	\$42.53	(\$110.47)
2039	26-Nov-12	13	1	\$55.49	Yes	\$42.53	(\$12.96)
2040	26-Nov-12	13	2	\$50.34	Yes	\$42.53	(\$7.81)
2041	26-Nov-12	13	3	\$56.19	Yes	\$42.53	(\$13.66)
2042	26-Nov-12	13	4	\$45.32	Yes	\$42.53	(\$2.79)
2043	26-Nov-12	13	5	\$57.54	Yes	\$42.53	(\$15.01)
2044	26-Nov-12	13	6	\$57.75	Yes	\$42.53	(\$15.22)
2045	26-Nov-12	13	7	\$49.60	Yes	\$42.53	(\$7.07)
2046	26-Nov-12	13	8	\$61.41	Yes	\$42.53	(\$18.88)
2047	26-Nov-12	13	9	\$61.40	Yes	\$42.53	(\$18.87)
2048	26-Nov-12	13	10	\$77.22	Yes	\$42.53	(\$34.69)
2049	26-Nov-12	13	11	\$77.23	Yes	\$42.53	(\$34.70)
2050	26-Nov-12	13	12	\$61.63	Yes	\$42.53	(\$19.10)
2051	26-Nov-12	14	1	\$54.29	Yes	\$42.53	(\$11.76)
2052	26-Nov-12	14	2	\$54.29	Yes	\$42.53	(\$11.76)
2053	26-Nov-12	14	3	\$53.97	Yes	\$42.53	(\$11.44)
2054	26-Nov-12	14	4	\$54.31	Yes	\$42.53	(\$11.78)
2055	26-Nov-12	14	5	\$54.79	Yes	\$42.53	(\$12.26)
2056	26-Nov-12	14	6	\$54.73	Yes	\$42.53	(\$12.20)
2057	26-Nov-12	14	7	\$62.73	Yes	\$42.53	(\$20.20)
2058	26-Nov-12	14	8	\$61.68	Yes	\$42.53	(\$19.15)
2059	26-Nov-12	14	9	\$57.02	Yes	\$42.53	(\$14.49)
2060	26-Nov-12	14	10	\$56.00	Yes	\$42.53	(\$13.47)
2061	26-Nov-12	14	11	\$68.36	Yes	\$42.53	(\$25.83)
2062	26-Nov-12	14	12	\$66.14	Yes	\$42.53	(\$23.61)
2063	26-Nov-12	15	1	\$56.16	Yes	\$42.53	(\$13.63)
2064	26-Nov-12	15	2	\$55.74	Yes	\$42.53	(\$13.21)
2065	26-Nov-12	15	3	\$54.70	Yes	\$42.53	(\$12.17)
2066	26-Nov-12	15	4	\$57.32	Yes	\$42.53	(\$14.79)

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2067	26-Nov-12	15	5	\$65.75	Yes	\$42.53	(\$23.22)
2068	26-Nov-12	15	6	\$56.85	Yes	\$42.53	(\$14.32)
2069	26-Nov-12	15	7	\$61.20	Yes	\$42.53	(\$18.67)
2070	26-Nov-12	15	8	\$61.19	Yes	\$42.53	(\$18.66)
2071	26-Nov-12	15	9	\$60.97	Yes	\$42.53	(\$18.44)
2072	26-Nov-12	15	10	\$60.33	Yes	\$42.53	(\$17.80)
2073	26-Nov-12	15	11	\$40.28	Yes	\$42.53	\$2.25
2074	26-Nov-12	15	12	\$36.10	Yes	\$42.53	\$6.43
2075	26-Nov-12	16	1	\$42.53	Yes	\$42.53	\$0.00
2076	26-Nov-12	16	2	\$38.93	Yes	\$42.53	\$3.60
2077	26-Nov-12	16	3	\$50.08	Yes	\$42.53	(\$7.55)
2078	26-Nov-12	16	4	\$42.53	Yes	\$42.53	\$0.00
2079	26-Nov-12	16	5	\$50.55	Yes	\$42.53	(\$8.02)
2080	26-Nov-12	16	6	\$42.53	Yes	\$42.53	\$0.00
2081	26-Nov-12	16	7	\$41.39	Yes	\$42.53	\$1.14
2082	26-Nov-12	16	8	\$42.53	Yes	\$42.53	\$0.00
2083	26-Nov-12	16	9	\$52.46	Yes	\$42.53	(\$9.93)
2084	26-Nov-12	16	10	\$55.83	Yes	\$42.53	(\$13.30)
2085	26-Nov-12	16	11	\$56.45	Yes	\$42.53	(\$13.92)
2086	26-Nov-12	16	12	\$54.84	Yes	\$42.53	(\$12.31)
2087	26-Nov-12	17	1	\$34.21	Yes	\$42.53	\$8.32
2088	26-Nov-12	17	2	\$42.53	Yes	\$42.53	\$0.00
2089	26-Nov-12	17	3	\$47.07	Yes	\$42.53	(\$4.54)
2090	26-Nov-12	17	4	\$36.13	Yes	\$42.53	\$6.40
2091	26-Nov-12	17	5	\$37.98	Yes	\$42.53	\$4.55
2092	26-Nov-12	17	6	\$47.08	Yes	\$42.53	(\$4.55)
2093	26-Nov-12	17	7	\$47.20	Yes	\$42.53	(\$4.67)
2094	26-Nov-12	17	8	\$47.18	Yes	\$42.53	(\$4.65)
2095	26-Nov-12	17	9	\$52.92	Yes	\$42.53	(\$10.39)
2096	26-Nov-12	17	10	\$78.44	Yes	\$42.53	(\$35.91)
2097	26-Nov-12	17	11	\$66.76	Yes	\$42.53	(\$24.23)
2098	26-Nov-12	17	12	\$77.49	Yes	\$42.53	(\$34.96)
2099	26-Nov-12	18	1	\$50.08	Yes	\$42.53	(\$7.55)
2100	26-Nov-12	18	2	\$47.17	Yes	\$42.53	(\$4.64)
2101	26-Nov-12	18	3	\$50.92	Yes	\$42.53	(\$8.39)
2102	26-Nov-12	18	4	\$66.70	Yes	\$42.53	(\$24.17)
2103	26-Nov-12	18	5	\$76.35	Yes	\$42.53	(\$33.82)
2104	26-Nov-12	18	6	\$77.70	Yes	\$42.53	(\$35.17)
2105	26-Nov-12	18	7	\$71.53	Yes	\$42.53	(\$29.00)
2106	26-Nov-12	18	8	\$76.36	Yes	\$42.53	(\$33.83)
2107	26-Nov-12	18	9	\$71.53	Yes	\$42.53	(\$29.00)
2108	26-Nov-12	18	10	\$71.53	Yes	\$42.53	(\$29.00)
2109	26-Nov-12	18	11	\$76.36	Yes	\$42.53	(\$33.83)
2110	26-Nov-12	18	12	\$76.36	Yes	\$42.53	(\$33.83)
2111	26-Nov-12	19	1	\$66.73	Yes	\$42.53	(\$24.20)

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2112	26-Nov-12	19	2	\$77.67	Yes	\$42.53	(\$35.14)
2113	26-Nov-12	19	3	\$90.04	Yes	\$42.53	(\$47.51)
2114	26-Nov-12	19	4	\$90.28	Yes	\$42.53	(\$47.75)
2115	26-Nov-12	19	5	\$87.87	Yes	\$42.53	(\$45.34)
2116	26-Nov-12	19	6	\$71.54	Yes	\$42.53	(\$29.01)
2117	26-Nov-12	19	7	\$76.38	Yes	\$42.53	(\$33.85)
2118	26-Nov-12	19	8	\$71.54	Yes	\$42.53	(\$29.01)
2119	26-Nov-12	19	9	\$71.54	Yes	\$42.53	(\$29.01)
2120	26-Nov-12	19	10	\$71.54	Yes	\$42.53	(\$29.01)
2121	26-Nov-12	19	11	\$76.37	Yes	\$42.53	(\$33.84)
2122	26-Nov-12	19	12	\$81.20	Yes	\$42.53	(\$38.67)
2123	26-Nov-12	20	1	\$53.56	Yes	\$42.53	(\$11.03)
2124	26-Nov-12	20	2	\$47.78	Yes	\$42.53	(\$5.25)
2125	26-Nov-12	20	3	\$48.39	Yes	\$42.53	(\$5.86)
2126	26-Nov-12	20	4	\$52.50	Yes	\$42.53	(\$9.97)
2127	26-Nov-12	20	5	\$54.64	Yes	\$42.53	(\$12.11)
2128	26-Nov-12	20	6	\$54.81	Yes	\$42.53	(\$12.28)
2129	26-Nov-12	20	7	\$47.18	Yes	\$42.53	(\$4.65)
2130	26-Nov-12	20	8	\$47.18	Yes	\$42.53	(\$4.65)
2131	26-Nov-12	20	9	\$47.18	Yes	\$42.53	(\$4.65)
2132	26-Nov-12	20	10	\$51.95	Yes	\$42.53	(\$9.42)
2133	26-Nov-12	20	11	\$44.97	Yes	\$42.53	(\$2.44)
2134	26-Nov-12	20	12	\$42.53	Yes	\$42.53	\$0.00
2135	26-Nov-12	21	1	\$55.05	Yes	\$42.53	(\$12.52)
2136	26-Nov-12	21	2	\$53.44	Yes	\$42.53	(\$10.91)
2137	26-Nov-12	21	3	\$54.56	Yes	\$42.53	(\$12.03)
2138	26-Nov-12	21	4	\$38.49	Yes	\$42.53	\$4.04
2139	26-Nov-12	21	5	\$43.54	Yes	\$42.53	(\$1.01)
2140	26-Nov-12	21	6	\$52.30	Yes	\$42.53	(\$9.77)
2141	26-Nov-12	21	7	\$44.13	Yes	\$42.53	(\$1.60)
2142	26-Nov-12	21	8	\$43.56	Yes	\$42.53	(\$1.03)
2143	26-Nov-12	21	9	\$39.86	Yes	\$42.53	\$2.67
2144	26-Nov-12	21	10	\$39.66	Yes	\$42.53	\$2.87
2145	26-Nov-12	21	11	\$36.26	Yes	\$42.53	\$6.27
2146	26-Nov-12	21	12	\$34.66	Yes	\$42.53	\$7.87
2147	26-Nov-12	22	1	\$55.21	Yes	\$42.53	(\$12.68)
2148	26-Nov-12	22	2	\$55.21	Yes	\$42.53	(\$12.68)
2149	26-Nov-12	22	3	\$55.21	Yes	\$42.53	(\$12.68)
2150	26-Nov-12	22	4	\$53.25	Yes	\$42.53	(\$10.72)
2151	26-Nov-12	22	5	\$53.99	Yes	\$42.53	(\$11.46)
2152	26-Nov-12	22	6	\$54.52	Yes	\$42.53	(\$11.99)
2153	26-Nov-12	22	7	\$42.53	Yes	\$42.53	\$0.00
2154	26-Nov-12	22	8	\$36.93	Yes	\$42.53	\$5.60
2155	26-Nov-12	22	9	\$36.86	Yes	\$42.53	\$5.67
2156	26-Nov-12	22	10	\$42.53	Yes	\$42.53	\$0.00

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2157	26-Nov-12	22	11	\$32.64	Yes	\$42.53	\$9.89
2158	26-Nov-12	22	12	\$33.65	Yes	\$42.53	\$8.88
2159	26-Nov-12	23	1	\$54.11	Yes	\$42.53	(\$11.58)
2160	26-Nov-12	23	2	\$54.00	Yes	\$42.53	(\$11.47)
2161	26-Nov-12	23	3	\$62.32	Yes	\$42.53	(\$19.79)
2162	26-Nov-12	23	4	\$44.15	Yes	\$42.53	(\$1.62)
2163	26-Nov-12	23	5	\$40.41	Yes	\$42.53	\$2.12
2164	26-Nov-12	23	6	\$38.34	Yes	\$42.53	\$4.19
2165	26-Nov-12	23	7	\$36.11	Yes	\$42.53	\$6.42
2166	26-Nov-12	23	8	\$36.11	Yes	\$42.53	\$6.42
2167	26-Nov-12	23	9	\$34.06	Yes	\$42.53	\$8.47
2168	26-Nov-12	23	10	\$31.98	Yes	\$42.53	\$10.55
2169	26-Nov-12	23	11	\$31.54	Yes	\$42.53	\$10.99
2170	26-Nov-12	23	12	\$27.98	Yes	\$42.53	\$14.55
2171	26-Nov-12	24	1	\$53.35	Yes	\$42.53	(\$10.82)
2172	26-Nov-12	24	2	\$34.74	Yes	\$42.53	\$7.79
2173	26-Nov-12	24	3	\$117.13	Yes	\$42.53	(\$74.60)
2174	26-Nov-12	24	4	\$53.54	Yes	\$42.53	(\$11.01)
2175	26-Nov-12	24	5	\$42.53	Yes	\$42.53	\$0.00
2176	26-Nov-12	24	6	\$31.96	Yes	\$42.53	\$10.57
2177	26-Nov-12	24	7	\$34.78	Yes	\$42.53	\$7.75
2178	26-Nov-12	24	8	\$31.77	Yes	\$42.53	\$10.76
2179	26-Nov-12	24	9	\$30.66	Yes	\$42.53	\$11.87
2180	26-Nov-12	24	10	\$31.01	Yes	\$42.53	\$11.52
2181	26-Nov-12	24	11	\$28.25	Yes	\$42.53	\$14.28
2182	26-Nov-12	24	12	\$26.60	Yes	\$42.53	\$15.93
2183	27-Nov-12	6	12	\$60.65	Yes	\$46.04	(\$14.61)
2184	27-Nov-12	7	1	\$28.47	Yes	\$46.04	\$17.57
2185	27-Nov-12	7	2	\$29.70	Yes	\$46.04	\$16.34
2186	27-Nov-12	7	3	\$29.52	Yes	\$46.04	\$16.52
2187	27-Nov-12	7	4	\$32.20	Yes	\$46.04	\$13.84
2188	27-Nov-12	7	5	\$32.31	Yes	\$46.04	\$13.73
2189	27-Nov-12	7	6	\$32.39	Yes	\$46.04	\$13.65
2190	27-Nov-12	7	7	\$34.84	Yes	\$46.04	\$11.20
2191	27-Nov-12	7	8	\$39.59	Yes	\$46.04	\$6.45
2192	27-Nov-12	7	9	\$41.78	Yes	\$46.04	\$4.26
2193	27-Nov-12	7	10	\$34.84	Yes	\$46.04	\$11.20
2194	27-Nov-12	7	11	\$62.10	Yes	\$46.04	(\$16.06)
2195	27-Nov-12	7	12	\$62.09	Yes	\$46.04	(\$16.05)
2196	27-Nov-12	8	1	\$36.25	Yes	\$46.04	\$9.79
2197	27-Nov-12	8	2	\$35.62	Yes	\$46.04	\$10.42
2198	27-Nov-12	8	3	\$35.23	Yes	\$46.04	\$10.81
2199	27-Nov-12	8	4	\$36.06	Yes	\$46.04	\$9.98
2200	27-Nov-12	8	5	\$35.42	Yes	\$46.04	\$10.62
2201	27-Nov-12	8	6	\$36.06	Yes	\$46.04	\$9.98

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2202	27-Nov-12	8	7	\$36.08	Yes	\$46.04	\$9.96
2203	27-Nov-12	8	8	\$36.12	Yes	\$46.04	\$9.92
2204	27-Nov-12	8	9	\$35.04	Yes	\$46.04	\$11.00
2205	27-Nov-12	8	10	\$36.09	Yes	\$46.04	\$9.95
2206	27-Nov-12	8	11	\$35.41	Yes	\$46.04	\$10.63
2207	27-Nov-12	8	12	\$36.31	Yes	\$46.04	\$9.73
2208	27-Nov-12	9	1	\$32.89	Yes	\$46.04	\$13.15
2209	27-Nov-12	9	2	\$32.89	Yes	\$46.04	\$13.15
2210	27-Nov-12	9	3	\$32.95	Yes	\$46.04	\$13.09
2211	27-Nov-12	9	4	\$31.35	Yes	\$46.04	\$14.69
2212	27-Nov-12	9	5	\$31.75	Yes	\$46.04	\$14.29
2213	27-Nov-12	9	6	\$31.75	Yes	\$46.04	\$14.29
2214	27-Nov-12	9	7	\$33.31	Yes	\$46.04	\$12.73
2215	27-Nov-12	9	8	\$33.11	Yes	\$46.04	\$12.93
2216	27-Nov-12	9	9	\$33.11	Yes	\$46.04	\$12.93
2217	27-Nov-12	9	10	\$33.53	Yes	\$46.04	\$12.51
2218	27-Nov-12	9	11	\$33.53	Yes	\$46.04	\$12.51
2219	27-Nov-12	9	12	\$32.67	Yes	\$46.04	\$13.37
2220	27-Nov-12	10	1	\$32.02	Yes	\$46.04	\$14.02
2221	27-Nov-12	10	2	\$32.14	Yes	\$46.04	\$13.90
2222	27-Nov-12	10	3	\$32.01	Yes	\$46.04	\$14.03
2223	27-Nov-12	10	4	\$32.06	Yes	\$46.04	\$13.98
2224	27-Nov-12	10	5	\$32.65	Yes	\$46.04	\$13.39
2225	27-Nov-12	10	6	\$32.06	Yes	\$46.04	\$13.98
2226	27-Nov-12	10	7	\$31.92	Yes	\$46.04	\$14.12
2227	27-Nov-12	10	8	\$31.92	Yes	\$46.04	\$14.12
2228	27-Nov-12	10	9	\$32.00	Yes	\$46.04	\$14.04
2229	27-Nov-12	10	10	\$33.07	Yes	\$46.04	\$12.97
2230	27-Nov-12	10	11	\$32.38	Yes	\$46.04	\$13.66
2231	27-Nov-12	10	12	\$32.59	Yes	\$46.04	\$13.45
2232	27-Nov-12	11	1	\$32.23	Yes	\$46.04	\$13.81
2233	27-Nov-12	11	2	\$32.04	Yes	\$46.04	\$14.00
2234	27-Nov-12	11	3	\$32.02	Yes	\$46.04	\$14.02
2235	27-Nov-12	11	4	\$31.96	Yes	\$46.04	\$14.08
2236	27-Nov-12	11	5	\$32.06	Yes	\$46.04	\$13.98
2237	27-Nov-12	11	6	\$32.06	Yes	\$46.04	\$13.98
2238	27-Nov-12	11	7	\$30.02	Yes	\$46.04	\$16.02
2239	27-Nov-12	11	8	\$30.26	Yes	\$46.04	\$15.78
2240	27-Nov-12	11	9	\$30.26	Yes	\$46.04	\$15.78
2241	27-Nov-12	11	10	\$47.90	Yes	\$46.04	(\$1.86)
2242	27-Nov-12	11	11	\$50.93	Yes	\$46.04	(\$4.89)
2243	27-Nov-12	11	12	\$30.49	Yes	\$46.04	\$15.55
2244	27-Nov-12	12	1	\$30.36	Yes	\$46.04	\$15.68
2245	27-Nov-12	12	2	\$30.36	Yes	\$46.04	\$15.68
2246	27-Nov-12	12	3	\$31.01	Yes	\$46.04	\$15.03

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2247	27-Nov-12	12	4	\$31.07	Yes	\$46.04	\$14.97
2248	27-Nov-12	12	5	\$30.38	Yes	\$46.04	\$15.66
2249	27-Nov-12	12	6	\$30.99	Yes	\$46.04	\$15.05
2250	27-Nov-12	12	7	\$30.00	Yes	\$46.04	\$16.04
2251	27-Nov-12	12	8	\$30.00	Yes	\$46.04	\$16.04
2252	27-Nov-12	12	9	\$30.28	Yes	\$46.04	\$15.76
2253	27-Nov-12	12	10	\$30.14	Yes	\$46.04	\$15.90
2254	27-Nov-12	12	11	\$46.04	Yes	\$46.04	\$0.00
2255	27-Nov-12	12	12	\$30.42	Yes	\$46.04	\$15.62
2256	27-Nov-12	13	1	\$30.74	Yes	\$46.04	\$15.30
2257	27-Nov-12	13	2	\$30.80	Yes	\$46.04	\$15.24
2258	27-Nov-12	13	3	\$31.09	Yes	\$46.04	\$14.95
2259	27-Nov-12	13	4	\$31.46	Yes	\$46.04	\$14.58
2260	27-Nov-12	13	5	\$31.96	Yes	\$46.04	\$14.08
2261	27-Nov-12	13	6	\$31.12	Yes	\$46.04	\$14.92
2262	27-Nov-12	13	7	\$31.34	Yes	\$46.04	\$14.70
2263	27-Nov-12	13	8	\$31.45	Yes	\$46.04	\$14.59
2264	27-Nov-12	13	9	\$31.54	Yes	\$46.04	\$14.50
2265	27-Nov-12	13	10	\$31.57	Yes	\$46.04	\$14.47
2266	27-Nov-12	13	11	\$31.92	Yes	\$46.04	\$14.12
2267	27-Nov-12	13	12	\$30.71	Yes	\$46.04	\$15.33
2268	27-Nov-12	14	1	\$32.22	Yes	\$46.04	\$13.82
2269	27-Nov-12	14	2	\$32.61	Yes	\$46.04	\$13.43
2270	27-Nov-12	14	3	\$33.62	Yes	\$46.04	\$12.42
2271	27-Nov-12	14	4	\$34.61	Yes	\$46.04	\$11.43
2272	27-Nov-12	14	5	\$35.19	Yes	\$46.04	\$10.85
2273	27-Nov-12	14	6	\$35.19	Yes	\$46.04	\$10.85
2274	27-Nov-12	14	7	\$35.62	Yes	\$46.04	\$10.42
2275	27-Nov-12	14	8	\$35.35	Yes	\$46.04	\$10.69
2276	27-Nov-12	14	9	\$36.32	Yes	\$46.04	\$9.72
2277	27-Nov-12	14	10	\$36.36	Yes	\$46.04	\$9.68
2278	27-Nov-12	14	11	\$35.82	Yes	\$46.04	\$10.22
2279	27-Nov-12	14	12	\$36.36	Yes	\$46.04	\$9.68
2280	27-Nov-12	15	1	\$36.01	Yes	\$46.04	\$10.03
2281	27-Nov-12	15	2	\$35.87	Yes	\$46.04	\$10.17
2282	27-Nov-12	15	3	\$34.94	Yes	\$46.04	\$11.10
2283	27-Nov-12	15	4	\$34.87	Yes	\$46.04	\$11.17
2284	27-Nov-12	15	5	\$34.97	Yes	\$46.04	\$11.07
2285	27-Nov-12	15	6	\$34.63	Yes	\$46.04	\$11.41
2286	27-Nov-12	15	7	\$34.20	Yes	\$46.04	\$11.84
2287	27-Nov-12	15	8	\$34.20	Yes	\$46.04	\$11.84
2288	27-Nov-12	15	9	\$34.10	Yes	\$46.04	\$11.94
2289	27-Nov-12	15	10	\$35.91	Yes	\$46.04	\$10.13
2290	27-Nov-12	15	11	\$35.71	Yes	\$46.04	\$10.33
2291	27-Nov-12	15	12	\$34.00	Yes	\$46.04	\$12.04

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2292	27-Nov-12	16	1	\$28.70	Yes	\$46.04	\$17.34
2293	27-Nov-12	16	2	\$29.58	Yes	\$46.04	\$16.46
2294	27-Nov-12	16	3	\$31.66	Yes	\$46.04	\$14.38
2295	27-Nov-12	16	4	\$31.35	Yes	\$46.04	\$14.69
2296	27-Nov-12	16	5	\$30.97	Yes	\$46.04	\$15.07
2297	27-Nov-12	16	6	\$30.88	Yes	\$46.04	\$15.16
2298	27-Nov-12	16	7	\$29.49	Yes	\$46.04	\$16.55
2299	27-Nov-12	16	8	\$29.87	Yes	\$46.04	\$16.17
2300	27-Nov-12	16	9	\$29.97	Yes	\$46.04	\$16.07
2301	27-Nov-12	16	10	\$30.73	Yes	\$46.04	\$15.31
2302	27-Nov-12	16	11	\$30.42	Yes	\$46.04	\$15.62
2303	27-Nov-12	16	12	\$30.62	Yes	\$46.04	\$15.42
2304	27-Nov-12	17	1	\$21.49	Yes	\$46.04	\$24.55
2305	27-Nov-12	17	2	\$26.34	Yes	\$46.04	\$19.70
2306	27-Nov-12	17	3	\$21.49	Yes	\$46.04	\$24.55
2307	27-Nov-12	17	4	\$25.36	Yes	\$46.04	\$20.68
2308	27-Nov-12	17	5	\$25.36	Yes	\$46.04	\$20.68
2309	27-Nov-12	17	6	\$26.72	Yes	\$46.04	\$19.32
2310	27-Nov-12	17	7	\$27.84	Yes	\$46.04	\$18.20
2311	27-Nov-12	17	8	\$29.49	Yes	\$46.04	\$16.55
2312	27-Nov-12	17	9	\$31.45	Yes	\$46.04	\$14.59
2313	27-Nov-12	17	10	\$31.21	Yes	\$46.04	\$14.83
2314	27-Nov-12	17	11	\$36.50	Yes	\$46.04	\$9.54
2315	27-Nov-12	17	12	\$60.47	Yes	\$46.04	(\$14.43)
2316	27-Nov-12	18	1	\$35.66	Yes	\$46.04	\$10.38
2317	27-Nov-12	18	2	\$45.32	Yes	\$46.04	\$0.72
2318	27-Nov-12	18	3	\$63.05	Yes	\$46.04	(\$17.01)
2319	27-Nov-12	18	4	\$63.04	Yes	\$46.04	(\$17.00)
2320	27-Nov-12	18	5	\$78.99	Yes	\$46.04	(\$32.95)
2321	27-Nov-12	18	6	\$79.26	Yes	\$46.04	(\$33.22)
2322	27-Nov-12	18	7	\$66.64	Yes	\$46.04	(\$20.60)
2323	27-Nov-12	18	8	\$75.14	Yes	\$46.04	(\$29.10)
2324	27-Nov-12	18	9	\$50.27	Yes	\$46.04	(\$4.23)
2325	27-Nov-12	18	10	\$53.84	Yes	\$46.04	(\$7.80)
2326	27-Nov-12	18	11	\$49.93	Yes	\$46.04	(\$3.89)
2327	27-Nov-12	18	12	\$78.48	Yes	\$46.04	(\$32.44)
2328	27-Nov-12	19	1	\$47.72	Yes	\$46.04	(\$1.68)
2329	27-Nov-12	19	2	\$45.24	Yes	\$46.04	\$0.80
2330	27-Nov-12	19	3	\$46.46	Yes	\$46.04	(\$0.42)
2331	27-Nov-12	19	4	\$48.07	Yes	\$46.04	(\$2.03)
2332	27-Nov-12	19	5	\$45.31	Yes	\$46.04	\$0.73
2333	27-Nov-12	19	6	\$45.46	Yes	\$46.04	\$0.58
2334	27-Nov-12	19	7	\$46.33	Yes	\$46.04	(\$0.29)
2335	27-Nov-12	19	8	\$45.65	Yes	\$46.04	\$0.39
2336	27-Nov-12	19	9	\$46.04	Yes	\$46.04	\$0.00

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2337	27-Nov-12	19	10	\$45.85	Yes	\$46.04	\$0.19
2338	27-Nov-12	19	11	\$43.17	Yes	\$46.04	\$2.87
2339	27-Nov-12	19	12	\$52.04	Yes	\$46.04	(\$6.00)
2340	27-Nov-12	20	1	\$48.00	Yes	\$46.04	(\$1.96)
2341	27-Nov-12	20	2	\$52.19	Yes	\$46.04	(\$6.15)
2342	27-Nov-12	20	3	\$60.29	Yes	\$46.04	(\$14.25)
2343	27-Nov-12	20	4	\$48.07	Yes	\$46.04	(\$2.03)
2344	27-Nov-12	20	5	\$45.95	Yes	\$46.04	\$0.09
2345	27-Nov-12	20	6	\$45.95	Yes	\$46.04	\$0.09
2346	27-Nov-12	20	7	\$38.17	Yes	\$46.04	\$7.87
2347	27-Nov-12	20	8	\$43.55	Yes	\$46.04	\$2.49
2348	27-Nov-12	20	9	\$44.42	Yes	\$46.04	\$1.62
2349	27-Nov-12	20	10	\$44.87	Yes	\$46.04	\$1.17
2350	27-Nov-12	20	11	\$42.66	Yes	\$46.04	\$3.38
2351	27-Nov-12	20	12	\$33.52	Yes	\$46.04	\$12.52
2352	27-Nov-12	21	1	\$45.75	Yes	\$46.04	\$0.29
2353	27-Nov-12	21	2	\$47.11	Yes	\$46.04	(\$1.07)
2354	27-Nov-12	21	3	\$47.11	Yes	\$46.04	(\$1.07)
2355	27-Nov-12	21	4	\$43.35	Yes	\$46.04	\$2.69
2356	27-Nov-12	21	5	\$38.01	Yes	\$46.04	\$8.03
2357	27-Nov-12	21	6	\$41.33	Yes	\$46.04	\$4.71
2358	27-Nov-12	21	7	\$40.90	Yes	\$46.04	\$5.14
2359	27-Nov-12	21	8	\$36.72	Yes	\$46.04	\$9.32
2360	27-Nov-12	21	9	\$36.21	Yes	\$46.04	\$9.83
2361	27-Nov-12	21	10	\$27.98	Yes	\$46.04	\$18.06
2362	27-Nov-12	21	11	\$28.77	Yes	\$46.04	\$17.27
2363	27-Nov-12	21	12	\$27.98	Yes	\$46.04	\$18.06
2364	27-Nov-12	22	1	\$55.08	Yes	\$46.04	(\$9.04)
2365	27-Nov-12	22	2	\$36.99	Yes	\$46.04	\$9.05
2366	27-Nov-12	22	3	\$48.16	Yes	\$46.04	(\$2.12)
2367	27-Nov-12	22	4	\$44.35	Yes	\$46.04	\$1.69
2368	27-Nov-12	22	5	\$44.49	Yes	\$46.04	\$1.55
2369	27-Nov-12	22	6	\$42.44	Yes	\$46.04	\$3.60
2370	27-Nov-12	22	7	\$36.89	Yes	\$46.04	\$9.15
2371	27-Nov-12	22	8	\$38.14	Yes	\$46.04	\$7.90
2372	27-Nov-12	22	9	\$35.52	Yes	\$46.04	\$10.52
2373	27-Nov-12	22	10	\$34.37	Yes	\$46.04	\$11.67
2374	27-Nov-12	22	11	\$33.34	Yes	\$46.04	\$12.70
2375	27-Nov-12	22	12	\$46.99	Yes	\$46.04	(\$0.95)
2376	27-Nov-12	23	1	\$59.78	Yes	\$46.04	(\$13.74)
2377	27-Nov-12	23	2	\$48.32	Yes	\$46.04	(\$2.28)
2378	27-Nov-12	23	3	\$58.58	Yes	\$46.04	(\$12.54)
2379	27-Nov-12	23	4	\$34.25	Yes	\$46.04	\$11.79
2380	27-Nov-12	23	5	\$28.71	Yes	\$46.04	\$17.33
2381	27-Nov-12	23	6	\$29.02	Yes	\$46.04	\$17.02

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2382	27-Nov-12	23	7	\$29.46	Yes	\$46.04	\$16.58
2383	27-Nov-12	23	8	\$29.46	Yes	\$46.04	\$16.58
2384	27-Nov-12	23	9	\$29.46	Yes	\$46.04	\$16.58
2385	27-Nov-12	23	10	\$28.00	Yes	\$46.04	\$18.04
2386	27-Nov-12	23	11	\$27.82	Yes	\$46.04	\$18.22
2387	27-Nov-12	23	12	\$26.79	Yes	\$46.04	\$19.25
2388	27-Nov-12	24	1	\$29.45	Yes	\$46.04	\$16.59
2389	27-Nov-12	24	2	\$30.43	Yes	\$46.04	\$15.61
2390	27-Nov-12	24	3	\$48.70	Yes	\$46.04	(\$2.66)
2391	27-Nov-12	24	4	\$31.87	Yes	\$46.04	\$14.17
2392	27-Nov-12	24	5	\$29.46	Yes	\$46.04	\$16.58
2393	27-Nov-12	24	6	\$30.56	Yes	\$46.04	\$15.48
2394	27-Nov-12	24	7	\$29.32	Yes	\$46.04	\$16.72
2395	27-Nov-12	24	8	\$29.32	Yes	\$46.04	\$16.72
2396	27-Nov-12	24	9	\$29.22	Yes	\$46.04	\$16.82
2397	27-Nov-12	24	10	\$29.22	Yes	\$46.04	\$16.82
2398	27-Nov-12	24	11	\$27.66	Yes	\$46.04	\$18.38
2399	27-Nov-12	24	12	\$27.66	Yes	\$46.04	\$18.38

Appendix C: Exceptional Dispatch Bid Mitigation Analysis

In November 2012, the ISO applied the exceptional dispatch bid mitigation to the exceptional dispatches due to noncompetitive constraints. Table 10 shows the costs by instruction type in November. With exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches were \$ 1,004,482. Without the exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches would be \$ 13,519,033. The cost saving from the exceptional dispatch bid mitigation was \$ 12,514,551.

Table 10: Bid Mitigation Analysis for November

Type	Number of Resources	Costs without Bid Mitigation	Costs with Bid Mitigation	Cost Saving
NONTMOD	8	\$13,487,634.84	\$992,249.70	\$12,495,385.14
TMODEL5	4	\$11,628.11	\$10,191.36	\$1,436.75
TMODEL6	1	\$11,708.02	(\$5,609.44)	\$17,317.46
TMODEL7	3	\$8,062.08	\$7,650.44	\$411.64
		\$13,519,033.04	\$1,004,482.06	\$12,514,550.99

CERTIFICATE OF SERVICE

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

Dated at Folsom, California this 28th day of February 2012.

Is/ Anna Pascuzzo

Anna Pascuzzo