

August 30, 2012

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

**Re: California Independent System Operator Corporation
Docket Nos. ER08-1178-____, and EL08-88-____
May 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 May 2012. The attached Chart 2 report also includes the price impact analysis for the month of May 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 May 2012 .

Respectfully submitted,

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Exceptional Dispatch Report

Table 2: May 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 May 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 May is presented in Appendix B. This report also includes the degree of mitigation analysis for May 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 May 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 May 2012, the ISO issued exceptional dispatches for the following local area generation requirement: (1) 7810, San Diego area generation requirements. Exceptional dispatch instructions were also issued for the following transmission management requirements: (1) 6510, Southern California import transmission (SCIT) nomogram; (2) 7110, transmission facilities in Humboldt area; (3) 7240, Drum Area/Summit Operations; (4) 7320, transmission facilities in Bay Area; (5) 7410, transmission facilities in Tesla/Bellota Area; (6) 7430, transmission facilities in Fresno area; (7) 7820, transmission facilities in San Diego and Imperial Valley area; and (8) 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 May 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; and (3) Ramp Rate, when exceptional dispatch instructions were issued to dispatch a resource above its physical minimum to a level where the resource has significantly higher ramp rate capability. For example, a resource could have a ramp rate of 2 MW/min at its physical minimum of 100 MW, but a significantly higher ramp rate of 10 MW/min at 250 MW. The operators could issue an exceptional dispatch for this resource to be dispatched to 250 MW, so that the resource could respond to the anticipated steep load ramp or to a potential contingency. There were a few other reasons used to explain exceptional dispatch instructions in May, which are self explanatory.

¹ A list of all of the ISO's Operating Procedures and all the publicly available Operating Procedures are available at the following link:

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

As mentioned earlier, the data shown in Table 1 is based on a template specified in the September 2009 order.² This table contains all the information published in Table 1 of the first report for May. In addition, it contains volume (MWh) and cost information. Each entry in Table 1 is a summary of exceptional dispatches classified by (1) the reason for the exceptional dispatch; (2) the location of the resource by Participating Transmission Owner (PTO) service area; (3) the Local Reliability Area (LRA) where applicable; (4) the market in which the exceptional dispatch occurred (day-ahead vs. real-time); and (5) the date of the exceptional dispatch. For each classification the following information is provided: (1) Megawatts (MW); (2) Commitment; (3) Inc or Dec; (4) Hours; (5) Begin Time; (6) End Time; (7) Total Volume (MWh); (8) Min Load Cost; (9) Start Up Cost; (10) CC6470; (11) ED Volume (MWh INC/DEC); (12) CC6470 INC; (13) CC6470 DEC; (14) CC6482; (15) CC6488; and (16) CC6620. Each column is defined as follows:

- 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.

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

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

- The ED Volume MWh (MWh INC/DEC) column shows the incremental or the decremental portion of the real-time exceptional dispatch MWh for the classification. The CC6470-INC shows that portion of incremental exceptional dispatch instruction which is settled at the resource specific LMP.
- The CC6470-DEC column shows that portion of decremental exceptional dispatch instruction which is settled at the resource specific LMP. Both these charge codes are portion of the real-time instructed imbalance energy charge code (6470).⁴
- The CC6482 column shows the real-time excess cost for the classification.⁵
- The CC6488 column shows the real-time exceptional dispatch uplift settlement for the classification.⁶ The CC6620 shows the bid cost recovery payment for the classification. This cost is shown for all pre-day-ahead unit commitments only.

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

The California ISO issued an Exceptional Dispatch Capacity Procurement Mechanism (CPM) designation to Huntington Beach Unit 1 on May 1, 2012. Huntington Beach Unit 1 was designated for 225.75 megawatts (MW) of capacity for a 60-day term under the Exceptional Dispatch CPM provisions of the tariff to address a Non-System Reliability Need.

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

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

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

Table 1: Exceptional Dispatches in May 2012

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

Chart 2: Table of Exceptional Dispatches for Period 01/May/2012 - 31/May/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	SCE	LA Basin	24-May-12	20	Yes	INC	24	0:00	23:59	482.86	\$43,434	\$0	(\$10,310)	0	\$0	\$0	\$0	\$0	\$0
2	RT	7110	PG&E	Humboldt	5-May-12	29	No	INC	2	22:38	23:45	11.93	\$318	\$0	(\$153)	3	(\$40)	\$0	\$0	(\$48)	\$0
3	RT	7110	PG&E	Humboldt	7-May-12	15-45	No	INC	9	13:00	21:59	407.50	\$11,526	\$0	(\$40,821)	1	(\$22)	\$0	\$0	(\$2)	\$0
4	RT	7110	PG&E	Humboldt	8-May-12	29	No	INC	2	20:53	21:09	7.13	\$0	\$0	(\$279)	0	\$0	\$0	\$0	\$0	\$0
5	RT	7110	PG&E	Humboldt	9-May-12	32-73	No	INC	5	18:00	22:59	61.00	\$1,697	\$0	(\$1,705)	14	(\$361)	\$0	\$0	(\$46)	\$0
6	RT	7110	PG&E	Humboldt	16-May-12	29	No	INC	2	16:50	17:10	3.84	\$137	\$0	(\$103)	0	(\$10)	\$0	\$0	(\$1)	\$0
7	RT	7110	PG&E	Humboldt	25-May-12	16	No	INC	4	13:40	16:59	38.68	\$987	\$66	(\$501)	7	(\$89)	\$0	\$0	(\$150)	\$0
8	RT	7110	PG&E	Humboldt	26-May-12	32	No	INC	3	20:50	22:04	21.42	\$503	\$0	(\$2,582)	7	(\$158)	\$0	\$0	(\$59)	\$0
9	RT	7110	PG&E	Humboldt	29-May-12	45-58	No	INC	3	21:07	23:59	158.01	\$4,288	\$0	(\$3,439)	21	(\$454)	\$0	\$0	(\$202)	\$0
10	RT	7110	PG&E	Humboldt	30-May-12	4	No	DEC	4	20:35	23:59	-1.62	\$0	\$0	\$41	0	(\$0)	\$0	\$0	\$0	\$0
11	RT	7110	PG&E	Humboldt	30-May-12	18-74	No	INC	7	17:40	23:59	219.64	\$6,326	\$0	(\$6,465)	35	(\$796)	\$0	\$0	(\$291)	\$0
12	RT	7240	PG&E	Sierra	5-May-12	15	No	DEC	3	19:39	21:59	-33.81	\$0	\$0	\$1,080	-34	\$0	\$1,078	\$0	(\$401)	\$0
13	RT	7240	PG&E	Sierra	6-May-12	11-21	No	DEC	7	15:10	21:59	-128.74	\$0	\$0	\$2,454	-127	\$0	\$2,430	\$0	(\$2,400)	\$0
14	RT	7240	PG&E	Sierra	7-May-12	9-13	No	DEC	3	15:20	17:59	-21.51	\$0	\$0	(\$529)	-21	\$0	(\$701)	\$0	(\$112)	\$0
15	RT	7240	PG&E	Sierra	8-May-12	30	No	DEC	3	13:16	15:59	-81.93	\$0	\$0	\$2,432	-79	\$0	\$2,376	\$0	(\$645)	\$0
16	RT	7320	PG&E	Bay Area	17-May-12	19	No	INC	5	17:00	21:59	108.88	\$5,751	\$0	(\$1,939)	2	(\$36)	\$0	\$0	(\$30)	\$0
17	RT	7410	PG&E	Stockton	25-May-12	7	No	DEC	10	12:55	21:59	-96.98	\$0	\$0	\$1,527	-64	\$0	\$937	\$0	(\$716)	\$0
18	RT	7430	PG&E	Fresno	1-May-12	3-39	Yes	DEC	18	6:00	23:59	-233.12	\$0	\$0	(\$46,108)	-229	\$0	(\$46,174)	\$0	(\$2,613)	\$0
19	RT	7430	PG&E	Fresno	1-May-12	20-413	Yes	INC	24	0:00	23:59	4102.43	\$21,577	\$913	(\$55,064)	2,160	(\$29,518)	\$0	\$0	(\$63,613)	\$0
20	RT	7430	PG&E	Fresno	2-May-12	9-15	No	DEC	16	7:00	22:59	-173.82	\$0	\$0	\$3,477	-174	\$0	\$3,462	\$0	(\$637)	\$0
21	RT	7430	PG&E	Fresno	2-May-12	46-400	Yes	INC	24	0:00	23:59	5479.55	\$93,695	\$3,918	(\$93,578)	3,071	(\$48,602)	\$0	\$0	(\$45,289)	\$0
22	RT	7430	PG&E	Fresno	3-May-12	5	No	DEC	12	7:40	18:59	-447.81	\$0	\$0	\$12,977	-56	\$0	\$1,490	\$0	(\$468)	\$0
23	RT	7430	PG&E	Fresno	3-May-12	344	Yes	INC	24	0:00	23:59	2101.95	\$37,381	\$1,328	(\$58,687)	696	(\$15,516)	\$0	\$0	(\$16,723)	\$0
24	RT	7430	PG&E	Fresno	4-May-12	0-8	No	DEC	22	0:00	21:59	-156.00	\$0	\$0	\$1,470	-60	\$0	\$611	\$0	(\$12)	\$0
25	RT	7430	PG&E	Fresno	4-May-12	350	Yes	INC	24	0:00	23:59	2950.54	\$58,160	\$1,741	(\$51,492)	1,540	(\$25,472)	\$0	\$0	(\$23,721)	\$0
26	RT	7430	PG&E	Fresno	5-May-12	3-10	No	DEC	24	0:00	23:59	-56.09	\$0	\$0	\$1,230	-55	\$0	\$1,189	\$0	(\$373)	\$0
27	RT	7430	PG&E	Fresno	5-May-12	14-	Yes	INC	24	0:00	23:59	4236.82	\$70,598	\$2,302	(\$75,306)	2,579	(\$41,881)	\$0	\$0	(\$25,809)	\$0

Department of Market Analysis and Development – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
						351)
28	RT	7430	PG&E	Fresno	6-May-12	3- 10	No	DEC	24	0:30	23:59	-77.70	\$0	\$0	\$1,308	-77	\$0	\$1,293	\$0	(\$781)	\$0
29	RT	7430	PG&E	Fresno	6-May-12	10-150	Yes	INC	24	0:00	23:59	1078.72	\$0	\$0	(\$19,542)	272	(\$4,778)	\$0	\$0	(\$3,148)	\$0
30	RT	7430	PG&E	Fresno	7-May-12	2- 10	No	DEC	23	1:00	23:59	-38.65	\$0	\$0	\$1,177	-38	\$0	\$1,170	\$0	(\$968)	\$0
31	RT	7430	PG&E	Fresno	7-May-12	1- 22	No	INC	24	0:00	23:59	163.30	\$0	\$0	\$2,636	20	\$4,337	\$0	\$0	(\$3,019)	\$0
32	RT	7430	PG&E	Fresno	8-May-12	1- 5	No	DEC	19	5:10	23:59	-32.63	\$0	\$0	\$908	-33	\$0	\$911	\$0	(\$777)	\$0
33	RT	7430	PG&E	Fresno	8-May-12	0- 18	No	INC	24	0:00	23:59	69.64	\$0	\$0	(\$1,401)	0	\$0	\$0	\$0	(\$0)	\$0
34	RT	7430	PG&E	Fresno	9-May-12	5	No	DEC	10	9:25	18:59	-45.21	\$0	\$0	\$4,459	-45	\$0	\$4,452	\$0	(\$3,653)	\$0
35	RT	7430	PG&E	Fresno	9-May-12	42	No	INC	6	18:25	23:59	34.37	\$0	\$0	(\$531)	26	(\$384)	\$2	\$0	(\$961)	\$0
36	RT	7430	PG&E	Fresno	10-May-12	2- 9	No	DEC	10	6:35	15:59	-66.63	\$0	\$0	\$1,242	-66	\$0	\$1,222	\$0	(\$664)	\$0
37	RT	7430	PG&E	Fresno	10-May-12	85	Yes	INC	19	5:25	23:59	165.43	\$5,931	\$0	(\$4,310)	-3	\$0	\$64	\$0	(\$34)	\$0
38	RT	7430	PG&E	Fresno	11-May-12	2- 19	No	INC	24	0:00	23:59	185.99	\$0	\$0	(\$4,113)	0	\$0	\$0	\$0	\$0	\$0
39	RT	7430	PG&E	Fresno	12-May-12	47-170	Yes	INC	13	10:05	22:59	1256.60	\$0	\$0	(\$29,518)	788	(\$17,389)	\$0	\$0	(\$6,512)	\$0
40	RT	7430	PG&E	Fresno	13-May-12	1	Yes	DEC	11	12:05	22:59	0.34	\$0	\$0	(\$265)	0	\$0	\$0	\$0	\$0	\$0
41	RT	7430	PG&E	Fresno	13-May-12	42-461	Yes	INC	16	8:56	23:59	6828.86	\$11,040	\$122	\$71,876	5,638	\$73,840	\$0	\$0	(\$247,884)	\$0
42	RT	7430	PG&E	Fresno	14-May-12	3- 6	No	DEC	4	19:40	22:59	-10.73	\$0	\$0	\$197	-10	\$0	\$174	\$0	(\$7)	\$0
43	RT	7430	PG&E	Fresno	14-May-12	22-150	Yes	INC	7	17:10	23:59	868.92	\$18,037	\$0	(\$14,129)	555	(\$10,174)	\$0	\$0	(\$5,850)	\$0
44	RT	7430	PG&E	Fresno	15-May-12	2	No	DEC	12	10:35	21:59	-77.91	\$0	\$0	\$2,275	-23	\$0	\$673	\$0	(\$216)	\$0
45	RT	7430	PG&E	Fresno	15-May-12	67-230	Yes	INC	24	0:00	23:29	1232.81	\$4,015	\$0	(\$28,318)	621	(\$14,132)	\$0	\$0	(\$3,793)	\$0
46	RT	7430	PG&E	Fresno	16-May-12	67-300	Yes	INC	6	18:05	23:29	1175.23	\$20,223	\$0	(\$50,584)	442	(\$11,241)	\$0	\$0	(\$4,539)	\$0
47	RT	7430	PG&E	Fresno	17-May-12	5	No	DEC	15	9:20	23:59	-131.19	\$0	\$0	\$274	-64	\$0	\$1,170	\$0	(\$935)	\$0
48	RT	7430	PG&E	Fresno	17-May-12	96-313	Yes	INC	15	9:20	23:59	3546.66	\$38,193	\$980	(\$63,167)	2,632	(\$45,869)	\$0	\$0	(\$44,590)	\$0
49	RT	7430	PG&E	Fresno	19-May-12	83	Yes	INC	3	14:27	16:59	487.98	\$6,340	\$0	(\$14,365)	0	\$0	\$0	\$0	\$0	\$0
50	RT	7430	PG&E	Fresno	20-May-12	28-108	No	INC	2	22:18	23:59	50.10	\$0	\$0	(\$1,130)	51	(\$1,157)	\$0	\$0	(\$148)	\$0
51	RT	7430	PG&E	Fresno	21-May-12	46-146	Yes	INC	9	15:15	23:59	999.72	\$28,328	\$770	(\$29,842)	20	(\$503)	\$0	\$0	(\$100)	\$0
52	RT	7430	PG&E	Fresno	22-May-12	46-177	Yes	INC	24	0:00	23:29	1109.77	\$36,516	\$948	(\$27,660)	128	(\$3,075)	\$0	\$0	(\$1,167)	\$0
53	RT	7430	PG&E	Fresno	23-May-12	83-100	Yes	INC	5	18:13	22:59	602.00	\$29,050	\$1,346	(\$13,273)	58	(\$1,284)	\$0	\$0	(\$304)	\$0
54	RT	7430	PG&E	Fresno	24-May-12	17-259	Yes	INC	8	16:30	23:58	1688.38	\$28,121	\$1,089	(\$34,649)	861	(\$17,597)	\$0	\$0	(\$11,122)	\$0
55	RT	7430	PG&E	Fresno	25-May-12	5	No	DEC	11	11:25	21:59	-65.81	\$0	\$0	\$1,057	-42	\$0	\$634	\$0	(\$598)	\$0
56	RT	7430	PG&E	Fresno	25-May-12	46-215	No	INC	23	0:00	22:59	2147.26	\$54,348	\$1,119	(\$34,131)	850	(\$11,597)	\$0	\$0	(\$13,506)	\$0
57	RT	7430	PG&E	Fresno	26-May-12	46-96	Yes	INC	5	18:55	22:59	504.16	\$8,098	\$1,087	(\$22,231)	222	(\$4,371)	\$0	\$0	(\$2,528)	\$0
58	RT	7430	PG&E	Fresno	27-May-12	5	Yes	DEC	10	12:45	21:59	-87.16	\$0	\$0	\$1,982	-46	\$0	\$1,211	\$0	(\$1,134)	\$0

Department of Market Analysis and Development – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
59	RT	7430	PG&E	Fresno	27-May-12	83	Yes	INC	2	21:00	22:59	254.78	\$5,810	\$0	(\$4,916)	0	\$0	\$0	\$0	\$0	\$0
60	RT	7430	PG&E	Fresno	28-May-12	46-96	Yes	INC	6	15:55	20:59	500.84	\$9,565	\$921	(\$12,930)	181	(\$4,421)	\$0	\$0	(\$1,202)	\$0
61	RT	7430	PG&E	Sierra	13-May-12	3	No	DEC	2	22:35	23:59	-4.79	\$0	\$0	\$118	-4	\$0	\$104	\$0	(\$35)	\$0
62	RT	7810	SDG&E	San Diego	31-May-12	20	Yes	INC	1	23:00	23:59	19.51	\$1,371	\$0	(\$285)	0	\$0	\$0	\$0	\$0	\$0
63	RT	7820	SDG&E	N/A	8-May-12	101-179	Yes	DEC	6	14:10	19:59	1122.44	\$0	\$0	\$12,418	-1,119	\$0	\$12,328	\$0	\$0	\$0
64	RT	7820	SDG&E	N/A	8-May-12	200-246	No	INC	5	15:35	19:59	-105.29	\$0	\$0	\$3	-105	\$0	\$0	\$0	\$0	\$0
65	RT	7820	SDG&E	N/A	9-May-12	25-179	Yes	DEC	12	11:30	22:59	1886.73	\$0	\$0	\$20,110	-1,835	\$0	\$19,115	\$0	\$0	\$0
66	RT	7820	SDG&E	N/A	9-May-12	145-510	Yes	INC	12	11:35	22:59	579.15	\$0	\$0	(\$492,607)	-113	\$0	\$657	\$0	\$0	\$0
67	RT	7820	SDG&E	N/A	10-May-12	17-179	Yes	DEC	13	9:05	21:59	1908.62	\$0	\$0	\$20,019	-1,849	\$0	\$19,146	\$0	\$0	\$0
68	RT	7820	SDG&E	N/A	10-May-12	145-551	Yes	INC	16	6:30	21:59	4757.48	\$770	\$0	\$28,309	-4,452	\$0	\$25,262	\$0	\$0	\$0
69	RT	7820	SDG&E	N/A	11-May-12	51-139	Yes	DEC	12	10:17	21:52	-520.32	\$0	\$0	\$5,134	-500	\$0	\$4,850	\$0	\$0	\$0
70	RT	7820	SDG&E	N/A	11-May-12	350-575	Yes	INC	12	10:40	21:59	-707.65	\$1,044	\$0	(\$7,583)	-785	\$0	\$9,047	\$0	\$0	\$0
71	RT	7820	SDG&E	N/A	12-May-12	60-178	Yes	DEC	10	14:35	23:59	1436.32	\$0	\$0	\$14,923	-1,407	\$0	\$14,430	\$0	\$0	\$0
72	RT	7820	SDG&E	N/A	12-May-12	310-428	Yes	INC	9	15:45	23:59	3474.51	\$2,016	\$0	\$58,851	-1,515	\$0	\$15,716	\$0	\$0	\$0
73	RT	7820	SDG&E	N/A	13-May-12	30-142	Yes	DEC	7	15:25	21:59	-668.25	\$0	\$0	\$9,053	-546	\$0	\$6,945	\$0	\$0	\$0
74	RT	7820	SDG&E	N/A	13-May-12	400-550	Yes	INC	7	15:20	21:59	2499.96	\$515	\$0	\$70,803	-1,307	\$0	\$14,318	\$0	\$0	\$0
75	RT	7820	SDG&E	N/A	14-May-12	20-179	Yes	DEC	16	8:50	23:59	2248.04	\$0	\$0	\$23,002	-2,090	\$0	\$20,883	\$0	\$0	\$0
76	RT	7820	SDG&E	N/A	14-May-12	145-560	Yes	INC	16	8:50	23:59	9691.96	\$0	\$0	\$89,305	-6,393	\$0	\$21,382	\$0	\$0	\$0
77	RT	7820	SDG&E	N/A	15-May-12	5-120	Yes	DEC	5	9:50	13:59	-385.09	\$0	\$0	(\$23,724)	-252	\$0	\$856	\$0	\$0	\$0
78	RT	7820	SDG&E	N/A	15-May-12	420-500	No	INC	5	9:40	13:59	-679.51	\$0	\$0	(\$59,168)	-390	\$0	\$2,166	\$0	\$0	\$0
79	RT	7820	SDG&E	N/A	16-May-12	73-200	Yes	DEC	13	11:25	23:59	1919.86	\$0	\$0	\$16,602	-1,886	\$0	\$15,878	\$0	\$0	\$0
80	RT	7820	SDG&E	N/A	16-May-12	310	No	INC	13	11:25	23:59	3411.06	\$0	\$0	\$38,185	-3,257	\$0	\$35,452	\$0	\$0	\$0
81	RT	7820	SDG&E	N/A	17-May-12	38-174	Yes	DEC	15	9:35	23:59	1203.76	\$0	\$0	\$14,017	-1,138	\$0	\$12,339	\$0	\$0	\$0
82	RT	7820	SDG&E	N/A	17-May-12	145-275	Yes	INC	24	0:00	23:59	11162.20	\$0	\$0	\$794,096	-4,309	\$0	\$48,672	\$0	\$0	\$0
83	RT	7820	SDG&E	N/A	18-May-12	240-600	No	INC	24	0:00	23:59	2247.73	\$0	\$0	\$47,789	-169	\$0	\$1,818	\$0	\$0	\$0
84	RT	7820	SDG&E	N/A	20-May-12	48-	Yes	DEC	10	14:30	23:59	-484.35	\$0	\$0	\$6,944	-450	\$0	\$6,188	\$0	\$0	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
						110															
85	RT	7820	SDG&E	N/A	20-May-12	325-550	Yes	INC	10	14:05	23:59	2159.01	\$0	\$0	\$20,941	-2,187	\$0	\$26,207	\$0	\$0	\$0
86	RT	7820	SDG&E	N/A	21-May-12	50-178	Yes	DEC	6	16:00	21:59	-787.71	\$0	\$0	\$10,256	-755	\$0	\$9,303	\$0	\$0	\$0
87	RT	7820	SDG&E	N/A	21-May-12	120-320	Yes	INC	24	0:00	23:59	4903.94	\$0	\$0	\$524,043	-595	\$0	\$11,633	\$0	\$0	\$0
88	RT	7820	SDG&E	N/A	22-May-12	65-178	Yes	DEC	10	14:40	23:59	1197.29	\$0	\$0	\$12,120	-1,158	\$0	\$9,892	\$0	\$0	\$0
89	RT	7820	SDG&E	N/A	22-May-12	240-357	Yes	INC	24	0:00	23:59	7913.01	\$1,017	\$0	\$267,534	-1,271	\$0	\$50	\$0	\$0	\$0
90	RT	7820	SDG&E	N/A	23-May-12	240	No	INC	24	0:00	23:59	4627.34	\$0	\$0	\$98,569	-24	\$0	\$244	\$0	\$0	\$0
91	RT	7820	SDG&E	N/A	24-May-12	240	No	INC	13	0:00	12:59	-603.09	\$0	\$0	\$13,070	-14	\$0	\$141	\$0	\$0	\$0
92	RT	7820	SDG&E	N/A	29-May-12	400	No	INC	7	15:45	21:59	-863.68	\$0	\$0	\$9,976	-853	\$0	\$9,625	\$0	\$0	\$0
93	RT	7820	SDG&E	N/A	30-May-12	400-500	No	INC	6	16:25	21:29	-496.42	\$0	\$0	\$6,152	-470	\$0	\$5,562	\$0	\$0	\$0
94	RT	7820	SDG&E	N/A	31-May-12	55-175	Yes	DEC	11	11:25	21:59	1468.17	\$0	\$0	\$17,490	-1,420	\$0	\$16,573	\$0	\$0	\$0
95	RT	7820	SDG&E	N/A	31-May-12	310-550	No	INC	11	11:30	21:59	3177.33	\$0	\$0	\$36,983	-3,035	\$0	\$35,438	\$0	\$0	\$0
96	RT	7820	SDG&E	San Diego	11-May-12	200-270	No	INC	2	20:40	21:59	-30.45	\$0	\$0	\$741	0	\$0	\$0	\$0	\$0	\$0
97	RT	7820	SDG&E	San Diego	31-May-12	200-250	No	INC	10	12:30	21:59	126.60	\$0	\$0	(\$7,338)	134	(\$5,434)	\$0	(\$1,680)	\$0	\$0
98	RT	COI Mitigation	Intertie	N/A	7-May-12	100	No	DEC	2	22:47	23:59	-184.58	\$0	\$0	\$2	-161	\$0	\$2	\$0	\$0	\$0
99	RT	COI Mitigation	Intertie	N/A	8-May-12	100	No	DEC	1	0:30	0:59	-48.95	\$0	\$0	\$0	-49	\$0	\$0	\$0	\$0	\$0
100	RT	COI Mitigation	Intertie	N/A	10-May-12	30-31	No	DEC	4	1:05	4:59	-44.11	\$0	\$0	(\$398)	-43	\$0	(\$423)	\$0	\$0	\$0
101	RT	COI Mitigation	Intertie	N/A	11-May-12	30	No	DEC	1	2:00	2:59	-29.69	\$0	\$0	(\$281)	-30	\$0	(\$281)	\$0	\$0	\$0
102	RT	COI Mitigation	Intertie	N/A	20-May-12	18	No	DEC	1	0:05	0:59	-17.09	\$0	\$0	(\$63)	-16	\$0	(\$81)	\$0	\$0	\$0
103	RT	COI Mitigation	Intertie	N/A	25-May-12	17-35	No	DEC	3	12:05	14:59	-50.75	\$0	\$0	\$13	-50	\$0	\$1	\$0	\$0	\$0
104	RT	COI Mitigation	PG&E	Fresno	29-May-12	0	No	INC	1	0:19	0:26	0.00	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
105	RT	Contingency	PG&E	Fresno	30-May-12	83	Yes	INC	2	12:39	13:59	136.95	\$1,902	\$286	(\$4,366)	0	\$0	\$0	\$0	\$0	\$0
106	RT	Contingency	PG&E	N/A	30-May-12	100-192	No	INC	2	12:43	13:57	135.53	\$4,265	\$1,233	(\$4,264)	4	(\$92)	\$0	\$0	\$0	\$0
107	RT	Contingency	PG&E	Sierra	30-May-12	175	No	INC	1	12:40	12:59	49.84	\$0	\$0	(\$2,032)	21	(\$807)	\$0	(\$2,212)	\$0	\$0
108	RT	Contingency	SCE	Big Creek-Ventura	30-May-12	64	Yes	INC	1	12:50	12:59	0.88	\$0	\$0	(\$40)	0	\$0	\$0	\$0	\$0	\$0
109	RT	Contingency	SCE	LA Basin	30-May-12	25	No	INC	1	16:05	16:14	4.17	\$0	\$0	(\$95)	0	(\$0)	\$0	\$0	\$0	\$0
110	RT	Contingency	SDG&E	San Diego	30-May-12	29	Yes	INC	1	12:50	12:59	2.54	\$0	\$0	(\$115)	0	\$0	\$0	\$0	\$0	\$0
111	RT	Fire	SDG&E	N/A	17-May-12	50	Yes	DEC	1	9:35	9:59	-4.33	\$0	\$0	\$74	-3	\$0	\$33	\$0	\$0	\$0
112	RT	Gas/Fuel Supply Limitations	PG&E	Bay Area	4-May-12	253	No	INC	24	0:00	23:59	8294.83	\$208,069	\$0	(\$128,292)	0	\$0	\$0	\$0	\$0	\$0
113	RT	Gas/Fuel Supply Limitations	PG&E	N/A	3-May-12	50	Yes	INC	13	11:00	23:59	2884.31	\$37,206	\$19,195	(\$101,673)	0	\$0	\$0	\$0	\$0	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
114	RT	Gas/Fuel Supply Limitations	PG&E	N/A	4-May-12	50	Yes	INC	24	0:00	23:59	1356.53	\$68,688	\$0	(\$23,628)	0	\$0	\$0	\$0	\$0	\$0
115	RT	Gas/Fuel Supply Limitations	PG&E	N/A	5-May-12	50	Yes	INC	24	0:00	23:59	1391.54	\$68,688	\$0	(\$34,693)	0	\$0	\$0	\$0	\$0	\$0
116	RT	Generation Outage	SCE	Big Creek-Ventura	21-May-12	20	Yes	INC	18	6:00	23:59	1001.45	\$27,120	\$1,727	(\$169,704)	0	\$0	\$0	\$0	\$0	\$0
117	RT	Generation Outage	SCE	LA Basin	21-May-12	130	Yes	INC	17	4:00	20:59	2396.60	\$136,816	\$0	(\$207,572)	0	\$0	\$0	\$0	\$0	\$0
118	RT	Intertie Emergency Assistance	Intertie	N/A	18-May-12	180-408	No	INC	3	8:40	10:59	0.00	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
119	RT	Intertie Emergency Assistance	Intertie	N/A	23-May-12	100	No	INC	1	9:17	9:59	0.00	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
120	RT	Load Forecast Error	PG&E	N/A	28-May-12	140	No	INC	6	18:00	23:59	912.81	\$0	\$0	(\$23,912)	0	\$0	\$0	\$0	\$0	\$0
121	RT	Load Forecast Uncertainty	PG&E	N/A	7-May-12	116	Yes	DEC	2	22:00	23:59	65.21	\$0	\$0	(\$1,729)	0	\$0	\$0	\$0	\$0	\$0
122	RT	Load Forecast Uncertainty	PG&E	N/A	7-May-12	50	Yes	INC	2	22:00	23:59	213.32	\$2,862	\$0	(\$6,561)	0	\$0	\$0	\$0	\$0	\$0
123	RT	Load Forecast Uncertainty	PG&E	N/A	8-May-12	50	Yes	INC	24	0:00	23:59	2472.40	\$68,688	\$0	(\$83,273)	0	\$0	\$0	\$0	\$0	\$0
124	RT	Load Forecast Uncertainty	PG&E	N/A	9-May-12	50	Yes	INC	2	22:00	23:59	112.92	\$5,724	\$0	(\$2,287)	0	\$0	\$0	\$0	\$0	\$0
125	RT	Load Forecast Uncertainty	PG&E	N/A	10-May-12	50	Yes	INC	24	0:00	23:59	1312.38	\$68,688	\$0	(\$39,437)	0	\$0	\$0	\$0	\$0	\$0
126	RT	Load Forecast Uncertainty	PG&E	N/A	31-May-12	50-100	Yes	INC	15	9:00	23:59	1963.75	\$0	\$0	(\$108,377)	0	(\$8)	\$0	\$0	\$0	\$0
127	RT	Load Forecast Uncertainty	SCE	Big Creek-Ventura	20-May-12	20	Yes	INC	11	13:00	23:59	420.10	\$14,943	\$3,886	(\$20,089)	0	\$0	\$0	\$0	\$0	\$0
128	RT	Load Forecast Uncertainty	SCE	LA Basin	17-May-12	40	Yes	INC	10	14:39	23:59	1427.80	\$38,005	\$23,937	(\$181,617)	0	\$0	\$0	\$0	\$0	\$0
129	RT	Load Forecast Uncertainty	SCE	LA Basin	31-May-12	25	Yes	INC	15	9:00	23:59	391.37	\$35,435	\$12,990	(\$19,190)	0	(\$7)	\$0	\$0	\$0	\$0
130	RT	Load Forecast Uncertainty	SCE	N/A	9-May-12	40	Yes	INC	1	23:00	23:59	42.94	\$2,820	\$0	(\$699)	0	\$0	\$0	\$0	\$0	\$0
131	RT	Load Forecast Uncertainty	SCE	N/A	10-May-12	40	Yes	INC	24	0:00	23:59	1628.57	\$67,688	\$0	(\$46,701)	0	\$0	\$0	\$0	\$0	\$0
132	RT	Load Forecast Uncertainty	SCE	N/A	20-May-12	40	Yes	INC	10	14:00	23:59	2070.14	\$31,024	\$0	(\$65,521)	0	\$0	\$0	\$0	\$0	\$0
133	RT	Load Forecast Uncertainty	SDG&E	San Diego	20-May-12	20	Yes	INC	10	14:00	23:59	414.89	\$13,706	\$0	(\$15,612)	0	\$0	\$0	\$0	\$0	\$0
134	RT	Load Forecast Uncertainty	SDG&E	San Diego	21-May-12	20	Yes	INC	6	0:00	5:59	40.00	\$2,741	\$0	(\$878)	0	\$0	\$0	\$0	\$0	\$0
135	RT	Los Banos North Mitigation	PG&E	N/A	31-May-12	54-162	No	DEC	3	18:53	20:59	-200.95	\$0	\$0	\$6,476	-169	\$0	\$5,553	\$0	(\$2,073)	\$0
136	RT	Market Disruption	Intertie	N/A	22-May-12	50	Yes	INC	1	20:00	20:59	0.00	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
137	RT	Market Disruption	Intertie	N/A	27-May-12	80	No	DEC	1	4:00	4:59	0.00	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
138	RT	Market Disruption	Intertie	N/A	27-May-12	273	Yes	INC	1	4:00	4:59	-50.00	\$0	\$0	(\$1,244)	-50	\$0	(\$1,244)	\$0	\$0	\$0
139	RT	Over Generation	PG&E	N/A	13-May-12	480	No	DEC	2	11:20	12:07	-370.87	\$0	\$0	(\$10,716)	-351	\$0	(\$10,151)	\$0	\$0	\$0
140	RT	Over Generation	PG&E	N/A	13-May-12	0	No	INC	2	11:20	12:07	0.00	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
141	RT	PG&E Import Limit	PG&E	Fresno	27-May-12	400-450	No	INC	5	2:15	6:59	208.74	\$0	\$0	(\$1,481)	67	\$1,054	\$0	(\$1,921)	\$0	\$0
142	RT	Path 15	PG&E	Bay Area	17-May-12	700	No	INC	1	13:31	13:33	-6.78	\$0	\$0	\$141	-2	\$0	\$33	\$0	\$0	\$0
143	RT	Path 15	PG&E	N/A	17-May-12	400	No	INC	1	13:31	13:33	-17.98	\$0	\$0	\$204	0	\$0	\$0	\$0	\$0	\$0
144	RT	Path 15	PG&E	N/A	31-May-12	150-400	Yes	INC	2	18:48	19:59	476.69	\$0	\$0	(\$28,007)	0	(\$1)	\$0	\$0	\$0	\$0
145	RT	Path 15	SCE	LA Basin	18-May-12	40	Yes	INC	17	7:00	23:59	722.14	\$61,532	\$0	(\$17,904)	0	\$0	\$0	\$0	\$0	\$0
146	RT	Path 15	SCE	LA Basin	22-May-12	40	Yes	INC	24	0:00	23:59	1668.23	\$86,869	\$0	(\$148,021)	0	\$0	\$0	\$0	\$0	\$0
147	RT	Path 15	SCE	LA Basin	23-May-12	40	Yes	INC	24	0:00	23:59	2157.81	\$86,869	\$0	(\$47,886)	0	\$0	\$0	\$0	\$0	\$0
148	RT	Ramp Rate	SCE	LA Basin	19-May-12	126-	No	INC	15	7:40	21:59	3493.50	\$0	\$0	(\$104,253)	1,457	(\$42,786)	\$0	\$0	\$0	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
						190															
149	RT	Ramp Rate	SCE	LA Basin	23-May-12	190	No	INC	6	15:20	20:59	918.78	\$0	\$0	(\$26,809)	784	(\$23,635)	\$0	\$0	\$0	\$0
150	RT	Ramp Rate	SDG&E	San Diego	10-May-12	63	No	INC	7	15:55	21:59	247.01	\$20,555	\$0	(\$6,640)	0	(\$18)	\$0	\$0	\$0	\$0
151	RT	Ramp Rate	SDG&E	San Diego	11-May-12	68	No	INC	15	5:55	19:59	-519.52	\$663	\$0	\$27,033	6	(\$169)	\$0	\$0	\$0	\$0
152	RT	Ramp Rate	SDG&E	San Diego	13-May-12	64	No	INC	4	18:28	21:59	207.87	\$17,123	\$0	(\$15,644)	4	(\$248)	\$0	\$0	\$0	\$0
153	RT	SDG&E Import Limit	SDG&E	San Diego	25-May-12	40	No	INC	9	11:10	19:59	148.98	\$4,732	\$176	(\$2,516)	0	\$0	\$0	\$0	\$0	\$0
154	RT	SP26 Capacity	SCE	LA Basin	1-May-12	20	Yes	INC	17	7:00	23:59	420.42	\$29,342	\$0	(\$14,611)	0	\$0	\$0	\$0	\$0	\$0
155	RT	SP26 Capacity	SCE	LA Basin	25-May-12	20	No	INC	24	0:00	23:59	511.31	\$43,434	\$0	(\$9,436)	0	\$0	\$0	\$0	\$0	\$0
156	RT	Software Limitation	PG&E	Bay Area	2-May-12	0	No	INC	2	1:04	2:59	23.76	\$2,645	\$0	\$735	0	\$0	\$0	\$0	\$0	\$0
157	RT	Software Limitation	PG&E	Fresno	1-May-12	0	Yes	INC	2	21:30	22:29	0.00	\$0	\$0	(\$0)	0	\$0	\$0	\$0	\$0	\$0
158	RT	Software Limitation	PG&E	Fresno	2-May-12	0	Yes	INC	2	22:20	23:19	0.00	\$0	\$0	(\$0)	0	\$0	\$0	\$0	\$0	\$0
159	RT	Software Limitation	PG&E	Fresno	11-May-12	317	Yes	INC	1	0:00	0:59	303.79	\$0	\$0	(\$5,987)	0	\$0	\$0	\$0	\$0	\$0
160	RT	Software Limitation	PG&E	Fresno	12-May-12	0	Yes	INC	1	9:00	9:14	-105.67	\$0	\$0	\$2,273	0	\$0	\$0	\$0	\$0	\$0
161	RT	Software Limitation	PG&E	Fresno	16-May-12	0	Yes	INC	3	1:15	3:44	5.33	\$0	\$0	(\$94)	0	\$0	\$0	\$0	\$0	\$0
162	RT	Software Limitation	PG&E	Fresno	22-May-12	400	Yes	INC	16	8:55	23:09	-218.26	\$0	\$0	\$5,156	-79	\$0	\$1,418	\$0	\$0	\$0
163	RT	Software Limitation	PG&E	Fresno	25-May-12	0	No	INC	1	9:29	9:44	-132.08	\$0	\$0	\$3,164	0	\$0	\$0	\$0	\$0	\$0
164	RT	Software Limitation	PG&E	Fresno	26-May-12	317	No	DEC	2	13:45	14:29	-290.58	\$0	\$0	\$9,352	0	\$0	\$0	\$0	\$0	\$0
165	RT	Software Limitation	PG&E	Fresno	27-May-12	0	Yes	INC	1	23:00	23:59	13.21	\$0	\$0	\$29	0	\$0	\$0	\$0	\$0	\$0
166	RT	Software Limitation	PG&E	Fresno	31-May-12	0	Yes	INC	1	12:00	12:59	0.00	\$0	\$0	(\$0)	0	\$0	\$0	\$0	\$0	\$0
167	RT	Software Limitation	PG&E	N/A	8-May-12	350	No	INC	5	13:55	17:59	-407.87	\$0	\$0	\$14,241	0	\$0	\$0	\$0	\$0	\$0
168	RT	Software Limitation	PG&E	N/A	20-May-12	185	No	INC	3	13:25	15:14	-52.45	\$0	\$0	\$1,707	0	\$0	\$0	\$0	\$0	\$0
169	RT	Software Limitation	PG&E	N/A	21-May-12	141	Yes	INC	2	4:40	5:59	194.95	\$0	\$0	(\$4,254)	0	\$0	\$0	\$0	\$0	\$0
170	RT	Software Limitation	PG&E	N/A	22-May-12	350	No	INC	2	22:37	23:09	245.54	\$6,459	\$0	(\$4,637)	0	\$0	\$0	\$0	\$0	\$0
171	RT	Software Limitation	SCE	Big Creek-Ventura	20-May-12	0	Yes	INC	1	20:00	20:44	0.00	\$0	\$80	(\$0)	0	\$0	\$0	\$0	\$0	\$0
172	RT	Software Limitation	SCE	Big Creek-Ventura	30-May-12	0	Yes	INC	2	16:45	17:14	0.85	\$260	\$34	(\$26)	0	\$0	\$0	\$0	\$0	\$0
173	RT	Software Limitation	SCE	LA Basin	9-May-12	47	Yes	DEC	1	15:00	15:59	-47.00	\$0	\$0	\$3	-47	\$0	\$3	\$0	\$0	\$0
174	RT	Software Limitation	SCE	LA Basin	9-May-12	0	Yes	INC	2	22:25	23:44	11.56	\$268	\$4	(\$236)	0	\$0	\$0	\$0	\$0	\$0
175	RT	Software Limitation	SCE	LA Basin	11-May-12	0	Yes	INC	2	15:35	16:34	3.91	\$0	\$0	(\$118)	0	\$0	\$0	\$0	\$0	\$0
176	RT	Software Limitation	SCE	LA Basin	14-May-12	0	Yes	INC	2	17:25	18:24	1.58	\$0	\$0	(\$32)	0	\$0	\$0	\$0	\$0	\$0
177	RT	Software Limitation	SCE	LA Basin	16-May-12	0	Yes	INC	4	16:40	19:14	4.56	\$131	\$0	(\$174)	0	\$0	\$0	\$0	\$0	\$0
178	RT	Software Limitation	SCE	LA Basin	17-May-12	46	No	DEC	2	15:40	16:39	-13.42	\$0	\$0	\$1	-13	\$0	\$1	\$0	\$0	\$0
179	RT	Software Limitation	SCE	LA Basin	17-May-12	0	Yes	INC	4	15:40	18:19	-1.92	\$0	\$0	\$76	0	\$0	\$0	\$0	\$0	\$0
180	RT	Software Limitation	SCE	LA Basin	20-May-12	0	Yes	INC	2	20:20	21:19	0.00	\$0	\$19	(\$0)	0	\$0	\$0	\$0	\$0	\$0
181	RT	Software Limitation	SCE	LA Basin	21-May-12	0	Yes	INC	2	20:40	21:44	7.73	\$0	\$0	(\$510)	0	\$0	\$0	\$0	\$0	\$0
182	RT	Software Limitation	SCE	LA Basin	22-May-12	350-675	No	INC	4	20:10	23:59	-283.53	\$23,954	\$0	\$5,229	-56	\$0	\$0	\$0	\$0	\$0
183	RT	Software Limitation	SCE	LA Basin	23-May-12	650	No	INC	1	0:00	0:44	-203.77	\$0	\$0	\$4,180	0	\$0	\$0	\$0	\$0	\$0
184	RT	Software Limitation	SCE	LA Basin	30-May-12	0	Yes	INC	2	22:45	23:44	1.58	\$0	\$0	(\$33)	0	\$0	\$0	\$0	\$0	\$0
185	RT	Software Limitation	SDG&E	N/A	10-May-12	490	No	INC	2	21:20	22:59	-94.66	\$0	\$0	\$2,121	-57	\$0	\$0	\$0	\$0	\$0
186	RT	Software Limitation	SDG&E	N/A	15-May-12	257	No	INC	3	0:00	2:29	-322.49	\$0	\$0	\$3,756	0	\$0	\$0	\$0	\$0	\$0
187	RT	Software Limitation	SDG&E	N/A	30-May-12	505	No	INC	2	0:06	1:29	-0.05	\$0	\$0	\$1	0	\$0	\$0	\$0	\$0	\$0
188	RT	Software Limitation	SDG&E	San Diego	7-May-12	290-	No	INC	12	10:30	21:59	-	\$898	\$0	\$78,114	0	\$0	\$0	\$0	\$0	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
						491						1546.71									
189	RT	Software Limitation	SDG&E	San Diego	8-May-12	0	Yes	INC	5	13:10	17:59	0.00	\$0	\$126	(\$0)	0	\$0	\$0	\$0	\$0	\$0
190	RT	Software Limitation	SDG&E	San Diego	21-May-12	0	Yes	INC	2	22:05	23:59	1.67	\$0	\$0	(\$54)	0	\$0	\$0	\$0	\$0	\$0
191	RT	Software Limitation	SDG&E	San Diego	22-May-12	800	Yes	INC	24	0:00	23:08	-25.85	\$0	\$0	\$183	-62	\$0	\$894	\$0	\$0	\$0
192	RT	Software Limitation	SDG&E	San Diego	30-May-12	0	Yes	INC	2	14:35	15:34	2.38	\$0	\$138	(\$52)	0	\$0	\$0	\$0	\$0	\$0
193	RT	Software Limitation	SDG&E	San Diego	31-May-12	50-197	No	DEC	4	4:35	7:59	85.43	\$0	\$0	(\$1,438)	0	\$0	\$0	\$0	\$0	\$0
194	RT	Software Limitation	SDG&E	San Diego	31-May-12	290	No	INC	1	8:15	8:59	-40.85	\$0	\$0	\$848	0	\$0	\$0	\$0	\$0	\$0
195	RT	Stranded A/S or RUC	SCE	LA Basin	3-May-12	110	No	INC	2	19:40	20:59	146.58	\$0	\$0	(\$7,624)	144	(\$7,525)	\$0	\$0	\$0	\$0
196	RT	Stranded A/S or RUC	SCE	LA Basin	8-May-12	45	No	INC	4	16:45	19:59	155.30	\$0	\$0	(\$6,335)	149	(\$6,144)	\$0	\$0	\$0	\$0
197	RT	System Energy	Intertie	N/A	1-May-12	574	No	DEC	1	3:00	3:59	0.00	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
198	RT	System Energy	Intertie	N/A	13-May-12	386	No	DEC	1	0:00	0:59	0.00	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
199	RT	System Energy	Intertie	N/A	13-May-12	325	Yes	INC	1	0:00	0:59	0.00	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
200	RT	System Energy	Intertie	N/A	14-May-12	100	No	DEC	1	1:00	1:59	0.00	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
201	RT	System Energy	Intertie	N/A	20-May-12	100	Yes	INC	1	16:00	16:59	0.00	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
202	RT	Thermal Margin	PG&E	N/A	17-May-12	400-405	No	INC	6	15:25	20:59	2695.83	\$64,200	\$0	(\$37,534)	423	(\$5,971)	\$0	(\$6,508)	\$0	\$0
203	RT	Thermal Margin	SCE	Big Creek-Ventura	17-May-12	20-40	Yes	INC	6	16:30	21:59	311.82	\$17,711	\$4,945	(\$36,736)	0	(\$4)	\$0	(\$1)	\$0	\$0
204	RT	Transmission Outage Other	PG&E	N/A	9-May-12	20	No	DEC	6	12:15	17:59	-94.93	\$0	\$0	\$15,043	-82	\$0	\$14,716	\$0	(\$12,605)	\$0
205	RT	Transmission Outage Other	PG&E	N/A	9-May-12	12	No	INC	6	12:15	17:59	11.17	\$0	\$0	(\$289)	1	(\$26)	\$0	\$0	\$0	\$0
206	RT	Transmission Outage Other	SCE	LA Basin	4-May-12	15	Yes	INC	14	8:05	21:59	289.00	\$4,024	\$0	(\$4,505)	0	\$0	\$0	\$0	\$0	\$0
207	RT	Transmission Outage Other	SCE	LA Basin	5-May-12	70	Yes	INC	16	3:00	18:59	1114.17	\$91,488	\$0	(\$21,571)	0	\$0	\$0	\$0	\$0	\$0
208	RT	Transmission Outage PG&E	PG&E	Bay Area	13-May-12	60	No	DEC	1	20:00	20:59	-55.00	\$0	\$0	\$581	-55	\$0	\$581	\$0	(\$581)	\$0
209	RT	Transmission Outage PG&E	PG&E	Bay Area	15-May-12	20	Yes	INC	8	14:06	21:59	247.33	\$7,200	\$269	(\$9,819)	0	\$0	\$0	\$0	\$0	\$0
210	RT	Transmission Outage PG&E	PG&E	Bay Area	16-May-12	19	No	INC	2	11:14	12:09	9.47	\$0	\$0	(\$464)	0	(\$2)	\$0	\$0	\$0	\$0
211	RT	Transmission Outage PG&E	PG&E	Bay Area	18-May-12	19	No	INC	3	20:40	22:04	22.13	\$832	\$0	(\$684)	0	(\$9)	\$0	\$0	(\$2)	\$0
212	RT	Transmission Outage PG&E	PG&E	Bay Area	21-May-12	35	Yes	INC	6	17:45	22:59	206.66	\$4,320	\$277	(\$5,900)	61	(\$1,617)	\$0	\$0	(\$327)	\$0
213	RT	Transmission Outage PG&E	PG&E	Bay Area	22-May-12	20	Yes	INC	17	7:24	23:59	317.79	\$14,400	\$0	(\$7,281)	0	\$0	\$0	\$0	\$0	\$0
214	RT	Transmission Outage PG&E	PG&E	Bay Area	23-May-12	20	Yes	INC	14	8:00	21:59	288.73	\$13,440	\$269	(\$5,981)	0	\$0	\$0	\$0	\$0	\$0
215	RT	Transmission Outage PG&E	PG&E	Bay Area	29-May-12	20	Yes	INC	13	10:50	22:59	260.41	\$7,208	\$269	(\$8,645)	5	(\$138)	\$0	\$0	(\$37)	\$0
216	RT	Transmission Outage PG&E	PG&E	Fresno	13-May-12	4- 58	No	DEC	3	20:25	22:59	-76.96	\$0	\$0	\$603	0	\$0	\$0	\$0	\$0	\$0
217	RT	Transmission Outage PG&E	PG&E	Fresno	13-May-12	450	No	INC	8	16:05	23:49	-560.07	\$0	\$0	(\$496)	0	\$0	\$0	\$0	\$0	\$0
218	RT	Transmission Outage PG&E	PG&E	Humboldt	1-May-12	29-58	No	INC	22	0:00	21:59	422.04	\$10,736	\$0	(\$4,156)	121	(\$1,175)	\$0	\$0	(\$2,046)	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
219	RT	Transmission Outage PG&E	PG&E	Humboldt	2-May-12	29-58	No	INC	16	8:45	23:59	252.08	\$6,405	\$0	(\$5,264)	64	(\$1,239)	\$0	\$0	(\$626)	\$0
220	RT	Transmission Outage PG&E	PG&E	Humboldt	3-May-12	29-61	No	INC	24	0:00	23:59	335.88	\$7,268	\$0	(\$9,084)	78	(\$1,798)	\$0	\$0	(\$469)	\$0
221	RT	Transmission Outage PG&E	PG&E	Humboldt	4-May-12	29	No	INC	5	7:20	11:59	54.24	\$1,862	\$0	(\$388)	5	(\$9)	\$0	\$0	(\$147)	\$0
222	RT	Transmission Outage PG&E	PG&E	Humboldt	16-May-12	29-30	No	INC	11	12:03	22:59	-22.98	\$69	\$0	(\$782)	-4	\$0	\$462	\$0	(\$293)	\$0
223	RT	Transmission Outage PG&E	PG&E	Humboldt	17-May-12	29-32	No	INC	4	13:55	16:59	-98.10	\$0	\$0	(\$2,059)	-71	\$0	(\$1,535)	\$0	(\$206)	\$0
224	RT	Transmission Outage PG&E	PG&E	N/A	4-May-12	20	No	DEC	2	15:15	16:59	-34.60	\$0	\$0	\$556	-35	\$0	\$556	\$0	\$0	\$0
225	RT	Transmission Outage PG&E	PG&E	N/A	4-May-12	0	No	INC	2	16:30	17:59	-6.96	\$0	\$0	\$99	-7	\$0	\$98	\$0	\$0	\$0
226	RT	Transmission Outage PG&E	PG&E	N/A	7-May-12	20	No	DEC	2	9:24	10:59	20.08	\$0	\$0	(\$341)	25	(\$436)	\$0	\$0	(\$4,342)	\$0
227	RT	Transmission Outage PG&E	PG&E	N/A	7-May-12	2- 124	Yes	INC	5	6:34	10:59	474.92	\$0	\$0	(\$16,637)	454	(\$15,833)	\$0	\$0	(\$78,159)	\$0
228	RT	Transmission Outage PG&E	PG&E	N/A	8-May-12	30	No	DEC	3	14:04	16:00	-44.04	\$0	\$0	\$1,381	-44	\$0	\$1,369	\$0	(\$278)	\$0
229	RT	Transmission Outage PG&E	PG&E	N/A	8-May-12	10	No	INC	3	14:20	16:19	-1.55	\$0	\$0	\$56	0	\$0	\$0	\$0	\$0	\$0
230	RT	Transmission Outage PG&E	PG&E	N/A	9-May-12	20	No	DEC	2	18:30	19:59	-13.33	\$0	\$0	\$300	-2	\$0	\$45	\$0	(\$3)	\$0
231	RT	Transmission Outage PG&E	PG&E	N/A	9-May-12	20	No	INC	2	18:30	19:59	6.15	\$0	\$0	(\$175)	0	\$0	\$0	\$0	\$0	\$0
232	RT	Transmission Outage PG&E	PG&E	N/A	10-May-12	5- 15	No	DEC	8	8:45	15:59	-68.59	\$0	\$0	\$1,271	-67	\$0	\$1,243	\$0	(\$14)	\$0
233	RT	Transmission Outage PG&E	PG&E	N/A	10-May-12	15	No	INC	9	15:10	23:59	42.86	\$0	\$0	(\$1,336)	0	\$0	\$1	\$0	\$0	\$0
234	RT	Transmission Outage PG&E	PG&E	N/A	11-May-12	5	No	DEC	2	22:22	23:13	-2.25	\$0	\$0	\$48	-2	\$0	\$54	\$0	(\$0)	\$0
235	RT	Transmission Outage PG&E	PG&E	N/A	11-May-12	5- 15	No	INC	24	0:00	23:59	110.68	\$0	\$0	(\$1,781)	0	\$0	\$0	\$0	\$0	\$0
236	RT	Transmission Outage PG&E	PG&E	N/A	12-May-12	5	No	INC	5	0:00	4:59	0.57	\$0	\$0	(\$9)	0	\$0	\$0	\$0	\$0	\$0
237	RT	Transmission Outage PG&E	PG&E	N/A	22-May-12	28	No	DEC	6	0:20	5:59	-149.15	\$0	\$0	\$3,063	-149	\$0	\$3,063	\$0	\$0	\$0
238	RT	Transmission Outage PG&E	PG&E	NCNB	2-May-12	16-66	No	DEC	13	7:55	19:59	-748.71	\$0	\$0	\$16,386	-741	\$0	\$16,245	\$0	(\$45,136)	\$0
239	RT	Transmission Outage PG&E	PG&E	NCNB	20-May-12	19-45	No	DEC	23	1:47	23:59	-778.41	\$0	\$0	\$21,206	-759	\$0	\$20,747	\$0	(\$47,807)	\$0
240	RT	Transmission Outage PG&E	PG&E	NCNB	21-May-12	6- 43	No	DEC	24	0:00	23:59	-744.27	\$0	\$0	\$8,719	-729	\$0	\$14,054	\$0	(\$43,648)	\$0
241	RT	Transmission Outage PG&E	PG&E	NCNB	21-May-12	1	No	INC	5	19:25	23:59	-2.66	\$0	\$0	\$74	0	\$0	\$5	\$0	(\$12)	\$0
242	RT	Transmission Outage PG&E	PG&E	NCNB	22-May-12	18-28	No	DEC	24	0:00	23:59	-635.71	\$0	\$0	\$12,355	-630	\$0	\$12,234	\$0	(\$35,631)	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
243	RT	Transmission Outage PG&E	PG&E	NCNB	22-May-12	0	No	INC	1	0:00	0:59	-0.62	\$0	\$0	\$12	0	\$0	\$8	\$0	(\$4)	\$0
244	RT	Transmission Outage PG&E	PG&E	NCNB	23-May-12	27-29	No	DEC	17	0:00	16:59	-468.71	\$0	\$0	\$8,932	-469	\$0	\$8,930	\$0	(\$27,155)	\$0
245	RT	Transmission Outage PG&E	PG&E	Sierra	3-May-12	0	Yes	INC	2	12:40	13:39	0.00	\$0	\$29	(\$0)	0	\$0	\$0	\$0	\$0	\$0
246	RT	Transmission Outage PG&E	PG&E	Sierra	7-May-12	8- 105	Yes	DEC	10	14:45	23:59	-284.67	\$0	\$0	\$12,933	-109	\$0	\$7,410	\$0	(\$7,304)	\$0
247	RT	Transmission Outage PG&E	PG&E	Sierra	7-May-12	3- 68	Yes	INC	9	7:04	15:59	378.71	\$0	\$0	(\$14,680)	295	(\$9,032)	\$0	\$0	(\$229)	\$0
248	RT	Transmission Outage PG&E	PG&E	Sierra	8-May-12	20-97	No	DEC	17	0:00	16:59	1422.03	\$0	\$0	\$34,964	-1,383	\$0	\$32,551	\$0	(\$32,204)	\$0
249	RT	Transmission Outage PG&E	PG&E	Sierra	8-May-12	8	No	INC	14	10:45	23:59	-1.74	\$0	\$0	\$37	0	\$0	\$0	\$0	\$0	\$0
250	RT	Transmission Outage PG&E	PG&E	Sierra	9-May-12	3- 47	No	DEC	17	0:10	16:59	-565.95	\$0	\$0	\$46,183	-551	\$0	\$42,303	\$0	(\$32,355)	\$0
251	RT	Transmission Outage PG&E	PG&E	Sierra	9-May-12	20	No	INC	24	0:00	23:59	23.22	\$0	\$0	(\$592)	-24	\$0	\$530	\$0	(\$61)	\$0
252	RT	Transmission Outage PG&E	PG&E	Sierra	10-May-12	2- 48	No	DEC	24	0:10	23:59	-533.90	\$0	\$0	\$9,282	-516	\$0	\$8,950	\$0	(\$443)	\$0
253	RT	Transmission Outage PG&E	PG&E	Sierra	10-May-12	2- 7	No	INC	8	0:00	7:59	-17.80	\$0	\$0	\$327	-16	\$0	\$282	\$0	(\$12)	\$0
254	RT	Transmission Outage PG&E	PG&E	Sierra	11-May-12	2- 63	No	DEC	24	0:00	23:59	-841.24	\$0	\$0	\$27,056	-758	\$0	\$24,870	\$0	(\$12,638)	\$0
255	RT	Transmission Outage PG&E	PG&E	Sierra	11-May-12	12	No	INC	8	16:30	23:59	0.03	\$0	\$0	(\$1)	0	\$0	\$0	\$0	\$0	\$0
256	RT	Transmission Outage PG&E	PG&E	Sierra	12-May-12	7- 33	No	DEC	14	1:10	14:59	-325.14	\$0	\$0	\$5,808	-312	\$0	\$5,610	\$0	(\$512)	\$0
257	RT	Transmission Outage PG&E	PG&E	Sierra	13-May-12	3- 18	No	DEC	10	1:00	10:39	-192.20	\$0	\$0	\$1,114	-188	\$0	\$1,042	\$0	(\$10)	\$0
258	RT	Transmission Outage PG&E	PG&E	Sierra	13-May-12	7	No	INC	1	0:00	0:59	-0.67	\$0	\$0	\$12	0	\$0	\$0	\$0	\$0	\$0
259	RT	Transmission Outage PG&E	PG&E	Sierra	14-May-12	13-66	No	DEC	24	0:00	23:59	1115.29	\$0	\$0	\$20,892	-1,108	\$0	\$20,759	\$0	(\$1,821)	\$0
260	RT	Transmission Outage PG&E	PG&E	Sierra	15-May-12	23-51	No	DEC	23	1:10	23:59	1032.91	\$0	\$0	\$17,803	-1,017	\$0	\$17,677	\$0	(\$7,178)	\$0
261	RT	Transmission Outage PG&E	PG&E	Sierra	16-May-12	6- 56	No	DEC	14	3:40	16:59	-628.13	\$0	\$0	\$28,426	-537	\$0	\$23,683	\$0	(\$13,813)	\$0
262	RT	Transmission Outage PG&E	PG&E	Sierra	16-May-12	0- 70	Yes	INC	18	6:35	23:59	71.53	\$3,520	\$269	(\$2,373)	0	\$0	\$3	\$0	(\$0)	\$0
263	RT	Transmission Outage PG&E	PG&E	Sierra	17-May-12	10-36	No	DEC	20	4:10	23:59	-483.58	\$0	\$0	\$8,297	-483	\$0	\$8,291	\$0	(\$1,881)	\$0
264	RT	Transmission Outage PG&E	PG&E	Sierra	17-May-12	40	No	INC	24	0:00	23:59	109.63	\$0	\$0	(\$2,174)	-17	\$0	\$310	\$0	(\$3)	\$0
265	RT	Transmission Outage PG&E	PG&E	Sierra	18-May-12	10-71	No	DEC	24	0:00	23:59	-735.24	\$0	\$0	\$16,500	-727	\$0	\$16,347	\$0	(\$2,430)	\$0
266	RT	Transmission Outage PG&E	PG&E	Sierra	18-May-12	2- 48	No	INC	8	16:20	23:59	-17.83	\$0	\$0	\$377	-17	\$0	\$358	\$0	(\$36)	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
267	RT	Transmission Outage PG&E	PG&E	Sierra	19-May-12	10-66	No	DEC	15	0:00	14:59	-530.67	\$0	\$0	\$12,322	-518	\$0	\$11,991	\$0	(\$2,231)	\$0
268	RT	Transmission Outage PG&E	PG&E	Sierra	19-May-12	15-30	No	INC	1	23:05	23:59	31.67	\$0	\$0	(\$706)	0	\$0	\$0	\$0	\$0	\$0
269	RT	Transmission Outage PG&E	PG&E	Sierra	20-May-12	1- 46	No	DEC	11	1:10	11:59	-263.58	\$0	\$0	\$7,970	-254	\$0	\$7,738	\$0	(\$2,677)	\$0
270	RT	Transmission Outage PG&E	PG&E	Sierra	20-May-12	15	No	INC	13	0:00	12:59	-12.56	\$0	\$0	\$279	-13	\$0	\$280	\$0	(\$35)	\$0
271	RT	Transmission Outage PG&E	PG&E	Sierra	21-May-12	15-16	No	DEC	20	1:30	20:59	-269.89	\$0	\$0	\$3,865	-270	\$0	\$3,861	\$0	(\$878)	\$0
272	RT	Transmission Outage PG&E	PG&E	Sierra	21-May-12	30-46	No	INC	15	6:55	20:59	89.17	\$0	\$0	(\$2,765)	0	\$0	\$7	\$0	(\$3)	\$0
273	RT	Transmission Outage PG&E	PG&E	Sierra	22-May-12	10-66	No	DEC	18	3:10	20:59	-535.62	\$0	\$0	\$10,492	-533	\$0	\$10,445	\$0	(\$615)	\$0
274	RT	Transmission Outage PG&E	PG&E	Sierra	22-May-12	20-30	No	INC	8	16:00	23:59	35.50	\$0	\$0	(\$761)	0	\$0	\$0	\$0	\$0	\$0
275	RT	Transmission Outage PG&E	PG&E	Sierra	23-May-12	10-36	No	DEC	24	0:20	23:59	-489.60	\$0	\$0	\$9,082	-482	\$0	\$8,915	\$0	(\$128)	\$0
276	RT	Transmission Outage PG&E	PG&E	Sierra	23-May-12	10	No	INC	24	0:00	23:59	18.48	\$0	\$0	(\$473)	-7	\$0	\$147	\$0	(\$2)	\$0
277	RT	Transmission Outage PG&E	PG&E	Sierra	24-May-12	10-40	No	DEC	20	0:00	19:59	-512.81	\$0	\$0	\$10,321	-490	\$0	\$9,838	\$0	(\$5,148)	\$0
278	RT	Transmission Outage PG&E	PG&E	Sierra	29-May-12	20	Yes	INC	9	14:35	22:59	300.07	\$7,200	\$286	(\$16,943)	0	\$0	\$0	\$0	\$0	\$0
279	RT	Transmission Outage PG&E	PG&E	Stockton	31-May-12	5- 50	No	DEC	6	17:00	22:59	-48.09	\$0	\$0	\$26,930	0	\$0	\$0	\$0	\$0	\$0
280	RT	Transmission Outage PG&E	PG&E	Stockton	31-May-12	30-70	No	INC	6	17:00	22:59	265.59	\$0	\$0	(\$114,258)	155	(\$72,342)	\$0	\$0	\$0	\$0
281	RT	Transmission Outage SCE	Intertie	N/A	15-May-12	14	No	DEC	1	13:05	13:59	-13.27	\$0	\$0	\$13	-13	\$0	\$0	\$0	\$0	\$0
282	RT	Transmission Outage SCE	SCE	LA Basin	1-May-12	3- 175	No	DEC	24	0:21	23:58	2575.16	\$0	\$0	\$9,474	-1,861	\$0	\$7,309	\$0	(\$9,732)	\$0
283	RT	Transmission Outage SCE	SCE	LA Basin	1-May-12	1- 71	No	INC	24	0:21	23:58	-163.89	\$0	\$0	\$1,003	0	\$0	\$0	\$0	\$0	\$0
284	RT	Transmission Outage SCE	SCE	LA Basin	2-May-12	10-201	No	DEC	24	0:00	23:58	2059.02	\$0	\$0	\$24,714	-1,842	\$0	\$21,759	\$0	(\$12,361)	\$0
285	RT	Transmission Outage SCE	SCE	LA Basin	2-May-12	176	No	INC	24	0:00	23:58	442.77	\$0	\$0	(\$10,330)	0	\$0	\$0	\$0	\$0	\$0
286	RT	Transmission Outage SCE	SCE	LA Basin	3-May-12	2- 232	No	DEC	24	0:00	23:58	2789.53	\$0	\$0	\$59,047	-2,569	\$0	\$54,143	\$0	(\$32,710)	\$0
287	RT	Transmission Outage SCE	SCE	LA Basin	3-May-12	4- 148	No	INC	24	0:00	23:58	522.40	\$0	\$0	(\$18,195)	0	\$0	\$0	\$0	\$0	\$0
288	RT	Transmission Outage SCE	SCE	LA Basin	4-May-12	22-249	No	DEC	24	0:00	23:58	3325.74	\$0	\$0	\$64,497	-3,085	\$0	\$59,079	\$0	(\$34,842)	\$0
289	RT	Transmission Outage SCE	SCE	LA Basin	4-May-12	1- 104	No	INC	24	0:00	23:58	359.84	\$0	\$0	(\$2,688)	0	\$0	\$0	\$0	\$0	\$0
290	RT	Transmission Outage SCE	SCE	LA Basin	5-May-12	9- 249	No	DEC	24	0:00	23:58	2243.18	\$0	\$0	\$36,566	-1,840	\$0	\$30,530	\$0	(\$16,142)	\$0
291	RT	Transmission Outage SCE	SCE	LA Basin	5-May-12	2- 311	No	INC	24	0:00	23:58	553.38	\$0	\$0	(\$6,777)	0	\$0	\$0	\$0	\$0	\$0
292	RT	Transmission Outage SCE	SCE	LA Basin	6-May-12	12-190	No	DEC	24	0:00	23:58	1600.00	\$0	\$0	\$17,962	-816	\$0	\$6,858	\$0	(\$4,643)	\$0
293	RT	Transmission Outage SCE	SCE	LA Basin	6-May-12	1- 306	No	INC	24	0:00	23:58	868.17	\$0	\$0	(\$16,337)	0	\$0	\$0	\$0	\$0	\$0
294	RT	Transmission Outage SCE	SCE	LA Basin	7-May-12	21-	No	DEC	24	0:00	23:58	-	\$0	\$0	\$165,658	-1,978	\$0	\$162,782	\$0	(\$144,51)	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
						249						2116.42									0)
295	RT	Transmission Outage SCE	SCE	LA Basin	7-May-12	3-307	No	INC	24	0:00	23:58	729.87	\$0	\$0	(\$35,219)	0	\$0	\$0	\$0	\$0	\$0
296	RT	Transmission Outage SCE	SCE	LA Basin	8-May-12	13-111	No	DEC	24	0:00	23:58	1053.81	\$0	\$0	\$30,633	-375	\$0	\$10,863	\$0	(\$6,616)	\$0
297	RT	Transmission Outage SCE	SCE	LA Basin	8-May-12	17-321	No	INC	24	0:00	23:58	1520.18	\$0	\$0	(\$41,818)	0	\$0	\$0	\$0	\$0	\$0
298	RT	Transmission Outage SCE	SCE	LA Basin	9-May-12	317	No	INC	24	0:00	23:58	615.89	\$0	\$0	(\$76,173)	0	\$0	\$0	\$0	\$0	\$0
299	RT	Transmission Outage SCE	SCE	LA Basin	10-May-12	0	No	INC	24	0:00	23:58	1532.38	\$0	\$0	\$32,707	0	\$0	\$0	\$0	\$0	\$0
300	RT	Transmission Outage SCE	SCE	LA Basin	11-May-12	307	No	INC	24	0:00	23:58	-767.84	\$0	\$0	\$29,484	0	\$0	\$0	\$0	\$0	\$0
301	RT	Transmission Outage SCE	SCE	LA Basin	12-May-12	321	No	INC	24	0:00	23:58	-723.05	\$0	\$0	\$7,423	0	\$0	\$0	\$0	\$0	\$0
302	RT	Transmission Outage SCE	SCE	LA Basin	13-May-12	316	No	INC	24	0:00	23:58	-476.13	\$0	\$0	\$30,055	0	\$0	\$0	\$0	\$0	\$0
303	RT	Transmission Outage SCE	SCE	LA Basin	14-May-12	12-42	No	DEC	19	5:36	23:58	-205.31	\$0	\$0	\$2,737	-47	\$0	\$640	\$0	(\$619)	\$0
304	RT	Transmission Outage SCE	SCE	LA Basin	14-May-12	21-378	No	INC	24	0:00	23:58	10.06	\$0	\$0	\$5,746	0	\$0	\$0	\$0	\$0	\$0
305	RT	Transmission Outage SCE	SCE	LA Basin	15-May-12	72	No	INC	24	0:00	23:58	1067.33	\$0	\$0	\$22,245	0	\$0	\$0	\$0	\$0	\$0
306	RT	Transmission Outage SCE	SCE	LA Basin	16-May-12	291	No	INC	24	0:00	23:58	337.65	\$0	\$0	(\$36,633)	0	\$0	\$0	\$0	\$0	\$0
307	RT	Transmission Outage SCE	SCE	LA Basin	17-May-12	132	No	INC	24	0:00	23:58	417.98	\$0	\$0	(\$57,891)	0	\$0	\$0	\$0	\$0	\$0
308	RT	Transmission Outage SCE	SCE	LA Basin	18-May-12	54-62	No	DEC	24	0:00	23:58	1639.87	\$0	\$0	\$37,949	-1,354	\$0	\$31,357	\$0	(\$17,787)	\$0
309	RT	Transmission Outage SCE	SCE	LA Basin	18-May-12	16	No	INC	6	10:15	15:37	77.01	\$0	\$0	(\$1,756)	0	\$0	\$0	\$0	\$0	\$0
310	RT	Transmission Outage SCE	SCE	LA Basin	19-May-12	19-54	No	DEC	24	0:00	23:58	1300.76	\$0	\$0	\$30,970	-596	\$0	\$13,302	\$0	(\$4,979)	\$0
311	RT	Transmission Outage SCE	SCE	LA Basin	19-May-12	67-310	No	INC	24	0:00	23:58	177.66	\$0	\$0	(\$5,934)	0	\$0	\$0	\$0	\$0	\$0
312	RT	Transmission Outage SCE	SCE	LA Basin	20-May-12	306	No	INC	24	0:00	23:58	1051.63	\$0	\$0	\$35,601	0	\$0	\$0	\$0	\$0	\$0
313	RT	Transmission Outage SCE	SCE	LA Basin	21-May-12	5	No	DEC	24	0:00	23:58	-159.40	\$0	\$0	\$7,878	-4	\$0	\$208	\$0	\$0	\$0
314	RT	Transmission Outage SCE	SCE	LA Basin	21-May-12	278	No	INC	24	0:00	23:58	-515.08	\$0	\$0	\$70,179	0	\$0	\$0	\$0	\$0	\$0
315	RT	Transmission Outage SCE	SCE	LA Basin	22-May-12	5	No	DEC	24	0:00	23:58	-97.94	\$0	\$0	\$3,467	-40	\$0	\$1,562	\$0	(\$1,090)	\$0
316	RT	Transmission Outage SCE	SCE	LA Basin	22-May-12	0	No	INC	24	0:00	23:58	-429.03	\$0	\$0	\$32,137	0	\$0	\$0	\$0	\$0	\$0
317	RT	Transmission Outage SCE	SCE	LA Basin	23-May-12	5	No	DEC	24	0:00	23:58	-279.20	\$0	\$0	\$5,539	-40	\$0	\$788	\$0	(\$338)	\$0
318	RT	Transmission Outage SCE	SCE	LA Basin	23-May-12	90	No	INC	24	0:00	23:58	-460.64	\$0	\$0	\$9,536	0	\$0	\$0	\$0	\$0	\$0
319	RT	Transmission Outage SCE	SCE	LA Basin	24-May-12	5	No	DEC	24	0:00	23:58	-23.11	\$0	\$0	\$424	-9	\$0	\$164	\$0	(\$86)	\$0
320	RT	Transmission Outage SCE	SCE	LA Basin	24-May-12	207	No	INC	24	0:00	23:58	137.98	\$0	\$0	(\$2,931)	0	\$0	\$0	\$0	\$0	\$0
321	RT	Transmission Outage SCE	SCE	LA Basin	25-May-12	264	No	INC	24	0:00	23:58	1384.44	\$0	\$0	(\$25,521)	0	\$0	\$0	\$0	\$0	\$0
322	RT	Transmission Outage SCE	SCE	LA Basin	26-May-12	0	No	INC	24	0:00	23:58	1485.84	\$0	\$0	\$30,046	0	\$0	\$0	\$0	\$0	\$0
323	RT	Transmission Outage SCE	SCE	LA Basin	27-May-12	312	No	INC	24	0:00	23:58	1328.68	\$0	\$0	\$24,913	0	\$0	\$0	\$0	\$0	\$0
324	RT	Transmission Outage SCE	SCE	LA Basin	28-May-12	5	No	DEC	24	0:00	23:58	-276.95	\$0	\$0	\$30,471	-4	\$0	\$526	\$0	(\$364)	\$0
325	RT	Transmission Outage SCE	SCE	LA Basin	28-May-12	283	No	INC	24	0:00	23:58	2018.61	\$0	\$0	\$34,423	0	\$0	\$0	\$0	\$0	\$0
326	RT	Transmission Outage SCE	SCE	LA Basin	29-May-12	5	No	DEC	24	0:00	23:58	-680.93	\$0	\$0	\$19,658	-14	\$0	\$412	\$0	(\$38)	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
327	RT	Transmission Outage SCE	SCE	LA Basin	29-May-12	183	No	INC	24	0:00	23:58	1493.94	\$0	\$0	\$67,254	0	\$0	\$0	\$0	\$0	\$0
328	RT	Transmission Outage SCE	SCE	LA Basin	30-May-12	1- 103	No	DEC	19	5:00	23:58	1032.08	\$0	\$0	\$23,309	-872	\$0	\$18,677	\$0	(\$13,681)	\$0
329	RT	Transmission Outage SCE	SCE	LA Basin	30-May-12	198	No	INC	24	0:00	23:58	461.46	\$0	\$0	(\$16,881)	0	\$0	\$0	\$0	\$0	\$0
330	RT	Transmission Outage SCE	SCE	LA Basin	31-May-12	34-249	No	DEC	22	0:00	21:14	2431.62	\$0	\$0	\$68,385	-1,955	\$0	\$44,012	\$0	(\$26,339)	\$0
331	RT	Transmission Outage SCE	SCE	LA Basin	31-May-12	81-321	No	INC	22	0:00	21:14	380.61	\$0	\$0	(\$44,934)	0	\$0	\$0	\$0	\$0	\$0
332	RT	Transmission Outage SCE	SCE	N/A	1-May-12	1- 16	No	DEC	24	0:21	23:58	-50.17	\$0	\$0	\$139	-43	\$0	\$171	\$0	(\$337)	\$0
333	RT	Transmission Outage SCE	SCE	N/A	1-May-12	68-137	No	INC	24	0:21	23:58	434.21	\$0	\$0	(\$5,040)	-23	\$0	(\$141)	\$0	(\$55)	\$0
334	RT	Transmission Outage SCE	SCE	N/A	2-May-12	1- 6	No	DEC	24	0:00	23:58	-32.58	\$0	\$0	\$537	-18	\$0	\$304	\$0	(\$223)	\$0
335	RT	Transmission Outage SCE	SCE	N/A	2-May-12	64-104	No	INC	24	0:00	23:58	521.69	\$0	\$0	(\$7,945)	0	\$0	\$0	\$0	\$0	\$0
336	RT	Transmission Outage SCE	SCE	N/A	3-May-12	1- 6	No	DEC	24	0:00	23:58	-53.02	\$0	\$0	\$1,507	-18	\$0	\$695	\$0	(\$613)	\$0
337	RT	Transmission Outage SCE	SCE	N/A	3-May-12	64-132	Yes	INC	24	0:00	23:58	699.62	\$0	\$0	(\$12,715)	0	\$0	\$0	\$0	\$0	\$0
338	RT	Transmission Outage SCE	SCE	N/A	4-May-12	1- 3	No	DEC	24	0:00	23:58	-3.79	\$0	\$0	\$90	-4	\$0	\$87	\$0	(\$79)	\$0
339	RT	Transmission Outage SCE	SCE	N/A	4-May-12	68-100	No	INC	24	0:00	23:58	401.30	\$0	\$0	(\$4,496)	0	\$0	\$0	\$0	\$0	\$0
340	RT	Transmission Outage SCE	SCE	N/A	5-May-12	1- 3	No	DEC	24	0:00	23:58	-19.34	\$0	\$0	\$988	-4	\$0	\$160	\$0	\$0	\$0
341	RT	Transmission Outage SCE	SCE	N/A	5-May-12	92-165	Yes	INC	24	0:00	23:58	-57.34	\$0	\$0	\$2,205	0	\$0	\$0	\$0	\$0	\$0
342	RT	Transmission Outage SCE	SCE	N/A	6-May-12	1- 3	No	DEC	24	0:00	23:58	-10.23	\$0	\$0	\$256	-4	\$0	\$98	\$0	(\$31)	\$0
343	RT	Transmission Outage SCE	SCE	N/A	6-May-12	112-316	Yes	INC	24	0:00	23:58	233.63	\$11,677	\$0	(\$349)	0	(\$0)	\$0	\$0	(\$0)	\$0
344	RT	Transmission Outage SCE	SCE	N/A	7-May-12	1- 3	No	DEC	24	0:00	23:58	-3.79	\$0	\$0	\$646	-4	\$0	\$568	\$0	(\$560)	\$0
345	RT	Transmission Outage SCE	SCE	N/A	7-May-12	68-179	Yes	INC	24	0:00	23:58	264.78	\$0	\$0	(\$9,090)	0	\$0	\$0	\$0	\$0	\$0
346	RT	Transmission Outage SCE	SCE	N/A	8-May-12	1- 3	Yes	DEC	24	0:00	23:58	-26.43	\$0	\$0	\$808	-13	\$0	\$336	\$0	(\$197)	\$0
347	RT	Transmission Outage SCE	SCE	N/A	8-May-12	94-144	Yes	INC	24	0:00	23:58	-190.74	\$0	\$0	\$3,124	0	\$0	\$0	\$0	\$0	\$0
348	RT	Transmission Outage SCE	SCE	N/A	9-May-12	68-178	Yes	INC	24	0:00	23:58	683.89	\$0	\$0	(\$34,520)	0	\$0	\$0	\$0	\$0	\$0
349	RT	Transmission Outage SCE	SCE	N/A	10-May-12	68-105	No	INC	24	0:00	23:58	444.28	\$0	\$0	(\$11,541)	0	\$0	\$0	\$0	\$0	\$0
350	RT	Transmission Outage SCE	SCE	N/A	11-May-12	68-132	No	INC	24	0:00	23:58	283.59	\$0	\$0	(\$5,097)	0	\$0	\$0	\$0	\$0	\$0
351	RT	Transmission Outage SCE	SCE	N/A	12-May-12	90-179	Yes	INC	24	0:00	23:58	389.83	\$0	\$0	(\$7,529)	0	\$0	\$0	\$0	\$0	\$0
352	RT	Transmission Outage SCE	SCE	N/A	13-May-12	105-178	Yes	INC	24	0:00	23:58	192.17	\$0	\$0	\$2,000	0	\$0	\$0	\$0	\$0	\$0
353	RT	Transmission Outage SCE	SCE	N/A	14-May-12	138-239	Yes	INC	24	0:00	23:58	241.71	\$0	\$0	(\$5,844)	0	\$0	\$0	\$0	\$0	\$0
354	RT	Transmission Outage SCE	SCE	N/A	15-May-12	154-163	No	INC	24	0:00	23:58	1482.12	\$0	\$0	(\$38,567)	0	\$0	\$0	\$0	\$0	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
355	RT	Transmission Outage SCE	SCE	N/A	16-May-12	128-172	Yes	INC	24	0:00	23:58	1199.43	\$0	\$0	(\$36,825)	0	\$0	\$0	\$0	\$0	\$0
356	RT	Transmission Outage SCE	SCE	N/A	17-May-12	68-157	No	INC	24	0:00	23:58	1425.42	\$0	\$0	(\$73,498)	0	\$0	\$0	\$0	\$0	\$0
357	RT	Transmission Outage SCE	SCE	N/A	18-May-12	5- 11	No	DEC	24	0:00	23:58	-366.63	\$0	\$0	\$8,467	-214	\$0	\$5,012	\$0	(\$3,127)	\$0
358	RT	Transmission Outage SCE	SCE	N/A	18-May-12	68-105	Yes	INC	24	0:00	23:58	1303.93	\$0	\$0	(\$30,012)	0	\$0	\$0	\$0	\$0	\$0
359	RT	Transmission Outage SCE	SCE	N/A	19-May-12	4- 11	No	DEC	24	0:00	23:58	-188.68	\$0	\$0	\$4,350	-122	\$0	\$2,714	\$0	(\$1,883)	\$0
360	RT	Transmission Outage SCE	SCE	N/A	19-May-12	30-110	Yes	INC	24	0:00	23:58	27.10	\$0	\$0	(\$690)	0	\$0	\$0	\$0	\$0	\$0
361	RT	Transmission Outage SCE	SCE	N/A	20-May-12	97-176	No	INC	24	0:00	23:58	322.61	\$0	\$0	(\$6,839)	0	\$0	\$0	\$0	\$0	\$0
362	RT	Transmission Outage SCE	SCE	N/A	21-May-12	68-180	Yes	INC	24	0:00	23:58	447.17	\$0	\$0	(\$12,938)	0	\$0	\$0	\$0	\$0	\$0
363	RT	Transmission Outage SCE	SCE	N/A	22-May-12	68-74	Yes	INC	24	0:00	23:58	1302.78	\$0	\$0	(\$61,824)	0	\$0	\$0	\$0	\$0	\$0
364	RT	Transmission Outage SCE	SCE	N/A	23-May-12	68-74	No	INC	24	0:00	23:58	424.13	\$0	\$0	(\$8,909)	0	\$0	\$0	\$0	\$0	\$0
365	RT	Transmission Outage SCE	SCE	N/A	24-May-12	68-135	No	INC	24	0:00	23:58	1436.41	\$0	\$0	(\$28,414)	0	\$0	\$0	\$0	\$0	\$0
366	RT	Transmission Outage SCE	SCE	N/A	25-May-12	68-123	No	INC	24	0:00	23:58	1527.87	\$0	\$0	(\$25,443)	0	\$0	\$0	\$0	\$0	\$0
367	RT	Transmission Outage SCE	SCE	N/A	26-May-12	68	No	INC	24	0:00	23:58	1209.05	\$0	\$0	(\$29,899)	0	\$0	\$0	\$0	\$0	\$0
368	RT	Transmission Outage SCE	SCE	N/A	27-May-12	90-177	Yes	INC	24	0:00	23:58	771.16	\$0	\$0	(\$14,020)	0	\$0	\$0	\$0	\$0	\$0
369	RT	Transmission Outage SCE	SCE	N/A	28-May-12	68-172	Yes	INC	24	0:00	23:58	502.76	\$0	\$0	(\$7,209)	0	\$0	\$0	\$0	\$0	\$0
370	RT	Transmission Outage SCE	SCE	N/A	29-May-12	68-141	No	INC	24	0:00	23:58	678.41	\$0	\$0	(\$25,013)	0	\$0	\$0	\$0	\$0	\$0
371	RT	Transmission Outage SCE	SCE	N/A	30-May-12	0- 35	No	DEC	19	5:00	23:58	-364.54	\$0	\$0	\$9,175	-275	\$0	\$6,714	\$0	(\$4,349)	\$0
372	RT	Transmission Outage SCE	SCE	N/A	30-May-12	46-111	No	INC	24	0:00	23:58	1146.94	\$0	\$0	(\$22,337)	0	\$0	\$0	\$0	\$0	\$0
373	RT	Transmission Outage SCE	SCE	N/A	31-May-12	7- 53	No	DEC	22	0:00	21:14	-456.75	\$0	\$0	\$12,275	-414	\$0	\$9,312	\$0	(\$6,897)	\$0
374	RT	Transmission Outage SCE	SCE	N/A	31-May-12	90-179	Yes	INC	22	0:00	21:14	1064.89	\$0	\$0	(\$39,493)	0	\$0	\$0	\$0	\$0	\$0
375	RT	Transmission Outage SDG&E	SDG&E	San Diego	7-May-12	60-190	No	DEC	4	12:45	15:59	-527.25	\$0	\$0	\$19,683	-440	\$0	\$17,267	\$0	(\$5,072)	\$0
376	RT	Transmission Outage SDG&E	SDG&E	San Diego	7-May-12	63-135	No	INC	4	12:50	15:59	-485.68	\$0	\$0	\$19,788	-482	\$0	\$19,784	\$0	(\$7,072)	\$0
377	RT	Transmission Outage SDG&E	SDG&E	San Diego	23-May-12	1- 25	No	DEC	3	10:50	12:59	-19.72	\$0	\$0	\$422	1	(\$14)	\$0	\$0	(\$5)	\$0
378	RT	Transmission Outage SDG&E	SDG&E	San Diego	23-May-12	15-64	No	INC	3	10:35	12:59	16.09	\$0	\$0	(\$356)	15	(\$321)	\$0	\$0	(\$146)	\$0
379	RT	Unit Testing	PG&E	Fresno	25-May-12	200-400	No	INC	6	10:05	15:59	1686.16	\$0	\$0	(\$48,718)	1,211	(\$41,056)	\$0	\$0	\$0	\$0
380	RT	Unit Testing	PG&E	N/A	17-May-12	52-700	No	INC	6	10:45	15:59	3400.39	\$66,269	\$125,988	(\$36,335)	36	(\$1,159)	\$0	\$0	\$0	\$0
381	RT	Unit Testing	SCE	LA Basin	21-May-12	126-	No	INC	5	13:00	17:59	267.91	\$0	\$0	(\$49,269)	225	(\$11,615)	\$0	\$0	\$0	\$0

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Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
						133															
382	RT	Unit Testing	SCE	LA Basin	22-May-12	124	No	INC	12	6:00	17:59	174.21	\$0	\$0	(\$8,021)	183	(\$8,317)	\$0	\$0	\$0	\$0
383	RT	Voltage Support	PG&E	N/A	1-May-12	52	No	INC	10	0:00	9:59	1900.00	\$62,080	\$0	\$1,567	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 $20\text{MW} * 6\text{ hours}$ 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 $60\text{ MWh} * \$10/\text{MWh}$ 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 $(60\text{ MWh} * (\$50/\text{MWh} - \$10/\text{MWh}))$ 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 Pmax or, in other words, the resource was exceptionally dispatched to its Pmax and forced to generate at that level, the resource was considered ineligible to set the price as it had no room to move up. Similarly, if the resource was constrained down at its Pmin, then the resource was not eligible to set the price. All those intervals in which the resource was ineligible to set the price were dropped from the dataset under consideration. From this dataset of only eligible intervals, for both pricing nodes A and B, LMPs were calculated for all intervals based on the resource dispatch level and the its bid set. The calculated LMP is equal to that bid price corresponding to the constrained MW segment.

Table 8 shows the price impact analysis information for node A, which is located in the PG&E area. This table shows all the five minute intervals in which the resource at PNode A was issued an exceptional dispatch instruction. Out of the 8,928 five-minute intervals in May, this resource was issued exceptional dispatch instructions in 2228 five-minute intervals. This resource was eligible to set the LMP in 2200 intervals. Resource calculated LMP was larger than the market LMP in 2057 of the 2200 intervals. In the 2057 intervals, the average increase in five minute LMP was \$19.94/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 \$19.94/MWh. Note that 2057 five minute intervals are approximately 23.04 percent of the total 8,928 five minute intervals.

Table 9 shows the price impact analysis information for node B, which is located in the SCE area. This table shows all the five minute intervals in which the resource at PNode B was issued an exceptional dispatch instruction. Out of the 8,928 five minute intervals, this resource was issued an exceptional dispatch instruction in 240 five minute intervals. This resource was eligible to set the LMP in all 240 intervals. Out of the 240 intervals, resource calculated LMP was larger than the market LMP in 182 intervals. In the 182 intervals, the average increase in five minute LMP was \$5.22/MWh. This implies that if the ISO was able to model the constraint for this exceptional dispatch, then this resource and all other pricing nodes associated with that constraint would observe an average increase of \$5.22/MWh. The 182 five minute intervals account for approximately 2.04 percent of the total 8,928 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-May-12	1	1	\$13.49	Yes	\$37.54	\$24.05
2	1-May-12	1	2	\$11.78	Yes	\$37.54	\$25.76
3	1-May-12	1	3	\$13.49	Yes	\$37.54	\$24.05
4	1-May-12	1	4	\$11.03	Yes	\$37.54	\$26.51
5	1-May-12	1	5	\$5.93	Yes	\$37.54	\$31.61
6	1-May-12	1	6	\$0.01	Yes	\$37.54	\$37.53
7	1-May-12	1	7	\$4.96	Yes	\$32.97	\$28.01
8	1-May-12	1	7	\$4.96	Yes	\$37.54	\$32.58
9	1-May-12	1	8	(\$31.22)	Yes	\$32.97	\$64.19
10	1-May-12	1	8	(\$31.22)	Yes	\$37.54	\$68.76
11	1-May-12	1	9	(\$31.34)	Yes	\$32.97	\$64.31
12	1-May-12	1	9	(\$31.34)	Yes	\$37.54	\$68.88
13	1-May-12	1	10	(\$31.47)	Yes	\$32.97	\$64.44
14	1-May-12	1	10	(\$31.47)	Yes	\$37.54	\$69.01
15	1-May-12	1	11	(\$31.58)	Yes	\$30.60	\$62.18
16	1-May-12	1	11	(\$31.58)	Yes	\$32.97	\$64.55
17	1-May-12	1	11	(\$31.58)	Yes	\$37.54	\$69.12
18	1-May-12	1	12	(\$31.76)	Yes	\$30.60	\$62.36
19	1-May-12	1	12	(\$31.76)	Yes	\$32.97	\$64.73
20	1-May-12	1	12	(\$31.76)	Yes	\$37.54	\$69.30
21	1-May-12	2	1	(\$31.71)	Yes	\$30.60	\$62.31
22	1-May-12	2	2	\$0.01	Yes	\$30.60	\$30.59
23	1-May-12	2	3	\$10.98	Yes	\$30.60	\$19.62
24	1-May-12	2	4	\$0.01	Yes	\$30.60	\$30.59
25	1-May-12	2	5	\$0.01	Yes	\$30.60	\$30.59
26	1-May-12	2	6	\$0.00	Yes	\$30.60	\$30.60
27	1-May-12	16	2	\$17.90	Yes	\$30.60	\$12.70
28	1-May-12	16	3	\$41.14	Yes	\$30.60	(\$10.54)
29	1-May-12	16	4	\$41.14	Yes	\$30.60	(\$10.54)
30	1-May-12	16	5	\$41.14	Yes	\$30.60	(\$10.54)
31	1-May-12	16	6	\$20.79	Yes	\$30.60	\$9.81
32	1-May-12	16	7	\$16.53	Yes	\$30.60	\$14.07
33	1-May-12	16	8	\$16.53	Yes	\$30.60	\$14.07
34	1-May-12	16	9	\$16.53	Yes	\$30.60	\$14.07
35	1-May-12	16	10	\$13.72	Yes	\$30.60	\$16.88
36	1-May-12	16	11	\$12.06	Yes	\$30.60	\$18.54
37	1-May-12	16	12	\$15.19	Yes	\$30.60	\$15.41
38	1-May-12	17	1	\$16.01	Yes	\$30.60	\$14.59
39	1-May-12	17	2	\$16.22	Yes	\$30.60	\$14.38
40	1-May-12	17	3	\$13.69	Yes	\$30.60	\$16.91
41	1-May-12	17	4	\$11.56	Yes	\$30.60	\$19.04

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
42	1-May-12	17	5	\$11.08	Yes	\$30.60	\$19.52
43	1-May-12	17	6	\$11.56	Yes	\$30.60	\$19.04
44	1-May-12	17	7	\$11.24	Yes	\$30.60	\$19.36
45	1-May-12	17	8	\$11.22	Yes	\$30.60	\$19.38
46	1-May-12	17	9	\$11.05	Yes	\$30.60	\$19.55
47	1-May-12	17	10	\$5.00	Yes	\$30.60	\$25.60
48	1-May-12	17	11	\$5.83	Yes	\$30.60	\$24.77
49	1-May-12	17	12	\$11.06	Yes	\$30.60	\$19.54
50	1-May-12	18	1	\$9.95	Yes	\$30.60	\$20.65
51	1-May-12	18	2	\$11.55	Yes	\$30.60	\$19.05
52	1-May-12	18	3	\$11.55	Yes	\$30.60	\$19.05
53	1-May-12	18	4	\$15.27	Yes	\$30.60	\$15.33
54	1-May-12	18	5	\$15.27	Yes	\$30.60	\$15.33
55	1-May-12	18	6	\$16.19	Yes	\$30.60	\$14.41
56	1-May-12	18	7	\$16.17	Yes	\$30.60	\$14.43
57	1-May-12	18	8	\$15.31	Yes	\$30.60	\$15.29
58	1-May-12	18	9	\$15.31	Yes	\$30.60	\$15.29
59	1-May-12	18	10	\$16.28	Yes	\$30.60	\$14.32
60	1-May-12	18	11	\$16.10	Yes	\$30.60	\$14.50
61	1-May-12	18	12	\$15.25	Yes	\$30.60	\$15.35
62	1-May-12	19	1	\$15.20	Yes	\$30.60	\$15.40
63	1-May-12	19	2	\$15.20	Yes	\$30.60	\$15.40
64	1-May-12	19	3	\$15.20	Yes	\$30.60	\$15.40
65	1-May-12	19	4	\$16.24	Yes	\$30.60	\$14.36
66	1-May-12	19	5	\$16.24	Yes	\$30.60	\$14.36
67	1-May-12	19	6	\$16.40	Yes	\$30.60	\$14.20
68	1-May-12	19	7	\$16.36	Yes	\$30.60	\$14.24
69	1-May-12	19	8	\$16.38	Yes	\$30.60	\$14.22
70	1-May-12	19	9	\$16.38	Yes	\$30.60	\$14.22
71	1-May-12	19	10	\$17.58	Yes	\$30.60	\$13.02
72	1-May-12	19	11	\$16.64	Yes	\$32.97	\$16.33
73	1-May-12	19	12	\$17.62	Yes	\$32.97	\$15.35
74	1-May-12	20	1	\$19.39	Yes	\$27.48	\$8.09
75	1-May-12	20	2	\$17.23	Yes	\$27.48	\$10.25
76	1-May-12	20	2	\$17.23	Yes	\$31.29	\$14.06
77	1-May-12	20	3	\$17.50	Yes	\$27.48	\$9.98
78	1-May-12	20	3	\$17.50	Yes	\$31.29	\$13.79
79	1-May-12	20	4	\$17.49	Yes	\$27.48	\$9.99
80	1-May-12	20	4	\$17.49	Yes	\$31.29	\$13.80
81	1-May-12	20	5	\$18.44	Yes	\$27.48	\$9.04
82	1-May-12	20	5	\$18.44	Yes	\$31.29	\$12.85
83	1-May-12	20	6	\$18.44	Yes	\$27.48	\$9.04
84	1-May-12	20	6	\$18.44	Yes	\$31.29	\$12.85
85	1-May-12	20	7	\$17.86	Yes	\$27.48	\$9.62
86	1-May-12	20	7	\$17.86	Yes	\$31.29	\$13.43

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
87	1-May-12	20	8	\$20.66	Yes	\$27.48	\$6.82
88	1-May-12	20	8	\$20.66	Yes	\$31.29	\$10.63
89	1-May-12	20	9	\$22.84	Yes	\$27.48	\$4.64
90	1-May-12	20	9	\$22.84	Yes	\$31.29	\$8.45
91	1-May-12	20	10	\$24.77	Yes	\$27.48	\$2.71
92	1-May-12	20	10	\$24.77	Yes	\$31.29	\$6.52
93	1-May-12	20	11	\$24.35	Yes	\$27.48	\$3.13
94	1-May-12	20	11	\$24.35	Yes	\$31.29	\$6.94
95	1-May-12	20	12	\$16.36	Yes	\$27.48	\$11.12
96	1-May-12	20	12	\$16.36	Yes	\$31.29	\$14.93
97	1-May-12	21	1	\$17.66	Yes	\$31.29	\$13.63
98	1-May-12	21	2	\$15.31	Yes	\$31.29	\$15.98
99	1-May-12	21	3	\$15.31	Yes	\$31.29	\$15.98
100	1-May-12	21	4	\$16.24	Yes	\$31.29	\$15.05
101	1-May-12	21	5	\$16.24	Yes	\$31.29	\$15.05
102	1-May-12	21	6	\$16.26	Yes	\$31.29	\$15.03
103	1-May-12	21	7	\$16.44	Yes	\$31.29	\$14.85
104	1-May-12	21	8	\$16.49	Yes	\$31.29	\$14.80
105	1-May-12	21	9	\$16.27	Yes	\$31.29	\$15.02
106	1-May-12	21	10	\$15.30	Yes	\$31.29	\$15.99
107	1-May-12	21	11	\$16.21	Yes	\$31.29	\$15.08
108	1-May-12	21	12	\$15.30	Yes	\$31.29	\$15.99
109	1-May-12	22	1	\$23.81	Yes	\$37.54	\$13.73
110	1-May-12	22	2	\$24.66	Yes	\$37.54	\$12.88
111	1-May-12	22	3	\$24.95	Yes	\$37.54	\$12.59
112	1-May-12	22	4	\$25.99	Yes	\$32.97	\$6.98
113	1-May-12	22	4	\$25.99	Yes	\$37.54	\$11.55
114	1-May-12	22	5	\$18.28	Yes	\$32.97	\$14.69
115	1-May-12	22	5	\$18.28	Yes	\$37.54	\$19.26
116	1-May-12	22	6	\$16.76	Yes	\$32.97	\$16.21
117	1-May-12	22	6	\$16.76	Yes	\$37.54	\$20.78
118	1-May-12	22	7	\$16.33	Yes	\$32.97	\$16.64
119	1-May-12	22	7	\$16.33	Yes	\$37.54	\$21.21
120	1-May-12	22	8	\$12.03	Yes	\$32.97	\$20.94
121	1-May-12	22	8	\$12.03	Yes	\$37.54	\$25.51
122	1-May-12	22	9	\$12.03	Yes	\$32.97	\$20.94
123	1-May-12	22	9	\$12.03	Yes	\$37.54	\$25.51
124	1-May-12	22	10	\$11.49	Yes	\$32.97	\$21.48
125	1-May-12	22	10	\$11.49	Yes	\$37.54	\$26.05
126	1-May-12	22	11	\$11.25	Yes	\$32.97	\$21.72
127	1-May-12	22	11	\$11.25	Yes	\$37.54	\$26.29
128	1-May-12	22	12	\$3.42	Yes	\$32.97	\$29.55
129	1-May-12	22	12	\$3.42	Yes	\$37.54	\$34.12
130	1-May-12	23	1	\$15.48	Yes	\$32.97	\$17.49
131	1-May-12	23	2	\$23.54	Yes	\$32.97	\$9.43

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
132	1-May-12	23	3	\$24.10	Yes	\$32.97	\$8.87
133	1-May-12	23	4	\$4.30	Yes	\$32.97	\$28.67
134	1-May-12	23	4	\$4.30	Yes	\$37.54	\$33.24
135	1-May-12	23	5	\$16.25	Yes	\$32.97	\$16.72
136	1-May-12	23	5	\$16.25	Yes	\$37.54	\$21.29
137	1-May-12	23	5	\$16.25	Yes	\$39.65	\$23.40
138	1-May-12	23	6	\$16.25	Yes	\$32.97	\$16.72
139	1-May-12	23	6	\$16.25	Yes	\$37.54	\$21.29
140	1-May-12	23	6	\$16.25	Yes	\$39.65	\$23.40
141	1-May-12	23	7	\$11.61	Yes	\$32.97	\$21.36
142	1-May-12	23	7	\$11.61	Yes	\$37.54	\$25.93
143	1-May-12	23	7	\$11.61	Yes	\$39.65	\$28.04
144	1-May-12	23	8	\$16.40	Yes	\$32.97	\$16.57
145	1-May-12	23	8	\$16.40	Yes	\$37.54	\$21.14
146	1-May-12	23	8	\$16.40	Yes	\$39.65	\$23.25
147	1-May-12	23	9	\$9.98	Yes	\$32.97	\$22.99
148	1-May-12	23	9	\$9.98	Yes	\$35.42	\$25.44
149	1-May-12	23	9	\$9.98	Yes	\$37.54	\$27.56
150	1-May-12	23	10	\$4.25	Yes	\$32.97	\$28.72
151	1-May-12	23	10	\$4.25	Yes	\$35.42	\$31.17
152	1-May-12	23	10	\$4.25	Yes	\$37.54	\$33.29
153	1-May-12	23	11	\$0.01	Yes	\$32.97	\$32.96
154	1-May-12	23	11	\$0.01	Yes	\$35.42	\$35.41
155	1-May-12	23	11	\$0.01	Yes	\$37.54	\$37.53
156	1-May-12	23	12	\$0.01	Yes	\$32.97	\$32.96
157	1-May-12	23	12	\$0.01	Yes	\$35.42	\$35.41
158	1-May-12	23	12	\$0.01	Yes	\$37.54	\$37.53
159	1-May-12	24	1	\$17.56	Yes	\$32.97	\$15.41
160	1-May-12	24	2	\$17.45	Yes	\$32.97	\$15.52
161	1-May-12	24	3	\$16.19	Yes	\$32.97	\$16.78
162	1-May-12	24	4	\$4.95	Yes	\$32.97	\$28.02
163	1-May-12	24	5	\$7.18	Yes	\$32.97	\$25.79
164	1-May-12	24	6	\$4.27	Yes	\$32.97	\$28.70
165	1-May-12	24	7	\$0.01	Yes	\$32.97	\$32.96
166	1-May-12	24	8	(\$32.57)	Yes	\$32.97	\$65.54
167	1-May-12	24	9	(\$31.34)	Yes	\$30.60	\$61.94
168	1-May-12	24	10	(\$31.48)	Yes	\$30.60	\$62.08
169	1-May-12	24	11	(\$31.27)	Yes	\$30.60	\$61.87
170	1-May-12	24	12	(\$32.33)	Yes	\$30.60	\$62.93
171	2-May-12	1	1	\$0.01	Yes	\$30.60	\$30.59
172	2-May-12	1	2	\$15.76	Yes	\$30.60	\$14.84
173	2-May-12	1	3	\$15.76	Yes	\$30.60	\$14.84
174	2-May-12	13	10	\$18.07	Yes	\$30.60	\$12.53
175	2-May-12	13	11	\$18.07	Yes	\$30.60	\$12.53
176	2-May-12	13	12	\$18.34	Yes	\$30.60	\$12.26

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
177	2-May-12	14	1	\$29.08	Yes	\$30.60	\$1.52
178	2-May-12	14	2	\$24.80	Yes	\$30.60	\$5.80
179	2-May-12	14	3	\$27.16	Yes	\$30.60	\$3.44
180	2-May-12	14	4	\$25.53	Yes	\$30.60	\$5.07
181	2-May-12	14	5	\$26.82	Yes	\$30.60	\$3.78
182	2-May-12	14	6	\$26.42	Yes	\$30.60	\$4.18
183	2-May-12	14	7	\$26.11	Yes	\$30.60	\$4.49
184	2-May-12	14	8	\$17.31	Yes	\$30.60	\$13.29
185	2-May-12	14	9	\$18.26	Yes	\$30.60	\$12.34
186	2-May-12	14	10	\$24.62	Yes	\$30.60	\$5.98
187	2-May-12	14	11	\$21.22	Yes	\$30.60	\$9.38
188	2-May-12	14	11	\$21.22	Yes	\$32.97	\$11.75
189	2-May-12	14	12	\$21.22	Yes	\$30.60	\$9.38
190	2-May-12	14	12	\$21.22	Yes	\$32.97	\$11.75
191	2-May-12	15	1	\$17.40	Yes	\$32.97	\$15.57
192	2-May-12	15	2	\$24.62	Yes	\$32.97	\$8.35
193	2-May-12	15	3	\$25.42	Yes	\$32.97	\$7.55
194	2-May-12	15	4	\$25.68	Yes	\$32.97	\$7.29
195	2-May-12	15	5	\$25.11	Yes	\$32.97	\$7.86
196	2-May-12	15	6	\$25.11	Yes	\$32.97	\$7.86
197	2-May-12	15	7	\$24.76	Yes	\$32.97	\$8.21
198	2-May-12	15	8	\$24.49	Yes	\$32.97	\$8.48
199	2-May-12	15	9	\$17.82	Yes	\$32.97	\$15.15
200	2-May-12	15	10	\$22.74	Yes	\$32.97	\$10.23
201	2-May-12	15	11	\$24.36	Yes	\$32.97	\$8.61
202	2-May-12	15	12	\$17.64	Yes	\$32.97	\$15.33
203	2-May-12	16	1	\$17.40	Yes	\$32.97	\$15.57
204	2-May-12	16	2	\$16.15	Yes	\$32.97	\$16.82
205	2-May-12	16	3	\$16.15	Yes	\$32.97	\$16.82
206	2-May-12	16	4	\$16.03	Yes	\$32.97	\$16.94
207	2-May-12	16	4	\$16.03	Yes	\$35.42	\$19.39
208	2-May-12	16	5	\$17.27	Yes	\$32.97	\$15.70
209	2-May-12	16	5	\$17.27	Yes	\$35.42	\$18.15
210	2-May-12	16	6	\$16.03	Yes	\$32.97	\$16.94
211	2-May-12	16	6	\$16.03	Yes	\$35.42	\$19.39
212	2-May-12	16	6	\$16.03	Yes	\$37.54	\$21.51
213	2-May-12	16	7	\$16.03	Yes	\$32.97	\$16.94
214	2-May-12	16	7	\$16.03	Yes	\$35.42	\$19.39
215	2-May-12	16	7	\$16.03	Yes	\$37.54	\$21.51
216	2-May-12	16	8	\$16.06	Yes	\$32.97	\$16.91
217	2-May-12	16	8	\$16.06	Yes	\$35.42	\$19.36
218	2-May-12	16	8	\$16.06	Yes	\$37.54	\$21.48
219	2-May-12	16	9	\$16.06	Yes	\$32.97	\$16.91
220	2-May-12	16	9	\$16.06	Yes	\$35.42	\$19.36
221	2-May-12	16	9	\$16.06	Yes	\$37.54	\$21.48

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
222	2-May-12	16	10	\$16.12	Yes	\$32.97	\$16.85
223	2-May-12	16	10	\$16.12	Yes	\$35.42	\$19.30
224	2-May-12	16	10	\$16.12	Yes	\$37.54	\$21.42
225	2-May-12	16	11	\$16.12	Yes	\$32.97	\$16.85
226	2-May-12	16	11	\$16.12	Yes	\$35.42	\$19.30
227	2-May-12	16	11	\$16.12	Yes	\$37.54	\$21.42
228	2-May-12	16	11	\$16.12	Yes	\$41.24	\$25.12
229	2-May-12	16	12	\$17.36	Yes	\$32.97	\$15.61
230	2-May-12	16	12	\$17.36	Yes	\$35.42	\$18.06
231	2-May-12	16	12	\$17.36	Yes	\$37.54	\$20.18
232	2-May-12	16	12	\$17.36	Yes	\$41.24	\$23.88
233	2-May-12	17	1	\$17.39	Yes	\$41.24	\$23.85
234	2-May-12	17	2	\$16.17	Yes	\$41.24	\$25.07
235	2-May-12	17	3	\$16.17	Yes	\$41.24	\$25.07
236	2-May-12	17	4	\$17.99	Yes	\$41.24	\$23.25
237	2-May-12	17	5	\$17.34	Yes	\$41.24	\$23.90
238	2-May-12	17	6	\$17.34	Yes	\$41.24	\$23.90
239	2-May-12	17	7	\$17.33	Yes	\$41.24	\$23.91
240	2-May-12	17	8	\$16.03	Yes	\$41.24	\$25.21
241	2-May-12	17	9	\$17.23	Yes	\$41.24	\$24.01
242	2-May-12	17	10	\$17.94	Yes	\$41.24	\$23.30
243	2-May-12	17	11	\$20.98	Yes	\$41.24	\$20.26
244	2-May-12	17	12	\$20.98	Yes	\$41.24	\$20.26
245	2-May-12	18	1	\$13.76	Yes	\$41.24	\$27.48
246	2-May-12	18	2	\$17.78	Yes	\$41.24	\$23.46
247	2-May-12	18	3	\$24.31	Yes	\$41.24	\$16.93
248	2-May-12	18	4	\$31.11	Yes	\$41.24	\$10.13
249	2-May-12	18	5	\$24.85	Yes	\$41.24	\$16.39
250	2-May-12	18	6	\$24.36	Yes	\$41.24	\$16.88
251	2-May-12	18	7	\$24.96	Yes	\$41.24	\$16.28
252	2-May-12	18	8	\$24.91	Yes	\$41.24	\$16.33
253	2-May-12	18	9	\$28.20	Yes	\$41.24	\$13.04
254	2-May-12	18	10	\$31.80	Yes	\$41.24	\$9.44
255	2-May-12	18	11	\$31.15	Yes	\$41.24	\$10.09
256	2-May-12	18	12	\$25.00	Yes	\$41.24	\$16.24
257	2-May-12	19	1	\$18.01	Yes	\$41.24	\$23.23
258	2-May-12	19	2	\$18.01	Yes	\$41.24	\$23.23
259	2-May-12	19	3	\$17.56	Yes	\$41.24	\$23.68
260	2-May-12	19	4	\$18.01	Yes	\$41.24	\$23.23
261	2-May-12	19	5	\$18.01	Yes	\$41.24	\$23.23
262	2-May-12	19	6	\$18.57	Yes	\$41.24	\$22.67
263	2-May-12	19	7	\$18.58	Yes	\$41.24	\$22.66
264	2-May-12	19	8	\$17.50	Yes	\$41.24	\$23.74
265	2-May-12	19	9	\$18.06	Yes	\$41.24	\$23.18
266	2-May-12	19	10	\$18.01	Yes	\$41.24	\$23.23

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
267	2-May-12	19	11	\$18.01	Yes	\$35.42	\$17.41
268	2-May-12	19	11	\$18.01	Yes	\$41.24	\$23.23
269	2-May-12	19	12	\$17.96	Yes	\$35.42	\$17.46
270	2-May-12	19	12	\$17.96	Yes	\$41.24	\$23.28
271	2-May-12	20	1	\$17.04	Yes	\$29.52	\$12.48
272	2-May-12	20	2	\$13.94	Yes	\$29.52	\$15.58
273	2-May-12	20	3	\$11.18	Yes	\$29.52	\$18.34
274	2-May-12	20	4	\$15.73	Yes	\$29.52	\$13.79
275	2-May-12	20	5	\$16.48	Yes	\$29.52	\$13.04
276	2-May-12	20	6	\$17.56	Yes	\$29.52	\$11.96
277	2-May-12	20	7	\$16.63	Yes	\$29.52	\$12.89
278	2-May-12	20	8	\$16.41	Yes	\$29.52	\$13.11
279	2-May-12	20	9	\$17.49	Yes	\$29.52	\$12.03
280	2-May-12	20	9	\$17.49	Yes	\$31.29	\$13.80
281	2-May-12	20	10	\$16.30	Yes	\$29.52	\$13.22
282	2-May-12	20	10	\$16.30	Yes	\$31.29	\$14.99
283	2-May-12	20	11	\$17.42	Yes	\$29.52	\$12.10
284	2-May-12	20	11	\$17.42	Yes	\$31.29	\$13.87
285	2-May-12	20	12	\$17.29	Yes	\$29.52	\$12.23
286	2-May-12	20	12	\$17.29	Yes	\$31.29	\$14.00
287	2-May-12	21	1	\$21.48	Yes	\$31.29	\$9.81
288	2-May-12	21	2	\$23.29	Yes	\$31.29	\$8.00
289	2-May-12	21	3	\$24.96	Yes	\$31.29	\$6.33
290	2-May-12	21	4	\$18.53	Yes	\$31.29	\$12.76
291	2-May-12	21	5	\$21.38	Yes	\$31.29	\$9.91
292	2-May-12	21	6	\$18.18	Yes	\$31.29	\$13.11
293	2-May-12	21	7	\$17.51	Yes	\$31.29	\$13.78
294	2-May-12	21	8	\$17.45	Yes	\$31.29	\$13.84
295	2-May-12	21	9	\$16.70	Yes	\$31.29	\$14.59
296	2-May-12	21	10	\$16.74	Yes	\$31.29	\$14.55
297	2-May-12	21	11	\$17.50	Yes	\$31.29	\$13.79
298	2-May-12	21	12	\$18.33	Yes	\$31.29	\$12.96
299	2-May-12	22	1	\$25.88	Yes	\$37.54	\$11.66
300	2-May-12	22	2	\$25.46	Yes	\$37.54	\$12.08
301	2-May-12	22	3	\$24.39	Yes	\$37.54	\$13.15
302	2-May-12	22	4	\$18.19	Yes	\$37.54	\$19.35
303	2-May-12	22	5	\$18.24	Yes	\$37.54	\$19.30
304	2-May-12	22	6	\$16.67	Yes	\$37.54	\$20.87
305	2-May-12	22	7	\$16.28	Yes	\$37.54	\$21.26
306	2-May-12	22	8	\$16.28	Yes	\$37.54	\$21.26
307	2-May-12	22	9	\$15.26	Yes	\$37.54	\$22.28
308	2-May-12	22	10	\$13.72	Yes	\$37.54	\$23.82
309	2-May-12	22	11	\$13.48	Yes	\$37.54	\$24.06
310	2-May-12	22	12	\$13.48	Yes	\$37.54	\$24.06
311	2-May-12	23	1	\$33.32	Yes	\$37.54	\$4.22

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
312	2-May-12	23	2	\$30.14	Yes	\$37.54	\$7.40
313	2-May-12	23	3	\$30.14	Yes	\$37.54	\$7.40
314	2-May-12	23	4	\$23.80	Yes	\$37.54	\$13.74
315	2-May-12	23	5	\$23.65	Yes	\$37.54	\$13.89
316	2-May-12	23	6	\$17.49	Yes	\$37.54	\$20.05
317	2-May-12	23	7	\$16.56	Yes	\$37.54	\$20.98
318	2-May-12	23	8	\$17.44	Yes	\$37.54	\$20.10
319	2-May-12	23	9	\$16.67	Yes	\$37.54	\$20.87
320	2-May-12	23	10	\$13.69	Yes	\$37.54	\$23.85
321	2-May-12	23	11	\$13.69	Yes	\$37.54	\$23.85
322	2-May-12	23	12	\$10.61	Yes	\$32.97	\$22.36
323	2-May-12	23	12	\$10.61	Yes	\$37.54	\$26.93
324	2-May-12	24	1	\$18.47	Yes	\$32.97	\$14.50
325	2-May-12	24	2	\$17.40	Yes	\$32.97	\$15.57
326	2-May-12	24	3	\$16.33	Yes	\$32.97	\$16.64
327	2-May-12	24	4	\$18.25	Yes	\$32.97	\$14.72
328	2-May-12	24	5	\$18.25	Yes	\$32.97	\$14.72
329	2-May-12	24	6	\$17.47	Yes	\$32.97	\$15.50
330	2-May-12	24	7	\$18.34	Yes	\$32.97	\$14.63
331	2-May-12	24	8	\$13.73	Yes	\$32.97	\$19.24
332	2-May-12	24	9	\$18.47	Yes	\$32.97	\$14.50
333	2-May-12	24	10	\$13.74	Yes	\$32.97	\$19.23
334	2-May-12	24	11	\$8.32	Yes	\$32.97	\$24.65
335	2-May-12	24	12	\$4.24	Yes	\$32.97	\$28.73
336	3-May-12	12	9	\$34.20	Yes	\$31.29	(\$2.91)
337	3-May-12	12	10	\$30.37	Yes	\$31.29	\$0.92
338	3-May-12	12	11	\$27.70	Yes	\$31.29	\$3.59
339	3-May-12	12	12	\$28.51	Yes	\$31.29	\$2.78
340	3-May-12	13	1	\$27.64	Yes	\$31.29	\$3.65
341	3-May-12	13	2	\$27.41	Yes	\$31.29	\$3.88
342	3-May-12	13	3	\$17.55	Yes	\$31.29	\$13.74
343	3-May-12	13	4	\$16.64	Yes	\$31.29	\$14.65
344	3-May-12	13	5	\$12.68	Yes	\$31.29	\$18.61
345	3-May-12	13	6	\$16.12	Yes	\$31.29	\$15.17
346	3-May-12	13	7	\$16.66	Yes	\$31.29	\$14.63
347	3-May-12	13	8	\$16.17	Yes	\$31.29	\$15.12
348	3-May-12	13	9	\$16.17	Yes	\$31.29	\$15.12
349	3-May-12	13	10	\$17.41	Yes	\$31.29	\$13.88
350	3-May-12	13	11	\$16.63	Yes	\$31.29	\$14.66
351	3-May-12	13	12	\$16.10	Yes	\$31.29	\$15.19
352	3-May-12	14	1	\$18.27	Yes	\$31.29	\$13.02
353	3-May-12	14	2	\$17.39	Yes	\$31.29	\$13.90
354	3-May-12	14	3	\$16.59	Yes	\$31.29	\$14.70
355	3-May-12	14	4	\$0.01	Yes	\$31.29	\$31.28
356	3-May-12	14	5	\$10.53	Yes	\$31.29	\$20.76

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
357	3-May-12	14	6	\$11.89	Yes	\$31.29	\$19.40
358	3-May-12	14	7	\$16.68	Yes	\$31.29	\$14.61
359	3-May-12	14	8	\$16.65	Yes	\$31.29	\$14.64
360	3-May-12	14	9	\$18.49	Yes	\$31.29	\$12.80
361	3-May-12	14	10	\$16.74	Yes	\$31.29	\$14.55
362	3-May-12	14	11	\$18.33	Yes	\$31.29	\$12.96
363	3-May-12	14	12	\$24.47	Yes	\$31.29	\$6.82
364	3-May-12	15	1	\$24.57	Yes	\$37.54	\$12.97
365	3-May-12	15	2	\$26.48	Yes	\$37.54	\$11.06
366	3-May-12	15	3	\$26.68	Yes	\$37.54	\$10.86
367	3-May-12	15	4	\$26.89	Yes	\$37.54	\$10.65
368	3-May-12	15	5	\$26.98	Yes	\$37.54	\$10.56
369	3-May-12	15	6	\$26.34	Yes	\$37.54	\$11.20
370	3-May-12	15	7	\$27.38	Yes	\$37.54	\$10.16
371	3-May-12	15	8	\$24.31	Yes	\$37.54	\$13.23
372	3-May-12	15	9	\$24.91	Yes	\$37.54	\$12.63
373	3-May-12	15	10	\$24.40	Yes	\$37.54	\$13.14
374	3-May-12	15	11	\$27.37	Yes	\$30.60	\$3.23
375	3-May-12	15	11	\$27.37	Yes	\$37.54	\$10.17
376	3-May-12	15	12	\$24.93	Yes	\$30.60	\$5.67
377	3-May-12	15	12	\$24.93	Yes	\$37.54	\$12.61
378	3-May-12	16	1	\$31.13	Yes	\$30.60	(\$0.53)
379	3-May-12	16	2	\$32.59	Yes	\$30.60	(\$1.99)
380	3-May-12	16	3	\$32.59	Yes	\$30.60	(\$1.99)
381	3-May-12	16	4	\$32.04	Yes	\$30.60	(\$1.44)
382	3-May-12	16	5	\$32.04	Yes	\$30.60	(\$1.44)
383	3-May-12	16	6	\$30.09	Yes	\$30.60	\$0.51
384	3-May-12	16	7	\$29.77	Yes	\$30.60	\$0.83
385	3-May-12	16	8	\$28.17	Yes	\$30.60	\$2.43
386	3-May-12	16	9	\$28.61	Yes	\$30.60	\$1.99
387	3-May-12	16	10	\$29.73	Yes	\$30.60	\$0.87
388	3-May-12	16	11	\$29.73	Yes	\$30.60	\$0.87
389	3-May-12	16	12	\$33.92	Yes	\$30.60	(\$3.32)
390	3-May-12	17	1	\$33.78	Yes	\$30.60	(\$3.18)
391	3-May-12	17	2	\$35.05	Yes	\$30.60	(\$4.45)
392	3-May-12	17	3	\$39.23	Yes	\$30.60	(\$8.63)
393	3-May-12	17	4	\$33.35	Yes	\$30.60	(\$2.75)
394	3-May-12	17	5	\$33.35	Yes	\$30.60	(\$2.75)
395	3-May-12	17	6	\$34.03	Yes	\$30.60	(\$3.43)
396	3-May-12	17	7	\$33.93	Yes	\$30.60	(\$3.33)
397	3-May-12	17	8	\$34.27	Yes	\$30.60	(\$3.67)
398	3-May-12	17	9	\$34.27	Yes	\$30.60	(\$3.67)
399	3-May-12	17	10	\$34.34	Yes	\$30.60	(\$3.74)
400	3-May-12	17	11	\$32.12	Yes	\$30.60	(\$1.52)
401	3-May-12	17	12	\$34.60	Yes	\$30.60	(\$4.00)

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
402	3-May-12	18	1	\$35.57	Yes	\$30.60	(\$4.97)
403	3-May-12	18	2	\$35.07	Yes	\$30.60	(\$4.47)
404	3-May-12	18	3	\$35.57	Yes	\$30.60	(\$4.97)
405	3-May-12	18	4	\$32.71	Yes	\$30.60	(\$2.11)
406	3-May-12	18	5	\$34.28	Yes	\$30.60	(\$3.68)
407	3-May-12	18	6	\$34.67	Yes	\$30.60	(\$4.07)
408	3-May-12	18	7	\$34.68	Yes	\$30.60	(\$4.08)
409	3-May-12	18	8	\$37.24	Yes	\$30.60	(\$6.64)
410	3-May-12	18	9	\$37.07	Yes	\$30.60	(\$6.47)
411	3-May-12	18	10	\$39.33	Yes	\$30.60	(\$8.73)
412	3-May-12	18	11	\$35.43	Yes	\$30.60	(\$4.83)
413	3-May-12	18	12	\$35.35	Yes	\$30.60	(\$4.75)
414	3-May-12	19	1	\$34.69	Yes	\$30.60	(\$4.09)
415	3-May-12	19	2	\$32.29	Yes	\$30.60	(\$1.69)
416	3-May-12	19	3	\$33.21	Yes	\$30.60	(\$2.61)
417	3-May-12	19	4	\$32.95	Yes	\$30.60	(\$2.35)
418	3-May-12	19	5	\$34.67	Yes	\$30.60	(\$4.07)
419	3-May-12	19	6	\$37.32	Yes	\$30.60	(\$6.72)
420	3-May-12	19	7	\$30.35	Yes	\$30.60	\$0.25
421	3-May-12	19	8	\$30.56	Yes	\$30.60	\$0.04
422	3-May-12	19	9	\$33.69	Yes	\$30.60	(\$3.09)
423	3-May-12	19	10	\$39.01	Yes	\$30.60	(\$8.41)
424	3-May-12	19	11	\$36.93	Yes	\$30.60	(\$6.33)
425	3-May-12	19	12	\$35.34	Yes	\$30.60	(\$4.74)
426	4-May-12	10	10	\$9.92	Yes	\$27.48	\$17.56
427	4-May-12	10	11	\$9.92	Yes	\$27.48	\$17.56
428	4-May-12	10	12	\$11.23	Yes	\$27.48	\$16.25
429	4-May-12	11	1	\$0.67	Yes	\$27.48	\$26.81
430	4-May-12	11	2	\$5.64	Yes	\$27.48	\$21.84
431	4-May-12	11	3	\$9.98	Yes	\$27.48	\$17.50
432	4-May-12	11	4	\$11.73	Yes	\$27.48	\$15.75
433	4-May-12	11	5	\$11.73	Yes	\$27.48	\$15.75
434	4-May-12	11	6	\$11.23	Yes	\$27.48	\$16.25
435	4-May-12	11	7	\$5.69	Yes	\$27.48	\$21.79
436	4-May-12	11	8	\$0.37	Yes	\$27.48	\$27.11
437	4-May-12	11	9	\$4.50	Yes	\$27.48	\$22.98
438	4-May-12	11	10	\$5.26	Yes	\$27.48	\$22.22
439	4-May-12	11	11	\$5.51	Yes	\$27.48	\$21.97
440	4-May-12	11	12	\$5.27	Yes	\$27.48	\$22.21
441	4-May-12	15	10	\$12.28	Yes	\$25.50	\$13.22
442	4-May-12	15	11	\$17.51	Yes	\$25.50	\$7.99
443	4-May-12	15	12	\$17.51	Yes	\$25.50	\$7.99
444	4-May-12	16	1	\$18.08	Yes	\$30.60	\$12.52
445	4-May-12	16	2	\$21.93	Yes	\$30.60	\$8.67
446	4-May-12	16	3	\$24.30	Yes	\$30.60	\$6.30

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
447	4-May-12	16	4	\$17.83	Yes	\$30.60	\$12.77
448	4-May-12	16	5	\$17.95	Yes	\$30.60	\$12.65
449	4-May-12	16	6	\$17.83	Yes	\$30.60	\$12.77
450	4-May-12	16	7	\$18.19	Yes	\$30.60	\$12.41
451	4-May-12	16	8	\$17.89	Yes	\$30.60	\$12.71
452	4-May-12	16	9	\$18.51	Yes	\$30.60	\$12.09
453	4-May-12	16	10	\$18.85	Yes	\$30.60	\$11.75
454	4-May-12	16	11	\$18.86	Yes	\$30.60	\$11.74
455	4-May-12	16	12	\$18.19	Yes	\$30.60	\$12.41
456	4-May-12	17	1	\$18.82	Yes	\$30.60	\$11.78
457	4-May-12	17	2	\$16.07	Yes	\$30.60	\$14.53
458	4-May-12	17	3	\$16.08	Yes	\$30.60	\$14.52
459	4-May-12	17	4	\$18.13	Yes	\$30.60	\$12.47
460	4-May-12	17	5	\$16.08	Yes	\$30.60	\$14.52
461	4-May-12	17	6	\$16.08	Yes	\$30.60	\$14.52
462	4-May-12	17	7	\$16.16	Yes	\$30.60	\$14.44
463	4-May-12	17	8	\$14.52	Yes	\$30.60	\$16.08
464	4-May-12	17	9	\$14.52	Yes	\$30.60	\$16.08
465	4-May-12	17	10	\$16.04	Yes	\$30.60	\$14.56
466	4-May-12	17	11	\$20.94	Yes	\$30.60	\$9.66
467	4-May-12	17	12	\$11.87	Yes	\$30.60	\$18.73
468	4-May-12	18	1	\$16.31	Yes	\$30.60	\$14.29
469	4-May-12	18	2	\$16.31	Yes	\$30.60	\$14.29
470	4-May-12	18	3	\$16.31	Yes	\$30.60	\$14.29
471	4-May-12	18	4	\$14.29	Yes	\$30.60	\$16.31
472	4-May-12	18	5	\$14.29	Yes	\$30.60	\$16.31
473	4-May-12	18	6	\$14.29	Yes	\$30.60	\$16.31
474	4-May-12	18	7	\$14.56	Yes	\$30.60	\$16.04
475	4-May-12	18	8	\$14.55	Yes	\$30.60	\$16.05
476	4-May-12	18	9	\$16.31	Yes	\$30.60	\$14.29
477	4-May-12	18	10	\$16.33	Yes	\$30.60	\$14.27
478	4-May-12	18	11	\$16.33	Yes	\$30.60	\$14.27
479	4-May-12	18	12	\$16.33	Yes	\$30.60	\$14.27
480	4-May-12	19	1	\$16.31	Yes	\$30.60	\$14.29
481	4-May-12	19	2	\$16.31	Yes	\$30.60	\$14.29
482	4-May-12	19	3	\$16.31	Yes	\$30.60	\$14.29
483	4-May-12	19	4	\$17.37	Yes	\$30.60	\$13.23
484	4-May-12	19	5	\$16.82	Yes	\$30.60	\$13.78
485	4-May-12	19	6	\$16.82	Yes	\$30.60	\$13.78
486	4-May-12	19	6	\$16.82	Yes	\$32.97	\$16.15
487	4-May-12	19	7	\$16.80	Yes	\$30.60	\$13.80
488	4-May-12	19	7	\$16.80	Yes	\$32.97	\$16.17
489	4-May-12	19	8	\$16.80	Yes	\$30.60	\$13.80
490	4-May-12	19	8	\$16.80	Yes	\$32.97	\$16.17
491	4-May-12	19	9	\$16.27	Yes	\$30.60	\$14.33

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
492	4-May-12	19	9	\$16.27	Yes	\$32.97	\$16.70
493	4-May-12	19	10	\$16.73	Yes	\$30.60	\$13.87
494	4-May-12	19	10	\$16.73	Yes	\$32.97	\$16.24
495	4-May-12	19	10	\$16.73	Yes	\$41.24	\$24.51
496	4-May-12	19	11	\$17.26	Yes	\$30.60	\$13.34
497	4-May-12	19	11	\$17.26	Yes	\$32.97	\$15.71
498	4-May-12	19	11	\$17.26	Yes	\$41.24	\$23.98
499	4-May-12	19	12	\$16.73	Yes	\$30.60	\$13.87
500	4-May-12	19	12	\$16.73	Yes	\$32.97	\$16.24
501	4-May-12	19	12	\$16.73	Yes	\$41.24	\$24.51
502	4-May-12	20	1	\$16.05	Yes	\$41.24	\$25.19
503	4-May-12	20	2	\$8.38	Yes	\$41.24	\$32.86
504	4-May-12	20	3	\$6.10	Yes	\$41.24	\$35.14
505	4-May-12	20	4	\$9.90	Yes	\$41.24	\$31.34
506	4-May-12	20	4	\$9.90	Yes	\$43.31	\$33.41
507	4-May-12	20	5	\$14.68	Yes	\$41.24	\$26.56
508	4-May-12	20	5	\$14.68	Yes	\$43.31	\$28.63
509	4-May-12	20	5	\$14.68	Yes	\$47.60	\$32.92
510	4-May-12	20	6	\$11.56	Yes	\$41.24	\$29.68
511	4-May-12	20	6	\$11.56	Yes	\$43.31	\$31.75
512	4-May-12	20	6	\$11.56	Yes	\$47.60	\$36.04
513	4-May-12	20	7	\$9.99	Yes	\$41.24	\$31.25
514	4-May-12	20	7	\$9.99	Yes	\$43.31	\$33.32
515	4-May-12	20	7	\$9.99	Yes	\$47.60	\$37.61
516	4-May-12	20	8	\$11.96	Yes	\$41.24	\$29.28
517	4-May-12	20	8	\$11.96	Yes	\$43.31	\$31.35
518	4-May-12	20	8	\$11.96	Yes	\$47.60	\$35.64
519	4-May-12	20	9	\$16.15	Yes	\$41.24	\$25.09
520	4-May-12	20	9	\$16.15	Yes	\$43.31	\$27.16
521	4-May-12	20	9	\$16.15	Yes	\$47.60	\$31.45
522	4-May-12	20	10	\$5.16	Yes	\$41.24	\$36.08
523	4-May-12	20	10	\$5.16	Yes	\$43.31	\$38.15
524	4-May-12	20	10	\$5.16	Yes	\$47.60	\$42.44
525	4-May-12	20	11	\$11.82	Yes	\$41.24	\$29.42
526	4-May-12	20	11	\$11.82	Yes	\$43.31	\$31.49
527	4-May-12	20	11	\$11.82	Yes	\$47.60	\$35.78
528	4-May-12	20	12	\$16.43	Yes	\$41.24	\$24.81
529	4-May-12	20	12	\$16.43	Yes	\$43.31	\$26.88
530	4-May-12	20	12	\$16.43	Yes	\$47.60	\$31.17
531	4-May-12	21	1	\$13.77	Yes	\$36.09	\$22.32
532	4-May-12	21	2	\$17.69	Yes	\$36.09	\$18.40
533	4-May-12	21	3	\$15.51	Yes	\$36.09	\$20.58
534	4-May-12	21	4	\$16.52	Yes	\$36.09	\$19.57
535	4-May-12	21	5	\$22.44	Yes	\$36.09	\$13.65
536	4-May-12	21	6	\$18.83	Yes	\$36.09	\$17.26

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
537	4-May-12	21	7	\$18.69	Yes	\$36.09	\$17.40
538	4-May-12	21	8	\$21.11	Yes	\$34.37	\$13.26
539	4-May-12	21	8	\$21.11	Yes	\$36.09	\$14.98
540	4-May-12	21	9	\$21.16	Yes	\$34.37	\$13.21
541	4-May-12	21	9	\$21.16	Yes	\$36.09	\$14.93
542	4-May-12	21	10	\$18.71	Yes	\$34.37	\$15.66
543	4-May-12	21	10	\$18.71	Yes	\$36.09	\$17.38
544	4-May-12	21	11	\$18.75	Yes	\$34.37	\$15.62
545	4-May-12	21	11	\$18.75	Yes	\$36.09	\$17.34
546	4-May-12	21	12	\$32.46	Yes	\$34.37	\$1.91
547	4-May-12	21	12	\$32.46	Yes	\$36.09	\$3.63
548	4-May-12	22	1	\$32.79	Yes	\$34.37	\$1.58
549	4-May-12	22	2	\$31.19	Yes	\$34.37	\$3.18
550	4-May-12	22	3	\$31.19	Yes	\$34.37	\$3.18
551	4-May-12	22	4	\$25.59	Yes	\$34.37	\$8.78
552	4-May-12	22	5	\$27.70	Yes	\$34.37	\$6.67
553	4-May-12	22	6	\$23.21	Yes	\$34.37	\$11.16
554	4-May-12	22	7	\$23.20	Yes	\$34.37	\$11.17
555	4-May-12	22	8	\$23.05	Yes	\$34.37	\$11.32
556	4-May-12	22	9	\$20.98	Yes	\$34.37	\$13.39
557	4-May-12	22	10	\$24.51	Yes	\$34.37	\$9.86
558	4-May-12	22	11	\$20.98	Yes	\$34.37	\$13.39
559	4-May-12	22	12	\$19.39	Yes	\$34.37	\$14.98
560	4-May-12	23	1	\$30.73	Yes	\$41.24	\$10.51
561	4-May-12	23	2	\$25.22	Yes	\$41.24	\$16.02
562	4-May-12	23	3	\$24.87	Yes	\$41.24	\$16.37
563	4-May-12	23	4	\$22.90	Yes	\$41.24	\$18.34
564	4-May-12	23	5	\$21.47	Yes	\$41.24	\$19.77
565	4-May-12	23	6	\$21.76	Yes	\$37.54	\$15.78
566	4-May-12	23	6	\$21.76	Yes	\$41.24	\$19.48
567	4-May-12	23	7	\$17.89	Yes	\$37.54	\$19.65
568	4-May-12	23	7	\$17.89	Yes	\$41.24	\$23.35
569	4-May-12	23	8	\$17.57	Yes	\$37.54	\$19.97
570	4-May-12	23	8	\$17.57	Yes	\$41.24	\$23.67
571	4-May-12	23	9	\$17.20	Yes	\$37.54	\$20.34
572	4-May-12	23	9	\$17.20	Yes	\$41.24	\$24.04
573	4-May-12	23	10	\$17.26	Yes	\$37.54	\$20.28
574	4-May-12	23	10	\$17.26	Yes	\$41.24	\$23.98
575	4-May-12	23	11	\$17.26	Yes	\$37.54	\$20.28
576	4-May-12	23	11	\$17.26	Yes	\$41.24	\$23.98
577	4-May-12	23	12	\$14.39	Yes	\$37.54	\$23.15
578	4-May-12	23	12	\$14.39	Yes	\$41.24	\$26.85
579	4-May-12	24	1	\$21.40	Yes	\$37.54	\$16.14
580	4-May-12	24	2	\$32.90	Yes	\$37.54	\$4.64
581	4-May-12	24	3	\$35.91	Yes	\$37.54	\$1.63

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
582	4-May-12	24	4	\$32.84	Yes	\$32.97	\$0.13
583	4-May-12	24	4	\$32.84	Yes	\$37.54	\$4.70
584	4-May-12	24	5	\$32.18	Yes	\$32.97	\$0.79
585	4-May-12	24	5	\$32.18	Yes	\$37.54	\$5.36
586	4-May-12	24	6	\$28.49	Yes	\$32.97	\$4.48
587	4-May-12	24	6	\$28.49	Yes	\$37.54	\$9.05
588	4-May-12	24	7	\$28.56	Yes	\$30.60	\$2.04
589	4-May-12	24	7	\$28.56	Yes	\$32.97	\$4.41
590	4-May-12	24	7	\$28.56	Yes	\$37.54	\$8.98
591	4-May-12	24	8	\$19.16	Yes	\$30.60	\$11.44
592	4-May-12	24	8	\$19.16	Yes	\$32.97	\$13.81
593	4-May-12	24	8	\$19.16	Yes	\$37.54	\$18.38
594	4-May-12	24	9	\$19.16	Yes	\$30.60	\$11.44
595	4-May-12	24	9	\$19.16	Yes	\$32.97	\$13.81
596	4-May-12	24	9	\$19.16	Yes	\$37.54	\$18.38
597	4-May-12	24	10	\$14.69	Yes	\$30.60	\$15.91
598	4-May-12	24	10	\$14.69	Yes	\$32.97	\$18.28
599	4-May-12	24	10	\$14.69	Yes	\$37.54	\$22.85
600	4-May-12	24	11	\$24.38	Yes	\$30.60	\$6.22
601	4-May-12	24	11	\$24.38	Yes	\$32.97	\$8.59
602	4-May-12	24	11	\$24.38	Yes	\$37.54	\$13.16
603	4-May-12	24	12	\$18.12	Yes	\$30.60	\$12.48
604	4-May-12	24	12	\$18.12	Yes	\$32.97	\$14.85
605	4-May-12	24	12	\$18.12	Yes	\$37.54	\$19.42
606	5-May-12	10	3	\$4.40	Yes	\$32.97	\$28.57
607	5-May-12	10	4	\$13.96	Yes	\$32.97	\$19.01
608	5-May-12	10	5	\$17.47	Yes	\$32.97	\$15.50
609	5-May-12	10	6	\$14.77	Yes	\$32.97	\$18.20
610	5-May-12	10	7	\$18.21	Yes	\$32.97	\$14.76
611	5-May-12	10	8	\$18.19	Yes	\$32.97	\$14.78
612	5-May-12	10	9	\$18.24	Yes	\$32.97	\$14.73
613	5-May-12	10	10	\$22.64	Yes	\$32.97	\$10.33
614	5-May-12	10	11	\$19.23	Yes	\$32.97	\$13.74
615	5-May-12	10	12	\$19.23	Yes	\$32.97	\$13.74
616	5-May-12	11	1	\$16.61	Yes	\$32.97	\$16.36
617	5-May-12	11	2	\$17.89	Yes	\$32.97	\$15.08
618	5-May-12	11	3	\$17.89	Yes	\$32.97	\$15.08
619	5-May-12	11	4	\$17.93	Yes	\$32.97	\$15.04
620	5-May-12	11	5	\$17.93	Yes	\$32.97	\$15.04
621	5-May-12	11	6	\$17.93	Yes	\$32.97	\$15.04
622	5-May-12	11	6	\$17.93	Yes	\$37.54	\$19.61
623	5-May-12	11	7	\$17.93	Yes	\$32.97	\$15.04
624	5-May-12	11	7	\$17.93	Yes	\$37.54	\$19.61
625	5-May-12	11	8	\$24.84	Yes	\$32.97	\$8.13
626	5-May-12	11	8	\$24.84	Yes	\$37.54	\$12.70

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
627	5-May-12	11	9	\$24.84	Yes	\$32.97	\$8.13
628	5-May-12	11	9	\$24.84	Yes	\$37.54	\$12.70
629	5-May-12	11	10	\$23.83	Yes	\$32.97	\$9.14
630	5-May-12	11	10	\$23.83	Yes	\$37.54	\$13.71
631	5-May-12	11	11	\$19.21	Yes	\$32.97	\$13.76
632	5-May-12	11	11	\$19.21	Yes	\$37.54	\$18.33
633	5-May-12	11	12	\$22.42	Yes	\$32.97	\$10.55
634	5-May-12	11	12	\$22.42	Yes	\$37.54	\$15.12
635	5-May-12	12	1	\$15.00	Yes	\$37.54	\$22.54
636	5-May-12	12	2	\$22.26	Yes	\$37.54	\$15.28
637	5-May-12	12	3	\$15.00	Yes	\$37.54	\$22.54
638	5-May-12	12	4	\$17.67	Yes	\$37.54	\$19.87
639	5-May-12	12	5	\$16.53	Yes	\$37.54	\$21.01
640	5-May-12	12	6	\$16.53	Yes	\$37.54	\$21.01
641	5-May-12	12	6	\$16.53	Yes	\$41.24	\$24.71
642	5-May-12	12	7	\$16.54	Yes	\$37.54	\$21.00
643	5-May-12	12	7	\$16.54	Yes	\$41.24	\$24.70
644	5-May-12	12	8	\$17.46	Yes	\$37.54	\$20.08
645	5-May-12	12	8	\$17.46	Yes	\$41.24	\$23.78
646	5-May-12	12	9	\$16.53	Yes	\$37.54	\$21.01
647	5-May-12	12	9	\$16.53	Yes	\$41.24	\$24.71
648	5-May-12	12	10	\$13.93	Yes	\$37.54	\$23.61
649	5-May-12	12	10	\$13.93	Yes	\$41.24	\$27.31
650	5-May-12	12	11	\$13.93	Yes	\$37.54	\$23.61
651	5-May-12	12	11	\$13.93	Yes	\$41.24	\$27.31
652	5-May-12	12	12	\$16.43	Yes	\$37.54	\$21.11
653	5-May-12	12	12	\$16.43	Yes	\$41.24	\$24.81
654	5-May-12	13	1	\$13.65	Yes	\$43.31	\$29.66
655	5-May-12	13	2	\$13.65	Yes	\$43.31	\$29.66
656	5-May-12	13	3	\$13.65	Yes	\$43.31	\$29.66
657	5-May-12	13	4	\$13.55	Yes	\$43.31	\$29.76
658	5-May-12	13	5	\$13.55	Yes	\$43.31	\$29.76
659	5-May-12	13	6	\$13.55	Yes	\$43.31	\$29.76
660	5-May-12	13	7	\$13.54	Yes	\$43.31	\$29.77
661	5-May-12	13	8	\$13.57	Yes	\$43.31	\$29.74
662	5-May-12	13	9	\$13.57	Yes	\$43.31	\$29.74
663	5-May-12	13	10	\$13.55	Yes	\$43.31	\$29.76
664	5-May-12	13	11	\$13.55	Yes	\$43.31	\$29.76
665	5-May-12	13	12	\$13.55	Yes	\$43.31	\$29.76
666	5-May-12	14	1	\$16.47	Yes	\$47.60	\$31.13
667	5-May-12	14	2	\$16.47	Yes	\$47.60	\$31.13
668	5-May-12	14	3	\$16.47	Yes	\$47.60	\$31.13
669	5-May-12	14	4	\$17.43	Yes	\$47.60	\$30.17
670	5-May-12	14	5	\$17.43	Yes	\$47.60	\$30.17
671	5-May-12	14	6	\$17.43	Yes	\$47.60	\$30.17

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
672	5-May-12	14	7	\$17.42	Yes	\$47.60	\$30.18
673	5-May-12	14	8	\$2.68	Yes	\$47.60	\$44.92
674	5-May-12	14	9	\$9.72	Yes	\$47.60	\$37.88
675	5-May-12	14	10	\$7.77	Yes	\$47.60	\$39.83
676	5-May-12	14	11	\$9.76	Yes	\$47.60	\$37.84
677	5-May-12	14	12	\$7.76	Yes	\$47.60	\$39.84
678	5-May-12	15	1	\$7.71	Yes	\$47.60	\$39.89
679	5-May-12	15	2	\$9.70	Yes	\$47.60	\$37.90
680	5-May-12	15	3	\$11.70	Yes	\$47.60	\$35.90
681	5-May-12	15	4	\$9.69	Yes	\$47.60	\$37.91
682	5-May-12	15	5	\$11.68	Yes	\$47.60	\$35.92
683	5-May-12	15	6	\$9.68	Yes	\$47.60	\$37.92
684	5-May-12	15	7	\$10.73	Yes	\$47.60	\$36.87
685	5-May-12	15	8	\$7.69	Yes	\$47.60	\$39.91
686	5-May-12	15	9	\$5.04	Yes	\$47.60	\$42.56
687	5-May-12	15	10	\$11.70	Yes	\$47.60	\$35.90
688	5-May-12	15	11	\$11.70	Yes	\$47.60	\$35.90
689	5-May-12	15	12	\$15.64	Yes	\$47.60	\$31.96
690	5-May-12	16	1	\$17.56	Yes	\$47.60	\$30.04
691	5-May-12	16	2	\$16.58	Yes	\$47.60	\$31.02
692	5-May-12	16	3	\$16.77	Yes	\$47.60	\$30.83
693	5-May-12	16	4	\$39.45	Yes	\$47.60	\$8.15
694	5-May-12	16	5	\$17.51	Yes	\$47.60	\$30.09
695	5-May-12	16	6	\$17.62	Yes	\$47.60	\$29.98
696	5-May-12	16	7	\$17.52	Yes	\$47.60	\$30.08
697	5-May-12	16	8	\$23.58	Yes	\$47.60	\$24.02
698	5-May-12	16	9	\$24.19	Yes	\$47.60	\$23.41
699	5-May-12	16	10	\$22.99	Yes	\$47.60	\$24.61
700	5-May-12	16	11	\$23.43	Yes	\$47.60	\$24.17
701	5-May-12	16	12	\$23.43	Yes	\$47.60	\$24.17
702	5-May-12	17	1	\$21.65	Yes	\$47.60	\$25.95
703	5-May-12	17	2	\$17.36	Yes	\$47.60	\$30.24
704	5-May-12	17	3	\$22.30	Yes	\$43.31	\$21.01
705	5-May-12	17	3	\$22.30	Yes	\$47.60	\$25.30
706	5-May-12	17	4	\$22.33	Yes	\$43.31	\$20.98
707	5-May-12	17	4	\$22.33	Yes	\$47.60	\$25.27
708	5-May-12	17	5	\$22.31	Yes	\$43.31	\$21.00
709	5-May-12	17	5	\$22.31	Yes	\$47.60	\$25.29
710	5-May-12	17	6	\$21.85	Yes	\$43.31	\$21.46
711	5-May-12	17	6	\$21.85	Yes	\$47.60	\$25.75
712	5-May-12	17	7	\$17.36	Yes	\$43.31	\$25.95
713	5-May-12	17	7	\$17.36	Yes	\$47.60	\$30.24
714	5-May-12	17	8	\$17.42	Yes	\$43.31	\$25.89
715	5-May-12	17	8	\$17.42	Yes	\$47.60	\$30.18
716	5-May-12	17	9	\$17.42	Yes	\$43.31	\$25.89

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
717	5-May-12	17	9	\$17.42	Yes	\$47.60	\$30.18
718	5-May-12	17	10	\$17.43	Yes	\$43.31	\$25.88
719	5-May-12	17	10	\$17.43	Yes	\$47.60	\$30.17
720	5-May-12	17	11	\$17.30	Yes	\$43.31	\$26.01
721	5-May-12	17	11	\$17.30	Yes	\$47.60	\$30.30
722	5-May-12	17	12	\$17.43	Yes	\$43.31	\$25.88
723	5-May-12	17	12	\$17.43	Yes	\$47.60	\$30.17
724	5-May-12	18	1	\$22.13	Yes	\$43.31	\$21.18
725	5-May-12	18	2	\$17.50	Yes	\$43.31	\$25.81
726	5-May-12	18	3	\$17.50	Yes	\$43.31	\$25.81
727	5-May-12	18	4	\$17.27	Yes	\$43.31	\$26.04
728	5-May-12	18	5	\$17.27	Yes	\$41.24	\$23.97
729	5-May-12	18	5	\$17.27	Yes	\$43.31	\$26.04
730	5-May-12	18	6	\$16.55	Yes	\$41.24	\$24.69
731	5-May-12	18	6	\$16.55	Yes	\$43.31	\$26.76
732	5-May-12	18	7	\$17.37	Yes	\$41.24	\$23.87
733	5-May-12	18	7	\$17.37	Yes	\$43.31	\$25.94
734	5-May-12	18	8	\$16.15	Yes	\$41.24	\$25.09
735	5-May-12	18	8	\$16.15	Yes	\$43.31	\$27.16
736	5-May-12	18	9	\$16.15	Yes	\$41.24	\$25.09
737	5-May-12	18	9	\$16.15	Yes	\$43.31	\$27.16
738	5-May-12	18	10	\$12.44	Yes	\$41.24	\$28.80
739	5-May-12	18	10	\$12.44	Yes	\$43.31	\$30.87
740	5-May-12	18	11	\$12.44	Yes	\$41.24	\$28.80
741	5-May-12	18	11	\$12.44	Yes	\$43.31	\$30.87
742	5-May-12	18	12	\$12.44	Yes	\$41.24	\$28.80
743	5-May-12	18	12	\$12.44	Yes	\$43.31	\$30.87
744	5-May-12	19	1	\$15.98	Yes	\$41.24	\$25.26
745	5-May-12	19	2	\$15.98	Yes	\$41.24	\$25.26
746	5-May-12	19	3	\$15.98	Yes	\$41.24	\$25.26
747	5-May-12	19	4	\$15.93	Yes	\$41.24	\$25.31
748	5-May-12	19	5	\$17.22	Yes	\$41.24	\$24.02
749	5-May-12	19	6	\$15.93	Yes	\$41.24	\$25.31
750	5-May-12	19	7	\$16.16	Yes	\$37.54	\$21.38
751	5-May-12	19	7	\$16.16	Yes	\$41.24	\$25.08
752	5-May-12	19	8	\$11.09	Yes	\$37.54	\$26.45
753	5-May-12	19	8	\$11.09	Yes	\$41.24	\$30.15
754	5-May-12	19	9	\$11.67	Yes	\$37.54	\$25.87
755	5-May-12	19	9	\$11.67	Yes	\$41.24	\$29.57
756	5-May-12	19	10	\$11.91	Yes	\$37.54	\$25.63
757	5-May-12	19	10	\$11.91	Yes	\$41.24	\$29.33
758	5-May-12	19	11	\$11.91	Yes	\$37.54	\$25.63
759	5-May-12	19	11	\$11.91	Yes	\$41.24	\$29.33
760	5-May-12	19	12	\$11.10	Yes	\$37.54	\$26.44
761	5-May-12	19	12	\$11.10	Yes	\$41.24	\$30.14

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762	5-May-12	20	1	\$7.81	Yes	\$31.29	\$23.48
763	5-May-12	20	2	\$4.91	Yes	\$31.29	\$26.38
764	5-May-12	20	3	\$9.82	Yes	\$31.29	\$21.47
765	5-May-12	20	4	\$11.30	Yes	\$31.29	\$19.99
766	5-May-12	20	5	\$11.36	Yes	\$31.29	\$19.93
767	5-May-12	20	6	\$11.80	Yes	\$31.29	\$19.49
768	5-May-12	20	7	\$14.21	Yes	\$31.29	\$17.08
769	5-May-12	20	8	\$14.17	Yes	\$31.29	\$17.12
770	5-May-12	20	9	\$14.37	Yes	\$31.29	\$16.92
771	5-May-12	20	10	\$17.58	Yes	\$31.29	\$13.71
772	5-May-12	20	11	\$17.77	Yes	\$31.29	\$13.52
773	5-May-12	20	12	\$17.58	Yes	\$31.29	\$13.71
774	5-May-12	21	1	\$325.21	Yes	\$31.29	(\$293.92)
775	5-May-12	21	2	\$32.37	Yes	\$31.29	(\$1.08)
776	5-May-12	21	3	\$31.18	Yes	\$31.29	\$0.11
777	5-May-12	21	4	\$31.23	Yes	\$31.29	\$0.06
778	5-May-12	21	5	\$31.23	Yes	\$31.29	\$0.06
779	5-May-12	21	6	\$30.84	Yes	\$31.29	\$0.45
780	5-May-12	21	7	\$28.86	Yes	\$31.29	\$2.43
781	5-May-12	21	8	\$28.96	Yes	\$31.29	\$2.33
782	5-May-12	21	9	\$28.96	Yes	\$31.29	\$2.33
783	5-May-12	21	10	\$29.52	Yes	\$31.29	\$1.77
784	5-May-12	21	11	\$18.18	Yes	\$31.29	\$13.11
785	5-May-12	21	12	\$26.14	Yes	\$31.29	\$5.15
786	5-May-12	22	1	\$34.58	Yes	\$32.97	(\$1.61)
787	5-May-12	22	2	\$31.17	Yes	\$32.97	\$1.80
788	5-May-12	22	3	\$29.13	Yes	\$32.97	\$3.84
789	5-May-12	22	4	\$31.34	Yes	\$32.97	\$1.63
790	5-May-12	22	5	\$31.48	Yes	\$32.97	\$1.49
791	5-May-12	22	6	\$32.42	Yes	\$32.97	\$0.55
792	5-May-12	22	7	\$32.19	Yes	\$32.97	\$0.78
793	5-May-12	22	8	\$23.56	Yes	\$32.97	\$9.41
794	5-May-12	22	9	\$23.56	Yes	\$32.97	\$9.41
795	5-May-12	22	10	\$24.66	Yes	\$32.97	\$8.31
796	5-May-12	22	11	\$17.99	Yes	\$32.97	\$14.98
797	5-May-12	22	12	\$29.77	Yes	\$32.97	\$3.20
798	5-May-12	23	5	\$17.86	Yes	\$32.97	\$15.11
799	5-May-12	23	6	\$17.81	Yes	\$32.97	\$15.16
800	5-May-12	23	7	\$17.95	Yes	\$32.97	\$15.02
801	5-May-12	23	8	\$17.93	Yes	\$32.97	\$15.04
802	5-May-12	23	9	\$17.71	Yes	\$32.97	\$15.26
803	5-May-12	23	10	\$9.90	Yes	\$32.97	\$23.07
804	5-May-12	23	11	\$14.57	Yes	\$32.97	\$18.40
805	5-May-12	23	12	\$15.09	Yes	\$32.97	\$17.88
806	5-May-12	24	1	\$15.53	Yes	\$32.97	\$17.44

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
807	5-May-12	24	2	\$15.24	Yes	\$32.97	\$17.73
808	5-May-12	24	3	\$17.67	Yes	\$32.97	\$15.30
809	5-May-12	24	4	\$18.23	Yes	\$32.97	\$14.74
810	5-May-12	24	5	\$17.69	Yes	\$32.97	\$15.28
811	5-May-12	24	6	\$3.59	Yes	\$32.97	\$29.38
812	5-May-12	24	7	\$18.26	Yes	\$32.97	\$14.71
813	5-May-12	24	8	\$10.98	Yes	\$32.97	\$21.99
814	5-May-12	24	9	\$11.37	Yes	\$32.97	\$21.60
815	5-May-12	24	10	\$0.01	Yes	\$32.97	\$32.96
816	5-May-12	24	11	\$0.01	Yes	\$32.97	\$32.96
817	6-May-12	10	4	\$18.15	Yes	\$30.60	\$12.45
818	6-May-12	10	5	\$17.97	Yes	\$30.60	\$12.63
819	6-May-12	10	6	\$11.95	Yes	\$30.60	\$18.65
820	6-May-12	10	7	\$13.82	Yes	\$30.60	\$16.78
821	6-May-12	10	8	\$18.08	Yes	\$30.60	\$12.52
822	6-May-12	10	9	\$18.09	Yes	\$30.60	\$12.51
823	6-May-12	10	10	\$18.01	Yes	\$30.60	\$12.59
824	6-May-12	10	11	\$17.99	Yes	\$30.60	\$12.61
825	6-May-12	10	12	\$13.76	Yes	\$30.60	\$16.84
826	6-May-12	11	1	\$13.68	Yes	\$30.60	\$16.92
827	6-May-12	11	2	\$13.68	Yes	\$30.60	\$16.92
828	6-May-12	11	3	\$13.68	Yes	\$30.60	\$16.92
829	6-May-12	11	4	\$16.47	Yes	\$30.60	\$14.13
830	6-May-12	11	5	\$13.65	Yes	\$32.97	\$19.32
831	6-May-12	11	6	\$14.53	Yes	\$32.97	\$18.44
832	6-May-12	11	7	\$13.81	Yes	\$32.97	\$19.16
833	6-May-12	11	8	\$14.51	Yes	\$32.97	\$18.46
834	6-May-12	11	9	\$13.72	Yes	\$32.97	\$19.25
835	6-May-12	11	10	\$14.58	Yes	\$32.97	\$18.39
836	6-May-12	11	11	\$14.58	Yes	\$32.97	\$18.39
837	6-May-12	11	12	\$13.77	Yes	\$32.97	\$19.20
838	6-May-12	12	1	\$13.73	Yes	\$32.97	\$19.24
839	6-May-12	12	2	\$14.13	Yes	\$32.97	\$18.84
840	6-May-12	12	3	\$14.50	Yes	\$32.97	\$18.47
841	6-May-12	12	4	\$14.53	Yes	\$32.97	\$18.44
842	6-May-12	12	5	\$14.18	Yes	\$32.97	\$18.79
843	6-May-12	12	6	\$17.98	Yes	\$32.97	\$14.99
844	6-May-12	12	7	\$18.31	Yes	\$32.97	\$14.66
845	6-May-12	12	8	\$21.62	Yes	\$32.97	\$11.35
846	6-May-12	12	9	\$21.62	Yes	\$32.97	\$11.35
847	6-May-12	12	10	\$18.20	Yes	\$32.97	\$14.77
848	6-May-12	12	11	\$19.22	Yes	\$32.97	\$13.75
849	6-May-12	12	12	\$18.08	Yes	\$32.97	\$14.89
850	6-May-12	13	4	\$21.41	Yes	\$30.60	\$9.19
851	6-May-12	13	5	\$17.12	Yes	\$30.60	\$13.48

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
852	6-May-12	13	6	\$17.93	Yes	\$30.60	\$12.67
853	6-May-12	13	7	\$17.68	Yes	\$30.60	\$12.92
854	6-May-12	13	8	\$16.66	Yes	\$30.60	\$13.94
855	6-May-12	13	9	\$17.67	Yes	\$30.60	\$12.93
856	6-May-12	13	10	\$18.05	Yes	\$30.60	\$12.55
857	6-May-12	13	11	\$18.05	Yes	\$30.60	\$12.55
858	6-May-12	13	12	\$18.10	Yes	\$30.60	\$12.50
859	6-May-12	13	12	\$18.10	Yes	\$32.97	\$14.87
860	6-May-12	14	1	\$17.63	Yes	\$32.97	\$15.34
861	6-May-12	14	2	\$13.75	Yes	\$32.97	\$19.22
862	6-May-12	14	3	\$11.92	Yes	\$32.97	\$21.05
863	6-May-12	14	4	\$13.62	Yes	\$32.97	\$19.35
864	6-May-12	14	5	\$13.62	Yes	\$32.97	\$19.35
865	6-May-12	14	6	\$13.62	Yes	\$32.97	\$19.35
866	6-May-12	14	7	\$17.79	Yes	\$32.97	\$15.18
867	6-May-12	14	8	\$17.48	Yes	\$32.97	\$15.49
868	6-May-12	14	9	\$17.48	Yes	\$32.97	\$15.49
869	6-May-12	14	10	\$17.55	Yes	\$32.97	\$15.42
870	6-May-12	14	11	\$17.55	Yes	\$32.97	\$15.42
871	6-May-12	14	12	\$17.55	Yes	\$32.97	\$15.42
872	6-May-12	15	1	\$17.84	Yes	\$32.97	\$15.13
873	6-May-12	15	2	\$17.90	Yes	\$32.97	\$15.07
874	6-May-12	15	3	\$17.84	Yes	\$32.97	\$15.13
875	6-May-12	15	4	\$17.88	Yes	\$32.97	\$15.09
876	6-May-12	15	5	\$17.83	Yes	\$32.97	\$15.14
877	6-May-12	15	6	\$17.88	Yes	\$32.97	\$15.09
878	6-May-12	15	7	\$17.89	Yes	\$32.97	\$15.08
879	6-May-12	15	8	\$17.88	Yes	\$32.97	\$15.09
880	6-May-12	15	9	\$17.88	Yes	\$32.97	\$15.09
881	6-May-12	15	10	\$17.86	Yes	\$32.97	\$15.11
882	6-May-12	15	11	\$17.86	Yes	\$32.97	\$15.11
883	6-May-12	15	12	\$17.86	Yes	\$32.97	\$15.11
884	6-May-12	16	1	\$16.23	Yes	\$32.97	\$16.74
885	6-May-12	16	2	\$16.23	Yes	\$32.97	\$16.74
886	6-May-12	16	3	\$16.23	Yes	\$32.97	\$16.74
887	6-May-12	16	4	\$17.33	Yes	\$32.97	\$15.64
888	6-May-12	16	5	\$17.54	Yes	\$32.97	\$15.43
889	6-May-12	16	6	\$17.86	Yes	\$32.97	\$15.11
890	6-May-12	16	7	\$22.44	Yes	\$32.97	\$10.53
891	6-May-12	16	8	\$17.88	Yes	\$32.97	\$15.09
892	6-May-12	16	9	\$17.88	Yes	\$32.97	\$15.09
893	6-May-12	16	10	\$17.57	Yes	\$32.97	\$15.40
894	6-May-12	16	11	\$17.89	Yes	\$32.97	\$15.08
895	6-May-12	16	12	\$17.89	Yes	\$32.97	\$15.08
896	6-May-12	17	1	\$21.42	Yes	\$32.97	\$11.55

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
897	6-May-12	17	2	\$22.49	Yes	\$32.97	\$10.48
898	6-May-12	17	3	\$29.71	Yes	\$32.97	\$3.26
899	6-May-12	17	4	\$31.00	Yes	\$32.97	\$1.97
900	6-May-12	17	5	\$32.01	Yes	\$32.97	\$0.96
901	6-May-12	17	6	\$34.39	Yes	\$32.97	(\$1.42)
902	6-May-12	17	7	\$32.76	Yes	\$32.97	\$0.21
903	6-May-12	17	8	\$29.72	Yes	\$32.97	\$3.25
904	6-May-12	17	9	\$24.86	Yes	\$32.97	\$8.11
905	6-May-12	17	10	\$29.71	Yes	\$32.97	\$3.26
906	6-May-12	17	11	\$24.84	Yes	\$32.97	\$8.13
907	6-May-12	17	12	\$24.30	Yes	\$32.97	\$8.67
908	10-May-12	12	7	\$18.66	Yes	\$31.11	\$12.45
909	10-May-12	12	8	\$19.78	Yes	\$31.11	\$11.33
910	10-May-12	12	9	\$18.89	Yes	\$31.11	\$12.22
911	10-May-12	12	10	\$17.26	Yes	\$31.11	\$13.85
912	10-May-12	12	11	\$18.54	Yes	\$31.11	\$12.57
913	10-May-12	12	12	\$19.49	Yes	\$31.11	\$11.62
914	10-May-12	13	1	\$19.16	Yes	\$30.60	\$11.44
915	10-May-12	13	2	\$20.12	Yes	\$30.60	\$10.48
916	10-May-12	13	3	\$20.75	Yes	\$30.60	\$9.85
917	10-May-12	13	4	\$20.36	Yes	\$30.60	\$10.24
918	10-May-12	13	5	\$20.36	Yes	\$30.60	\$10.24
919	10-May-12	13	6	\$19.62	Yes	\$30.60	\$10.98
920	10-May-12	13	7	\$19.38	Yes	\$30.60	\$11.22
921	10-May-12	13	8	\$19.63	Yes	\$30.60	\$10.97
922	10-May-12	13	9	\$20.21	Yes	\$30.60	\$10.39
923	10-May-12	13	10	\$22.07	Yes	\$30.60	\$8.53
924	10-May-12	13	11	\$21.03	Yes	\$30.60	\$9.57
925	10-May-12	13	12	\$20.53	Yes	\$30.60	\$10.07
926	10-May-12	14	1	\$20.30	Yes	\$30.60	\$10.30
927	10-May-12	14	2	\$23.72	Yes	\$30.60	\$6.88
928	10-May-12	14	3	\$28.01	Yes	\$30.60	\$2.59
929	10-May-12	14	4	\$23.76	Yes	\$30.60	\$6.84
930	10-May-12	14	5	\$25.83	Yes	\$30.60	\$4.77
931	10-May-12	14	6	\$23.93	Yes	\$30.60	\$6.67
932	10-May-12	14	7	\$22.58	Yes	\$30.60	\$8.02
933	10-May-12	14	8	\$23.19	Yes	\$30.60	\$7.41
934	10-May-12	14	9	\$23.84	Yes	\$30.60	\$6.76
935	10-May-12	14	10	\$27.76	Yes	\$30.60	\$2.84
936	10-May-12	14	11	\$27.76	Yes	\$30.60	\$2.84
937	10-May-12	14	12	\$37.86	Yes	\$30.60	(\$7.26)
938	10-May-12	15	1	\$23.50	Yes	\$30.60	\$7.10
939	10-May-12	15	2	\$23.96	Yes	\$30.60	\$6.64
940	10-May-12	15	3	\$24.46	Yes	\$30.60	\$6.14
941	10-May-12	15	4	\$23.78	Yes	\$30.60	\$6.82

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
942	10-May-12	15	5	\$23.69	Yes	\$30.60	\$6.91
943	10-May-12	15	6	\$23.69	Yes	\$30.60	\$6.91
944	10-May-12	15	7	\$23.70	Yes	\$30.60	\$6.90
945	10-May-12	15	8	\$24.03	Yes	\$30.60	\$6.57
946	10-May-12	15	9	\$24.00	Yes	\$30.60	\$6.60
947	10-May-12	15	10	\$24.25	Yes	\$30.60	\$6.35
948	10-May-12	15	11	\$25.78	Yes	\$30.60	\$4.82
949	10-May-12	15	12	\$29.10	Yes	\$30.60	\$1.50
950	10-May-12	16	1	\$20.74	Yes	\$30.60	\$9.86
951	10-May-12	16	2	\$19.63	Yes	\$30.60	\$10.97
952	10-May-12	16	3	\$19.96	Yes	\$30.60	\$10.64
953	10-May-12	16	4	\$19.91	Yes	\$30.60	\$10.69
954	10-May-12	16	5	\$20.05	Yes	\$30.60	\$10.55
955	10-May-12	16	6	\$30.33	Yes	\$30.60	\$0.27
956	10-May-12	16	7	\$27.42	Yes	\$30.60	\$3.18
957	10-May-12	16	8	\$27.80	Yes	\$30.60	\$2.80
958	10-May-12	16	9	\$23.54	Yes	\$30.60	\$7.06
959	10-May-12	16	10	\$27.81	Yes	\$30.60	\$2.79
960	10-May-12	16	11	\$24.68	Yes	\$30.60	\$5.92
961	10-May-12	16	12	\$24.47	Yes	\$30.60	\$6.13
962	10-May-12	17	1	\$24.05	Yes	\$30.60	\$6.55
963	10-May-12	17	2	\$23.20	Yes	\$30.60	\$7.40
964	10-May-12	17	3	\$24.31	Yes	\$30.60	\$6.29
965	10-May-12	17	4	\$27.81	Yes	\$30.60	\$2.79
966	10-May-12	17	5	\$19.71	Yes	\$30.60	\$10.89
967	10-May-12	17	6	\$20.01	Yes	\$30.60	\$10.59
968	10-May-12	17	7	\$21.31	Yes	\$30.60	\$9.29
969	10-May-12	17	8	\$20.14	Yes	\$30.60	\$10.46
970	10-May-12	17	9	\$20.14	Yes	\$30.60	\$10.46
971	10-May-12	17	10	\$21.80	Yes	\$30.60	\$8.80
972	10-May-12	17	11	\$20.47	Yes	\$30.60	\$10.13
973	10-May-12	17	12	\$27.73	Yes	\$30.60	\$2.87
974	10-May-12	18	1	\$34.28	Yes	\$30.60	(\$3.68)
975	10-May-12	18	2	\$28.39	Yes	\$30.60	\$2.21
976	10-May-12	18	3	\$28.93	Yes	\$30.60	\$1.67
977	10-May-12	18	4	\$29.29	Yes	\$30.60	\$1.31
978	10-May-12	18	5	\$27.13	Yes	\$30.60	\$3.47
979	10-May-12	18	6	\$20.13	Yes	\$30.60	\$10.47
980	10-May-12	18	7	\$22.16	Yes	\$30.60	\$8.44
981	10-May-12	18	8	\$22.62	Yes	\$30.60	\$7.98
982	10-May-12	18	9	\$23.27	Yes	\$30.60	\$7.33
983	10-May-12	18	10	\$27.88	Yes	\$30.60	\$2.72
984	10-May-12	18	11	\$26.51	Yes	\$30.60	\$4.09
985	10-May-12	18	12	\$25.28	Yes	\$30.60	\$5.32
986	10-May-12	19	1	\$30.67	Yes	\$30.60	(\$0.07)

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
987	10-May-12	19	2	\$28.45	Yes	\$30.60	\$2.15
988	10-May-12	19	3	\$31.37	Yes	\$30.60	(\$0.77)
989	10-May-12	19	4	\$29.28	Yes	\$30.60	\$1.32
990	10-May-12	19	5	\$28.85	Yes	\$30.60	\$1.75
991	10-May-12	19	6	\$27.98	Yes	\$30.60	\$2.62
992	10-May-12	19	7	\$27.94	Yes	\$30.60	\$2.66
993	10-May-12	19	8	\$27.98	Yes	\$30.60	\$2.62
994	10-May-12	19	9	\$24.74	Yes	\$30.60	\$5.86
995	10-May-12	19	10	\$28.56	Yes	\$30.60	\$2.04
996	10-May-12	19	11	\$26.98	Yes	\$30.60	\$3.62
997	10-May-12	19	12	\$23.39	Yes	\$30.60	\$7.21
998	10-May-12	20	1	\$33.04	Yes	\$30.60	(\$2.44)
999	10-May-12	20	2	\$27.97	Yes	\$30.60	\$2.63
1000	10-May-12	20	3	\$20.02	Yes	\$30.60	\$10.58
1001	10-May-12	20	4	\$20.31	Yes	\$30.60	\$10.29
1002	10-May-12	20	5	\$23.48	Yes	\$30.60	\$7.12
1003	10-May-12	20	6	\$23.48	Yes	\$30.60	\$7.12
1004	10-May-12	20	7	\$28.02	Yes	\$30.60	\$2.58
1005	10-May-12	20	8	\$31.56	Yes	\$30.60	(\$0.96)
1006	10-May-12	20	9	\$30.86	Yes	\$30.60	(\$0.26)
1007	10-May-12	20	10	\$23.05	Yes	\$30.60	\$7.55
1008	10-May-12	20	11	\$24.69	Yes	\$30.60	\$5.91
1009	10-May-12	20	12	\$28.10	Yes	\$30.60	\$2.50
1010	10-May-12	21	1	\$51.29	Yes	\$30.60	(\$20.69)
1011	10-May-12	21	2	\$30.88	Yes	\$30.60	(\$0.28)
1012	10-May-12	21	3	\$24.55	Yes	\$30.60	\$6.05
1013	10-May-12	21	4	\$27.52	Yes	\$30.60	\$3.08
1014	10-May-12	21	5	\$28.05	Yes	\$30.60	\$2.55
1015	10-May-12	21	6	\$28.05	Yes	\$30.60	\$2.55
1016	10-May-12	21	7	\$27.97	Yes	\$30.60	\$2.63
1017	10-May-12	21	8	\$28.14	Yes	\$30.60	\$2.46
1018	10-May-12	21	9	\$27.50	Yes	\$30.60	\$3.10
1019	10-May-12	21	10	\$26.75	Yes	\$30.60	\$3.85
1020	10-May-12	21	11	\$23.24	Yes	\$30.60	\$7.36
1021	10-May-12	21	12	\$23.24	Yes	\$30.60	\$7.36
1022	10-May-12	22	1	\$37.41	Yes	\$31.11	(\$6.30)
1023	10-May-12	22	2	\$36.37	Yes	\$31.11	(\$5.26)
1024	10-May-12	22	3	\$32.44	Yes	\$31.11	(\$1.33)
1025	10-May-12	22	4	\$33.25	Yes	\$31.11	(\$2.14)
1026	10-May-12	22	5	\$30.11	Yes	\$31.11	\$1.00
1027	10-May-12	22	6	\$29.26	Yes	\$31.11	\$1.85
1028	10-May-12	22	7	\$23.05	Yes	\$31.11	\$8.06
1029	10-May-12	22	8	\$18.66	Yes	\$31.11	\$12.45
1030	10-May-12	22	9	\$17.39	Yes	\$31.11	\$13.72
1031	10-May-12	22	10	\$18.53	Yes	\$31.11	\$12.58

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1032	10-May-12	22	11	\$17.91	Yes	\$31.11	\$13.20
1033	10-May-12	22	12	\$16.62	Yes	\$31.11	\$14.49
1034	12-May-12	10	1	\$21.46	No	\$31.11	\$9.65
1035	12-May-12	10	2	\$21.54	No	\$31.11	\$9.57
1036	12-May-12	10	3	\$21.54	No	\$31.11	\$9.57
1037	12-May-12	11	2	\$20.28	Yes	\$31.11	\$10.83
1038	12-May-12	11	3	\$21.72	Yes	\$31.11	\$9.39
1039	12-May-12	11	4	\$19.72	Yes	\$31.11	\$11.39
1040	12-May-12	11	5	\$19.66	Yes	\$31.11	\$11.45
1041	12-May-12	11	6	\$19.53	Yes	\$31.11	\$11.58
1042	12-May-12	11	7	\$19.20	Yes	\$31.11	\$11.91
1043	12-May-12	11	8	\$18.92	Yes	\$31.11	\$12.19
1044	12-May-12	11	9	\$18.92	Yes	\$31.11	\$12.19
1045	12-May-12	11	10	\$19.21	Yes	\$31.11	\$11.90
1046	12-May-12	11	11	\$19.21	Yes	\$31.11	\$11.90
1047	12-May-12	11	12	\$36.35	Yes	\$31.11	(\$5.24)
1048	12-May-12	12	1	\$19.48	Yes	\$31.11	\$11.63
1049	12-May-12	12	2	\$19.43	Yes	\$31.11	\$11.68
1050	12-May-12	12	3	\$19.46	Yes	\$31.11	\$11.65
1051	12-May-12	12	4	\$22.59	Yes	\$31.11	\$8.52
1052	12-May-12	12	5	\$24.83	Yes	\$31.11	\$6.28
1053	12-May-12	12	6	\$30.12	Yes	\$31.11	\$0.99
1054	12-May-12	12	7	\$29.73	Yes	\$31.11	\$1.38
1055	12-May-12	12	8	\$29.67	Yes	\$31.11	\$1.44
1056	12-May-12	12	9	\$29.67	Yes	\$31.11	\$1.44
1057	12-May-12	12	10	\$30.12	Yes	\$31.11	\$0.99
1058	12-May-12	12	11	\$29.63	Yes	\$31.11	\$1.48
1059	12-May-12	12	12	\$30.16	Yes	\$31.11	\$0.95
1060	12-May-12	14	5	\$19.34	Yes	\$32.97	\$13.63
1061	12-May-12	14	6	\$19.52	Yes	\$35.42	\$15.90
1062	12-May-12	14	7	\$19.91	Yes	\$35.42	\$15.51
1063	12-May-12	14	8	\$20.58	Yes	\$35.42	\$14.84
1064	12-May-12	14	9	\$21.59	Yes	\$35.42	\$13.83
1065	12-May-12	14	10	\$19.52	Yes	\$35.42	\$15.90
1066	12-May-12	14	11	\$20.53	Yes	\$35.42	\$14.89
1067	12-May-12	14	12	\$24.65	Yes	\$35.42	\$10.77
1068	12-May-12	15	1	\$19.54	Yes	\$35.42	\$15.88
1069	12-May-12	15	2	\$20.04	Yes	\$35.42	\$15.38
1070	12-May-12	15	3	\$19.56	Yes	\$35.42	\$15.86
1071	12-May-12	15	4	\$19.51	Yes	\$35.42	\$15.91
1072	12-May-12	15	5	\$19.51	Yes	\$35.42	\$15.91
1073	12-May-12	15	6	\$19.50	Yes	\$35.42	\$15.92
1074	12-May-12	15	7	\$19.53	Yes	\$35.42	\$15.89
1075	12-May-12	15	8	\$19.51	Yes	\$35.42	\$15.91
1076	12-May-12	15	9	\$19.95	Yes	\$35.42	\$15.47

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1077	12-May-12	15	10	\$26.45	Yes	\$35.42	\$8.97
1078	12-May-12	15	11	\$26.45	Yes	\$35.42	\$8.97
1079	12-May-12	15	12	\$26.45	Yes	\$35.42	\$8.97
1080	12-May-12	16	1	\$28.31	Yes	\$35.42	\$7.11
1081	12-May-12	16	2	\$26.31	Yes	\$35.42	\$9.11
1082	12-May-12	16	3	\$22.26	Yes	\$35.42	\$13.16
1083	12-May-12	16	4	\$19.40	Yes	\$35.42	\$16.02
1084	12-May-12	16	5	\$19.79	Yes	\$35.42	\$15.63
1085	12-May-12	16	6	\$20.00	Yes	\$35.42	\$15.42
1086	12-May-12	16	7	\$19.91	Yes	\$35.42	\$15.51
1087	12-May-12	16	8	\$22.58	Yes	\$35.42	\$12.84
1088	12-May-12	16	9	\$29.65	Yes	\$35.42	\$5.77
1089	12-May-12	16	10	\$20.95	Yes	\$35.42	\$14.47
1090	12-May-12	16	11	\$20.95	Yes	\$35.42	\$14.47
1091	12-May-12	16	12	\$20.89	Yes	\$35.42	\$14.53
1092	12-May-12	17	1	\$21.11	Yes	\$35.42	\$14.31
1093	12-May-12	17	2	\$21.11	Yes	\$35.42	\$14.31
1094	12-May-12	17	3	\$21.11	Yes	\$35.42	\$14.31
1095	12-May-12	17	4	\$21.02	Yes	\$35.42	\$14.40
1096	12-May-12	17	5	\$26.64	Yes	\$35.42	\$8.78
1097	12-May-12	17	6	\$22.86	Yes	\$35.42	\$12.56
1098	12-May-12	17	7	\$22.14	Yes	\$35.42	\$13.28
1099	12-May-12	17	8	\$22.96	Yes	\$35.42	\$12.46
1100	12-May-12	17	9	\$22.96	Yes	\$35.42	\$12.46
1101	12-May-12	17	10	\$22.95	Yes	\$35.42	\$12.47
1102	12-May-12	17	11	\$21.20	Yes	\$35.42	\$14.22
1103	12-May-12	17	12	\$20.60	Yes	\$35.42	\$14.82
1104	12-May-12	18	1	\$20.91	Yes	\$35.42	\$14.51
1105	12-May-12	18	2	\$20.91	Yes	\$35.42	\$14.51
1106	12-May-12	18	3	\$21.20	Yes	\$35.42	\$14.22
1107	12-May-12	18	4	\$21.20	Yes	\$35.42	\$14.22
1108	12-May-12	18	5	\$21.44	Yes	\$35.42	\$13.98
1109	12-May-12	18	6	\$25.28	Yes	\$35.42	\$10.14
1110	12-May-12	18	7	\$21.99	Yes	\$35.42	\$13.43
1111	12-May-12	18	8	\$21.07	Yes	\$35.42	\$14.35
1112	12-May-12	18	9	\$28.95	Yes	\$35.42	\$6.47
1113	12-May-12	18	10	\$29.00	Yes	\$35.42	\$6.42
1114	12-May-12	18	11	\$27.42	Yes	\$35.42	\$8.00
1115	12-May-12	18	12	\$26.09	Yes	\$35.42	\$9.33
1116	12-May-12	19	1	\$24.89	Yes	\$35.42	\$10.53
1117	12-May-12	19	2	\$24.81	Yes	\$35.42	\$10.61
1118	12-May-12	19	3	\$24.01	Yes	\$35.42	\$11.41
1119	12-May-12	19	4	\$24.89	Yes	\$35.42	\$10.53
1120	12-May-12	19	5	\$24.81	Yes	\$35.42	\$10.61
1121	12-May-12	19	6	\$24.81	Yes	\$35.42	\$10.61

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1122	12-May-12	19	7	\$27.43	Yes	\$35.42	\$7.99
1123	12-May-12	19	8	\$21.60	Yes	\$35.42	\$13.82
1124	12-May-12	19	9	\$21.13	Yes	\$35.42	\$14.29
1125	12-May-12	19	10	\$19.45	Yes	\$35.42	\$15.97
1126	12-May-12	19	11	\$19.45	Yes	\$35.42	\$15.97
1127	12-May-12	19	12	\$19.45	Yes	\$35.42	\$15.97
1128	12-May-12	20	1	\$19.45	Yes	\$35.42	\$15.97
1129	12-May-12	20	2	\$19.45	Yes	\$35.42	\$15.97
1130	12-May-12	20	3	\$19.45	Yes	\$35.42	\$15.97
1131	12-May-12	20	4	\$19.45	Yes	\$35.42	\$15.97
1132	12-May-12	20	5	\$17.95	Yes	\$35.42	\$17.47
1133	12-May-12	20	6	\$19.70	Yes	\$35.42	\$15.72
1134	12-May-12	20	7	\$20.83	Yes	\$35.42	\$14.59
1135	12-May-12	20	8	\$20.45	Yes	\$35.42	\$14.97
1136	12-May-12	20	9	\$19.59	Yes	\$35.42	\$15.83
1137	12-May-12	20	10	\$19.59	Yes	\$35.42	\$15.83
1138	12-May-12	20	11	\$21.16	Yes	\$35.42	\$14.26
1139	12-May-12	20	12	\$20.11	Yes	\$35.42	\$15.31
1140	12-May-12	21	1	\$23.16	Yes	\$35.42	\$12.26
1141	12-May-12	21	2	\$23.13	Yes	\$35.42	\$12.29
1142	12-May-12	21	3	\$21.17	Yes	\$35.42	\$14.25
1143	12-May-12	21	4	\$26.83	Yes	\$35.42	\$8.59
1144	12-May-12	21	5	\$21.01	Yes	\$35.42	\$14.41
1145	12-May-12	21	6	\$23.08	Yes	\$35.42	\$12.34
1146	12-May-12	21	7	\$23.09	Yes	\$35.42	\$12.33
1147	12-May-12	21	8	\$19.45	Yes	\$35.42	\$15.97
1148	12-May-12	21	9	\$20.48	Yes	\$35.42	\$14.94
1149	12-May-12	21	10	\$20.94	Yes	\$35.42	\$14.48
1150	12-May-12	21	11	\$20.92	Yes	\$35.42	\$14.50
1151	12-May-12	21	12	\$21.42	Yes	\$35.42	\$14.00
1152	12-May-12	22	1	\$34.57	Yes	\$35.42	\$0.85
1153	12-May-12	22	2	\$34.57	Yes	\$35.42	\$0.85
1154	12-May-12	22	3	\$22.07	Yes	\$35.42	\$13.35
1155	12-May-12	22	4	\$32.73	Yes	\$35.42	\$2.69
1156	12-May-12	22	5	\$31.04	Yes	\$35.42	\$4.38
1157	12-May-12	22	6	\$21.65	Yes	\$35.42	\$13.77
1158	12-May-12	22	7	\$21.31	Yes	\$35.42	\$14.11
1159	12-May-12	22	8	\$19.59	Yes	\$35.42	\$15.83
1160	12-May-12	22	9	\$19.62	Yes	\$35.42	\$15.80
1161	12-May-12	22	10	\$19.53	Yes	\$35.42	\$15.89
1162	12-May-12	22	11	\$19.46	Yes	\$35.42	\$15.96
1163	12-May-12	22	12	\$19.51	Yes	\$35.42	\$15.91
1164	12-May-12	23	1	\$35.95	Yes	\$36.01	\$0.06
1165	12-May-12	23	2	\$30.39	Yes	\$33.52	\$3.13
1166	12-May-12	23	3	\$30.37	Yes	\$33.52	\$3.15

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1167	12-May-12	23	4	\$26.92	Yes	\$33.52	\$6.60
1168	12-May-12	23	5	\$26.30	Yes	\$33.52	\$7.22
1169	12-May-12	23	6	\$26.07	Yes	\$31.11	\$5.04
1170	12-May-12	23	6	\$26.07	Yes	\$33.52	\$7.45
1171	12-May-12	23	7	\$24.58	Yes	\$31.11	\$6.53
1172	12-May-12	23	7	\$24.58	Yes	\$33.52	\$8.94
1173	12-May-12	23	8	\$23.30	Yes	\$31.11	\$7.81
1174	12-May-12	23	8	\$23.30	Yes	\$33.52	\$10.22
1175	12-May-12	23	9	\$20.24	Yes	\$31.11	\$10.87
1176	12-May-12	23	9	\$20.24	Yes	\$33.52	\$13.28
1177	12-May-12	23	10	\$19.40	Yes	\$31.11	\$11.71
1178	12-May-12	23	10	\$19.40	Yes	\$33.52	\$14.12
1179	12-May-12	23	11	\$20.08	Yes	\$31.11	\$11.03
1180	12-May-12	23	11	\$20.08	Yes	\$33.52	\$13.44
1181	12-May-12	23	12	\$30.09	Yes	\$31.11	\$1.02
1182	12-May-12	23	12	\$30.09	Yes	\$33.52	\$3.43
1183	13-May-12	11	2	\$5.18	No	\$31.11	\$25.93
1184	13-May-12	13	5	(\$30.88)	Yes	\$31.11	\$61.99
1185	13-May-12	13	6	(\$30.88)	Yes	\$31.11	\$61.99
1186	13-May-12	13	7	(\$31.23)	Yes	\$31.11	\$62.34
1187	13-May-12	13	8	(\$30.94)	Yes	\$33.52	\$64.46
1188	13-May-12	13	8	(\$30.94)	Yes	\$38.17	\$69.11
1189	13-May-12	13	9	(\$30.94)	Yes	\$33.52	\$64.46
1190	13-May-12	13	9	(\$30.94)	Yes	\$38.17	\$69.11
1191	13-May-12	13	10	(\$30.00)	Yes	\$33.52	\$63.52
1192	13-May-12	13	10	(\$30.00)	Yes	\$38.17	\$68.17
1193	13-May-12	13	11	(\$77.75)	Yes	\$33.52	\$111.27
1194	13-May-12	13	11	(\$77.75)	Yes	\$38.17	\$115.92
1195	13-May-12	13	12	(\$77.75)	Yes	\$33.52	\$111.27
1196	13-May-12	13	12	(\$77.75)	Yes	\$38.17	\$115.92
1197	13-May-12	14	1	(\$30.36)	Yes	\$37.54	\$67.90
1198	13-May-12	14	2	(\$30.52)	Yes	\$37.54	\$68.06
1199	13-May-12	14	3	(\$30.40)	Yes	\$37.54	\$67.94
1200	13-May-12	14	4	(\$31.15)	Yes	\$37.54	\$68.69
1201	13-May-12	14	5	(\$30.50)	Yes	\$37.54	\$68.04
1202	13-May-12	14	6	(\$75.52)	Yes	\$37.54	\$113.06
1203	13-May-12	14	6	(\$75.52)	Yes	\$43.31	\$118.83
1204	13-May-12	14	7	(\$75.70)	Yes	\$37.54	\$113.24
1205	13-May-12	14	7	(\$75.70)	Yes	\$43.31	\$119.01
1206	13-May-12	14	8	(\$30.59)	Yes	\$37.54	\$68.13
1207	13-May-12	14	8	(\$30.59)	Yes	\$43.31	\$73.90
1208	13-May-12	14	9	(\$30.59)	Yes	\$37.54	\$68.13
1209	13-May-12	14	9	(\$30.59)	Yes	\$43.31	\$73.90
1210	13-May-12	14	10	(\$30.43)	Yes	\$37.54	\$67.97
1211	13-May-12	14	10	(\$30.43)	Yes	\$43.31	\$73.74

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1212	13-May-12	14	11	(\$30.56)	Yes	\$37.54	\$68.10
1213	13-May-12	14	11	(\$30.56)	Yes	\$43.31	\$73.87
1214	13-May-12	14	12	(\$30.56)	Yes	\$37.54	\$68.10
1215	13-May-12	14	12	(\$30.56)	Yes	\$43.31	\$73.87
1216	13-May-12	15	1	(\$30.24)	Yes	\$43.31	\$73.55
1217	13-May-12	15	2	(\$30.19)	Yes	\$43.31	\$73.50
1218	13-May-12	15	3	(\$30.22)	Yes	\$43.31	\$73.53
1219	13-May-12	15	4	(\$30.76)	Yes	\$43.31	\$74.07
1220	13-May-12	15	5	(\$30.77)	Yes	\$43.31	\$74.08
1221	13-May-12	15	6	(\$30.76)	Yes	\$43.31	\$74.07
1222	13-May-12	15	7	(\$30.78)	Yes	\$41.24	\$72.02
1223	13-May-12	15	7	(\$30.78)	Yes	\$43.31	\$74.09
1224	13-May-12	15	8	(\$30.27)	Yes	\$41.24	\$71.51
1225	13-May-12	15	8	(\$30.27)	Yes	\$43.31	\$73.58
1226	13-May-12	15	9	(\$30.27)	Yes	\$41.24	\$71.51
1227	13-May-12	15	9	(\$30.27)	Yes	\$43.31	\$73.58
1228	13-May-12	15	10	(\$30.13)	Yes	\$41.24	\$71.37
1229	13-May-12	15	10	(\$30.13)	Yes	\$43.31	\$73.44
1230	13-May-12	15	11	(\$30.71)	Yes	\$41.24	\$71.95
1231	13-May-12	15	11	(\$30.71)	Yes	\$43.31	\$74.02
1232	13-May-12	15	12	(\$72.45)	Yes	\$41.24	\$113.69
1233	13-May-12	15	12	(\$72.45)	Yes	\$43.31	\$115.76
1234	13-May-12	16	1	(\$51.16)	Yes	\$43.31	\$94.47
1235	13-May-12	16	2	(\$29.97)	Yes	\$43.31	\$73.28
1236	13-May-12	16	3	(\$29.94)	Yes	\$43.31	\$73.25
1237	13-May-12	16	4	(\$29.83)	Yes	\$43.31	\$73.14
1238	13-May-12	16	4	(\$29.83)	Yes	\$47.60	\$77.43
1239	13-May-12	16	5	(\$29.90)	Yes	\$43.31	\$73.21
1240	13-May-12	16	5	(\$29.90)	Yes	\$47.60	\$77.50
1241	13-May-12	16	6	(\$29.90)	Yes	\$43.31	\$73.21
1242	13-May-12	16	6	(\$29.90)	Yes	\$47.60	\$77.50
1243	13-May-12	16	7	(\$8.54)	Yes	\$43.31	\$51.85
1244	13-May-12	16	7	(\$8.54)	Yes	\$47.60	\$56.14
1245	13-May-12	16	8	(\$0.15)	Yes	\$43.31	\$43.46
1246	13-May-12	16	8	(\$0.15)	Yes	\$47.60	\$47.75
1247	13-May-12	16	9	\$0.67	Yes	\$43.31	\$42.64
1248	13-May-12	16	9	\$0.67	Yes	\$47.60	\$46.93
1249	13-May-12	16	10	\$2.36	Yes	\$43.31	\$40.95
1250	13-May-12	16	10	\$2.36	Yes	\$47.60	\$45.24
1251	13-May-12	16	11	\$2.24	Yes	\$43.31	\$41.07
1252	13-May-12	16	11	\$2.24	Yes	\$47.60	\$45.36
1253	13-May-12	16	12	\$1.92	Yes	\$43.31	\$41.39
1254	13-May-12	16	12	\$1.92	Yes	\$47.60	\$45.68
1255	13-May-12	17	1	(\$29.88)	Yes	\$43.31	\$73.19
1256	13-May-12	17	2	(\$29.89)	Yes	\$43.31	\$73.20

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1257	13-May-12	17	3	(\$29.89)	Yes	\$43.31	\$73.20
1258	13-May-12	17	4	(\$29.89)	Yes	\$43.31	\$73.20
1259	13-May-12	17	4	(\$29.89)	Yes	\$47.60	\$77.49
1260	13-May-12	17	5	(\$29.88)	Yes	\$43.31	\$73.19
1261	13-May-12	17	5	(\$29.88)	Yes	\$47.60	\$77.48
1262	13-May-12	17	6	(\$29.88)	Yes	\$43.31	\$73.19
1263	13-May-12	17	6	(\$29.88)	Yes	\$47.60	\$77.48
1264	13-May-12	17	7	(\$29.88)	Yes	\$43.31	\$73.19
1265	13-May-12	17	7	(\$29.88)	Yes	\$47.60	\$77.48
1266	13-May-12	17	8	\$2.89	Yes	\$43.31	\$40.42
1267	13-May-12	17	8	\$2.89	Yes	\$47.60	\$44.71
1268	13-May-12	17	9	\$2.99	Yes	\$43.31	\$40.32
1269	13-May-12	17	9	\$2.99	Yes	\$47.60	\$44.61
1270	13-May-12	17	10	(\$29.84)	Yes	\$43.31	\$73.15
1271	13-May-12	17	10	(\$29.84)	Yes	\$47.60	\$77.44
1272	13-May-12	17	11	(\$29.84)	Yes	\$43.31	\$73.15
1273	13-May-12	17	11	(\$29.84)	Yes	\$47.60	\$77.44
1274	13-May-12	17	11	(\$29.84)	Yes	\$56.16	\$86.00
1275	13-May-12	17	12	\$0.95	Yes	\$43.31	\$42.36
1276	13-May-12	17	12	\$0.95	Yes	\$47.60	\$46.65
1277	13-May-12	17	12	\$0.95	Yes	\$56.16	\$55.21
1278	13-May-12	18	1	\$3.87	Yes	\$56.16	\$52.29
1279	13-May-12	18	2	\$6.23	Yes	\$56.16	\$49.93
1280	13-May-12	18	3	\$7.20	Yes	\$56.16	\$48.96
1281	13-May-12	18	4	\$12.28	Yes	\$56.16	\$43.88
1282	13-May-12	18	5	\$10.51	Yes	\$56.16	\$45.65
1283	13-May-12	18	6	\$10.51	Yes	\$56.16	\$45.65
1284	13-May-12	18	7	\$12.26	Yes	\$56.16	\$43.90
1285	13-May-12	18	8	\$12.58	Yes	\$56.16	\$43.58
1286	13-May-12	18	9	\$10.57	Yes	\$56.16	\$45.59
1287	13-May-12	18	10	\$10.58	Yes	\$56.16	\$45.58
1288	13-May-12	18	11	\$12.33	Yes	\$56.16	\$43.83
1289	13-May-12	18	12	\$10.58	Yes	\$56.16	\$45.58
1290	13-May-12	19	1	\$12.65	Yes	\$56.16	\$43.51
1291	13-May-12	19	2	\$12.63	Yes	\$56.16	\$43.53
1292	13-May-12	19	3	\$13.38	Yes	\$56.16	\$42.78
1293	13-May-12	19	4	\$14.84	Yes	\$56.16	\$41.32
1294	13-May-12	19	5	\$44.80	Yes	\$56.16	\$11.36
1295	13-May-12	19	6	\$45.52	Yes	\$56.16	\$10.64
1296	13-May-12	19	7	\$17.37	Yes	\$56.16	\$38.79
1297	13-May-12	19	8	\$24.13	Yes	\$56.16	\$32.03
1298	13-May-12	19	9	\$12.74	Yes	\$56.16	\$43.42
1299	13-May-12	19	10	\$37.55	Yes	\$56.16	\$18.61
1300	13-May-12	19	11	\$5.37	Yes	\$56.16	\$50.79
1301	13-May-12	19	12	\$8.25	Yes	\$56.16	\$47.91

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1302	13-May-12	20	1	\$1.75	Yes	\$56.16	\$54.41
1303	13-May-12	20	2	\$2.45	Yes	\$43.31	\$40.86
1304	13-May-12	20	2	\$2.45	Yes	\$56.16	\$53.71
1305	13-May-12	20	3	\$2.14	Yes	\$43.31	\$41.17
1306	13-May-12	20	3	\$2.14	Yes	\$56.16	\$54.02
1307	13-May-12	20	4	\$7.02	Yes	\$43.31	\$36.29
1308	13-May-12	20	4	\$7.02	Yes	\$56.16	\$49.14
1309	13-May-12	20	5	\$7.02	Yes	\$43.31	\$36.29
1310	13-May-12	20	5	\$7.02	Yes	\$56.16	\$49.14
1311	13-May-12	20	6	\$8.29	Yes	\$43.31	\$35.02
1312	13-May-12	20	6	\$8.29	Yes	\$56.16	\$47.87
1313	13-May-12	20	7	\$2.65	Yes	\$43.31	\$40.66
1314	13-May-12	20	7	\$2.65	Yes	\$56.16	\$53.51
1315	13-May-12	20	8	\$2.57	Yes	\$43.31	\$40.74
1316	13-May-12	20	8	\$2.57	Yes	\$56.16	\$53.59
1317	13-May-12	20	9	\$7.34	Yes	\$43.31	\$35.97
1318	13-May-12	20	9	\$7.34	Yes	\$56.16	\$48.82
1319	13-May-12	20	10	\$2.76	Yes	\$43.31	\$40.55
1320	13-May-12	20	10	\$2.76	Yes	\$56.16	\$53.40
1321	13-May-12	20	11	\$6.49	Yes	\$43.31	\$36.82
1322	13-May-12	20	11	\$6.49	Yes	\$56.16	\$49.67
1323	13-May-12	20	12	\$8.40	Yes	\$43.31	\$34.91
1324	13-May-12	20	12	\$8.40	Yes	\$56.16	\$47.76
1325	13-May-12	21	1	\$2.18	Yes	\$43.31	\$41.13
1326	13-May-12	21	2	\$2.56	Yes	\$43.31	\$40.75
1327	13-May-12	21	3	\$2.55	Yes	\$43.31	\$40.76
1328	13-May-12	21	4	\$14.43	Yes	\$43.31	\$28.88
1329	13-May-12	21	5	\$16.47	Yes	\$43.31	\$26.84
1330	13-May-12	21	6	\$14.86	Yes	\$43.31	\$28.45
1331	13-May-12	21	7	\$16.47	Yes	\$43.31	\$26.84
1332	13-May-12	21	8	\$14.81	Yes	\$43.31	\$28.50
1333	13-May-12	21	9	\$13.41	Yes	\$43.31	\$29.90
1334	13-May-12	21	10	\$10.30	Yes	\$43.31	\$33.01
1335	13-May-12	21	11	\$12.39	Yes	\$41.24	\$28.85
1336	13-May-12	21	11	\$12.39	Yes	\$43.31	\$30.92
1337	13-May-12	21	12	\$14.79	Yes	\$41.24	\$26.45
1338	13-May-12	21	12	\$14.79	Yes	\$43.31	\$28.52
1339	13-May-12	22	1	\$18.88	Yes	\$41.24	\$22.36
1340	13-May-12	22	2	\$20.11	Yes	\$41.24	\$21.13
1341	13-May-12	22	3	\$20.18	Yes	\$41.24	\$21.06
1342	13-May-12	22	4	\$20.21	Yes	\$41.24	\$21.03
1343	13-May-12	22	5	\$19.29	Yes	\$41.24	\$21.95
1344	13-May-12	22	6	\$19.27	Yes	\$35.42	\$16.15
1345	13-May-12	22	6	\$19.27	Yes	\$41.24	\$21.97
1346	13-May-12	22	7	\$19.38	Yes	\$35.42	\$16.04

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1347	13-May-12	22	7	\$19.38	Yes	\$41.24	\$21.86
1348	13-May-12	22	8	\$16.49	Yes	\$35.42	\$18.93
1349	13-May-12	22	8	\$16.49	Yes	\$41.24	\$24.75
1350	13-May-12	22	9	\$14.90	Yes	\$35.42	\$20.52
1351	13-May-12	22	9	\$14.90	Yes	\$41.24	\$26.34
1352	13-May-12	22	10	\$6.91	Yes	\$35.42	\$28.51
1353	13-May-12	22	10	\$6.91	Yes	\$41.24	\$34.33
1354	13-May-12	22	11	\$8.68	Yes	\$35.42	\$26.74
1355	13-May-12	22	11	\$8.68	Yes	\$41.24	\$32.56
1356	13-May-12	22	12	\$2.22	Yes	\$35.42	\$33.20
1357	13-May-12	22	12	\$2.22	Yes	\$41.24	\$39.02
1358	13-May-12	23	1	\$18.24	Yes	\$36.01	\$17.77
1359	13-May-12	23	2	\$31.25	Yes	\$36.01	\$4.76
1360	13-May-12	23	3	\$29.93	Yes	\$33.52	\$3.59
1361	13-May-12	23	3	\$29.93	Yes	\$36.01	\$6.08
1362	13-May-12	23	4	\$21.82	Yes	\$33.52	\$11.70
1363	13-May-12	23	4	\$21.82	Yes	\$36.01	\$14.19
1364	13-May-12	23	5	\$20.43	Yes	\$33.52	\$13.09
1365	13-May-12	23	5	\$20.43	Yes	\$36.01	\$15.58
1366	13-May-12	23	6	\$20.43	Yes	\$33.52	\$13.09
1367	13-May-12	23	6	\$20.43	Yes	\$36.01	\$15.58
1368	13-May-12	23	7	\$20.55	Yes	\$33.52	\$12.97
1369	13-May-12	23	7	\$20.55	Yes	\$36.01	\$15.46
1370	13-May-12	23	8	\$20.51	Yes	\$33.52	\$13.01
1371	13-May-12	23	8	\$20.51	Yes	\$36.01	\$15.50
1372	13-May-12	23	9	\$18.00	Yes	\$33.52	\$15.52
1373	13-May-12	23	9	\$18.00	Yes	\$36.01	\$18.01
1374	13-May-12	23	10	\$0.00	Yes	\$33.52	\$33.52
1375	13-May-12	23	10	\$0.00	Yes	\$36.01	\$36.01
1376	13-May-12	23	11	\$8.00	Yes	\$33.52	\$25.52
1377	13-May-12	23	11	\$8.00	Yes	\$36.01	\$28.01
1378	13-May-12	23	12	\$5.94	Yes	\$31.11	\$25.17
1379	13-May-12	23	12	\$5.94	Yes	\$33.52	\$27.58
1380	13-May-12	23	12	\$5.94	Yes	\$36.01	\$30.07
1381	13-May-12	24	1	\$32.97	Yes	\$31.11	(\$1.86)
1382	13-May-12	24	2	\$40.68	Yes	\$31.11	(\$9.57)
1383	13-May-12	24	3	\$37.03	Yes	\$31.11	(\$5.92)
1384	13-May-12	24	4	\$39.01	Yes	\$31.11	(\$7.90)
1385	13-May-12	24	5	\$35.74	Yes	\$31.11	(\$4.63)
1386	13-May-12	24	6	\$33.08	Yes	\$31.11	(\$1.97)
1387	13-May-12	24	7	\$29.93	Yes	\$31.11	\$1.18
1388	13-May-12	24	8	\$29.33	Yes	\$31.11	\$1.78
1389	13-May-12	24	9	\$29.16	Yes	\$31.11	\$1.95
1390	13-May-12	24	10	\$28.96	Yes	\$31.11	\$2.15
1391	13-May-12	24	11	\$30.26	Yes	\$31.11	\$0.85

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1392	13-May-12	24	12	\$29.02	Yes	\$31.11	\$2.09
1393	14-May-12	18	3	\$21.42	Yes	\$32.97	\$11.55
1394	14-May-12	18	4	\$19.85	Yes	\$32.97	\$13.12
1395	14-May-12	18	5	\$19.93	Yes	\$32.97	\$13.04
1396	14-May-12	18	6	\$19.93	Yes	\$32.97	\$13.04
1397	14-May-12	18	7	\$23.82	Yes	\$32.97	\$9.15
1398	14-May-12	18	8	\$22.17	Yes	\$32.97	\$10.80
1399	14-May-12	18	9	\$22.32	Yes	\$32.97	\$10.65
1400	14-May-12	18	10	\$21.78	Yes	\$32.97	\$11.19
1401	14-May-12	18	11	\$21.21	Yes	\$32.97	\$11.76
1402	14-May-12	18	12	\$20.91	Yes	\$32.97	\$12.06
1403	14-May-12	19	1	\$21.23	Yes	\$32.97	\$11.74
1404	14-May-12	19	2	\$19.88	Yes	\$32.97	\$13.09
1405	14-May-12	19	3	\$19.36	Yes	\$32.97	\$13.61
1406	14-May-12	19	4	\$20.86	Yes	\$32.97	\$12.11
1407	14-May-12	19	5	\$20.38	Yes	\$32.97	\$12.59
1408	14-May-12	19	6	\$20.38	Yes	\$32.97	\$12.59
1409	14-May-12	19	7	\$20.37	Yes	\$32.97	\$12.60
1410	14-May-12	19	8	\$20.34	Yes	\$32.97	\$12.63
1411	14-May-12	19	9	\$20.34	Yes	\$32.97	\$12.63
1412	14-May-12	19	10	\$20.29	Yes	\$32.97	\$12.68
1413	14-May-12	19	11	\$20.29	Yes	\$32.97	\$12.68
1414	14-May-12	19	12	\$19.85	Yes	\$32.97	\$13.12
1415	14-May-12	20	1	\$19.41	Yes	\$32.97	\$13.56
1416	14-May-12	20	2	\$18.84	Yes	\$32.97	\$14.13
1417	14-May-12	20	3	\$17.95	Yes	\$32.97	\$15.02
1418	14-May-12	20	4	\$17.97	Yes	\$32.97	\$15.00
1419	14-May-12	20	5	\$18.82	Yes	\$32.97	\$14.15
1420	14-May-12	20	6	\$19.33	Yes	\$32.97	\$13.64
1421	14-May-12	20	7	\$19.32	Yes	\$32.97	\$13.65
1422	14-May-12	20	7	\$19.32	Yes	\$37.54	\$18.22
1423	14-May-12	20	8	\$19.53	Yes	\$32.97	\$13.44
1424	14-May-12	20	8	\$19.53	Yes	\$37.54	\$18.01
1425	14-May-12	20	9	\$19.53	Yes	\$32.97	\$13.44
1426	14-May-12	20	9	\$19.53	Yes	\$37.54	\$18.01
1427	14-May-12	20	10	\$17.96	Yes	\$32.97	\$15.01
1428	14-May-12	20	10	\$17.96	Yes	\$37.54	\$19.58
1429	14-May-12	20	11	\$19.29	Yes	\$32.97	\$13.68
1430	14-May-12	20	11	\$19.29	Yes	\$37.54	\$18.25
1431	14-May-12	20	12	\$19.31	Yes	\$32.97	\$13.66
1432	14-May-12	20	12	\$19.31	Yes	\$37.54	\$18.23
1433	14-May-12	21	1	\$18.04	Yes	\$37.54	\$19.50
1434	14-May-12	21	2	\$18.89	Yes	\$37.54	\$18.65
1435	14-May-12	21	3	\$19.80	Yes	\$37.54	\$17.74
1436	14-May-12	21	4	\$20.67	Yes	\$37.54	\$16.87

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1437	14-May-12	21	5	\$20.79	Yes	\$37.54	\$16.75
1438	14-May-12	21	6	\$21.18	Yes	\$37.54	\$16.36
1439	14-May-12	21	7	\$20.82	Yes	\$37.54	\$16.72
1440	14-May-12	21	8	\$20.70	Yes	\$37.54	\$16.84
1441	14-May-12	21	9	\$20.78	Yes	\$32.97	\$12.19
1442	14-May-12	21	9	\$20.78	Yes	\$37.54	\$16.76
1443	14-May-12	21	10	\$20.33	Yes	\$32.97	\$12.64
1444	14-May-12	21	10	\$20.33	Yes	\$37.54	\$17.21
1445	14-May-12	21	11	\$20.33	Yes	\$32.97	\$12.64
1446	14-May-12	21	11	\$20.33	Yes	\$37.54	\$17.21
1447	14-May-12	21	12	\$20.33	Yes	\$32.97	\$12.64
1448	14-May-12	21	12	\$20.33	Yes	\$37.54	\$17.21
1449	14-May-12	22	1	\$28.30	Yes	\$32.97	\$4.67
1450	14-May-12	22	2	\$24.51	Yes	\$32.97	\$8.46
1451	14-May-12	22	3	\$21.53	Yes	\$32.97	\$11.44
1452	14-May-12	22	4	\$20.89	Yes	\$32.97	\$12.08
1453	14-May-12	22	5	\$20.48	Yes	\$32.97	\$12.49
1454	14-May-12	22	6	\$19.84	Yes	\$32.97	\$13.13
1455	14-May-12	22	7	\$19.56	Yes	\$32.97	\$13.41
1456	14-May-12	22	8	\$19.67	Yes	\$32.97	\$13.30
1457	14-May-12	22	9	\$16.75	Yes	\$32.97	\$16.22
1458	14-May-12	22	10	\$16.26	Yes	\$32.97	\$16.71
1459	14-May-12	22	11	\$14.51	Yes	\$32.97	\$18.46
1460	14-May-12	22	12	\$5.10	Yes	\$32.97	\$27.87
1461	14-May-12	23	1	\$35.62	Yes	\$33.52	(\$2.10)
1462	14-May-12	23	2	\$26.95	Yes	\$33.52	\$6.57
1463	14-May-12	23	3	\$25.79	Yes	\$33.52	\$7.73
1464	14-May-12	23	4	\$21.60	Yes	\$33.52	\$11.92
1465	14-May-12	23	5	\$21.99	Yes	\$33.52	\$11.53
1466	14-May-12	23	6	\$23.17	Yes	\$33.52	\$10.35
1467	14-May-12	23	7	\$20.69	Yes	\$33.52	\$12.83
1468	14-May-12	23	8	\$19.87	Yes	\$33.52	\$13.65
1469	14-May-12	23	9	\$18.99	Yes	\$33.52	\$14.53
1470	14-May-12	23	10	\$18.71	Yes	\$33.52	\$14.81
1471	14-May-12	23	11	\$17.39	Yes	\$33.52	\$16.13
1472	14-May-12	23	12	(\$31.01)	Yes	\$33.52	\$64.53
1473	14-May-12	24	1	(\$31.01)	Yes	\$31.11	\$62.12
1474	14-May-12	24	2	\$29.69	Yes	\$31.11	\$1.42
1475	14-May-12	24	3	\$32.62	Yes	\$31.11	(\$1.51)
1476	14-May-12	24	4	\$29.32	Yes	\$31.11	\$1.79
1477	14-May-12	24	5	\$26.91	Yes	\$31.11	\$4.20
1478	14-May-12	24	6	\$17.80	Yes	\$31.11	\$13.31
1479	14-May-12	24	7	\$17.84	Yes	\$31.11	\$13.27
1480	14-May-12	24	8	\$17.84	Yes	\$31.11	\$13.27
1481	14-May-12	24	9	\$15.11	Yes	\$31.11	\$16.00

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1482	14-May-12	24	10	(\$4.80)	Yes	\$31.11	\$35.91
1483	14-May-12	24	11	(\$31.09)	Yes	\$31.11	\$62.20
1484	14-May-12	24	12	(\$4.80)	Yes	\$31.11	\$35.91
1485	15-May-12	1	1	\$29.31	Yes	\$31.11	\$1.80
1486	15-May-12	1	2	\$22.01	Yes	\$31.11	\$9.10
1487	15-May-12	1	3	\$20.09	Yes	\$31.11	\$11.02
1488	15-May-12	1	4	\$18.13	Yes	\$31.11	\$12.98
1489	15-May-12	1	5	\$18.60	Yes	\$31.11	\$12.51
1490	15-May-12	1	6	\$10.17	Yes	\$31.11	\$20.94
1491	15-May-12	1	7	\$18.45	Yes	\$31.11	\$12.66
1492	15-May-12	1	8	\$17.97	Yes	\$31.11	\$13.14
1493	15-May-12	1	9	\$18.37	Yes	\$31.11	\$12.74
1494	15-May-12	1	10	(\$31.38)	Yes	\$31.11	\$62.49
1495	15-May-12	1	11	\$18.08	Yes	\$31.11	\$13.03
1496	15-May-12	1	12	\$18.08	Yes	\$31.11	\$13.03
1497	15-May-12	19	10	\$33.37	Yes	\$32.97	(\$0.40)
1498	15-May-12	19	11	\$33.37	Yes	\$32.97	(\$0.40)
1499	15-May-12	19	12	\$30.60	Yes	\$32.97	\$2.37
1500	15-May-12	20	1	\$34.42	Yes	\$32.97	(\$1.45)
1501	15-May-12	20	2	\$30.98	Yes	\$32.97	\$1.99
1502	15-May-12	20	3	\$28.91	Yes	\$32.97	\$4.06
1503	15-May-12	20	4	\$29.67	Yes	\$32.97	\$3.30
1504	15-May-12	20	5	\$29.08	Yes	\$32.97	\$3.89
1505	15-May-12	20	6	\$31.16	Yes	\$32.97	\$1.81
1506	15-May-12	20	7	\$31.18	Yes	\$32.97	\$1.79
1507	15-May-12	20	8	\$30.59	Yes	\$32.97	\$2.38
1508	15-May-12	20	9	\$31.26	Yes	\$32.97	\$1.71
1509	15-May-12	20	10	\$21.31	Yes	\$32.97	\$11.66
1510	15-May-12	20	11	\$21.06	Yes	\$32.97	\$11.91
1511	15-May-12	20	12	\$21.71	Yes	\$32.97	\$11.26
1512	15-May-12	21	1	\$18.93	Yes	\$32.97	\$14.04
1513	15-May-12	21	2	\$19.86	Yes	\$32.97	\$13.11
1514	15-May-12	21	3	\$20.84	Yes	\$32.97	\$12.13
1515	15-May-12	21	4	\$28.72	Yes	\$32.97	\$4.25
1516	15-May-12	21	4	\$28.72	Yes	\$35.42	\$6.70
1517	15-May-12	21	5	\$25.47	Yes	\$32.97	\$7.50
1518	15-May-12	21	5	\$25.47	Yes	\$35.42	\$9.95
1519	15-May-12	21	6	\$28.22	Yes	\$32.97	\$4.75
1520	15-May-12	21	6	\$28.22	Yes	\$35.42	\$7.20
1521	15-May-12	21	7	\$23.47	Yes	\$32.97	\$9.50
1522	15-May-12	21	7	\$23.47	Yes	\$35.42	\$11.95
1523	15-May-12	21	8	\$22.80	Yes	\$32.97	\$10.17
1524	15-May-12	21	8	\$22.80	Yes	\$35.42	\$12.62
1525	15-May-12	21	9	\$21.51	Yes	\$32.97	\$11.46
1526	15-May-12	21	9	\$21.51	Yes	\$35.42	\$13.91

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1527	15-May-12	21	10	\$30.05	Yes	\$32.97	\$2.92
1528	15-May-12	21	10	\$30.05	Yes	\$35.42	\$5.37
1529	15-May-12	21	10	\$30.05	Yes	\$37.54	\$7.49
1530	15-May-12	21	11	\$22.92	Yes	\$32.97	\$10.05
1531	15-May-12	21	11	\$22.92	Yes	\$35.42	\$12.50
1532	15-May-12	21	11	\$22.92	Yes	\$37.54	\$14.62
1533	15-May-12	21	12	\$22.74	Yes	\$32.97	\$10.23
1534	15-May-12	21	12	\$22.74	Yes	\$35.42	\$12.68
1535	15-May-12	21	12	\$22.74	Yes	\$37.54	\$14.80
1536	15-May-12	22	1	\$27.61	Yes	\$38.17	\$10.56
1537	15-May-12	22	2	\$27.61	Yes	\$38.17	\$10.56
1538	15-May-12	22	3	\$19.95	Yes	\$38.17	\$18.22
1539	15-May-12	22	4	\$21.79	Yes	\$38.17	\$16.38
1540	15-May-12	22	5	\$20.87	Yes	\$38.17	\$17.30
1541	15-May-12	22	6	\$20.25	Yes	\$38.17	\$17.92
1542	15-May-12	22	7	\$20.34	Yes	\$38.17	\$17.83
1543	15-May-12	22	8	\$19.94	Yes	\$38.17	\$18.23
1544	15-May-12	22	9	\$17.16	Yes	\$38.17	\$21.01
1545	15-May-12	22	10	\$16.53	Yes	\$38.17	\$21.64
1546	15-May-12	22	11	\$17.74	Yes	\$38.17	\$20.43
1547	15-May-12	22	12	\$31.68	Yes	\$38.17	\$6.49
1548	15-May-12	23	1	\$37.21	Yes	\$38.17	\$0.96
1549	15-May-12	23	2	\$32.81	Yes	\$38.17	\$5.36
1550	15-May-12	23	3	\$37.21	Yes	\$38.17	\$0.96
1551	15-May-12	23	4	\$37.21	Yes	\$38.17	\$0.96
1552	15-May-12	23	5	\$32.90	Yes	\$41.93	\$9.03
1553	15-May-12	23	6	\$20.69	Yes	\$41.93	\$21.24
1554	15-May-12	23	7	\$20.68	Yes	\$41.93	\$21.25
1555	15-May-12	23	8	\$20.57	Yes	\$41.93	\$21.36
1556	15-May-12	23	9	\$20.04	Yes	\$38.17	\$18.13
1557	15-May-12	23	9	\$20.04	Yes	\$41.93	\$21.89
1558	15-May-12	23	10	\$18.79	Yes	\$38.17	\$19.38
1559	15-May-12	23	10	\$18.79	Yes	\$41.93	\$23.14
1560	15-May-12	23	11	\$18.79	Yes	\$38.17	\$19.38
1561	15-May-12	23	11	\$18.79	Yes	\$41.93	\$23.14
1562	15-May-12	23	12	\$5.26	Yes	\$36.01	\$30.75
1563	15-May-12	23	12	\$5.26	Yes	\$38.17	\$32.91
1564	15-May-12	23	12	\$5.26	Yes	\$41.93	\$36.67
1565	15-May-12	24	1	\$5.26	Yes	\$33.52	\$28.26
1566	15-May-12	24	2	\$20.15	Yes	\$33.52	\$13.37
1567	15-May-12	24	3	\$30.36	Yes	\$33.52	\$3.16
1568	15-May-12	24	4	\$28.77	Yes	\$33.52	\$4.75
1569	15-May-12	24	5	\$27.52	Yes	\$33.52	\$6.00
1570	15-May-12	24	6	\$20.87	Yes	\$33.52	\$12.65
1571	16-May-12	19	2	\$59.82	Yes	\$32.97	(\$26.85)

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1572	16-May-12	19	3	\$38.03	Yes	\$32.97	(\$5.06)
1573	16-May-12	19	4	\$32.49	Yes	\$32.97	\$0.48
1574	16-May-12	19	5	\$35.44	Yes	\$32.97	(\$2.47)
1575	16-May-12	19	6	\$32.49	Yes	\$32.97	\$0.48
1576	16-May-12	19	7	\$39.27	Yes	\$32.97	(\$6.30)
1577	16-May-12	19	8	\$38.14	Yes	\$32.97	(\$5.17)
1578	16-May-12	19	9	\$36.54	Yes	\$32.97	(\$3.57)
1579	16-May-12	19	10	\$38.14	Yes	\$32.97	(\$5.17)
1580	16-May-12	19	11	\$37.88	Yes	\$32.97	(\$4.91)
1581	16-May-12	19	12	\$36.37	Yes	\$32.97	(\$3.40)
1582	16-May-12	20	1	\$39.55	Yes	\$32.97	(\$6.58)
1583	16-May-12	20	2	\$40.60	Yes	\$32.97	(\$7.63)
1584	16-May-12	20	3	\$40.91	Yes	\$32.97	(\$7.94)
1585	16-May-12	20	4	\$38.98	Yes	\$32.97	(\$6.01)
1586	16-May-12	20	5	\$36.67	Yes	\$32.97	(\$3.70)
1587	16-May-12	20	6	\$38.04	Yes	\$32.97	(\$5.07)
1588	16-May-12	20	7	\$38.74	Yes	\$32.97	(\$5.77)
1589	16-May-12	20	8	\$36.95	Yes	\$32.97	(\$3.98)
1590	16-May-12	20	9	\$36.53	Yes	\$32.97	(\$3.56)
1591	16-May-12	20	10	\$36.00	Yes	\$32.97	(\$3.03)
1592	16-May-12	20	11	\$35.87	Yes	\$32.97	(\$2.90)
1593	16-May-12	20	12	\$36.38	Yes	\$32.97	(\$3.41)
1594	16-May-12	21	1	\$35.26	Yes	\$32.97	(\$2.29)
1595	16-May-12	21	2	\$31.77	Yes	\$32.97	\$1.20
1596	16-May-12	21	3	\$31.76	Yes	\$37.54	\$5.78
1597	16-May-12	21	4	\$33.55	Yes	\$37.54	\$3.99
1598	16-May-12	21	5	\$35.63	Yes	\$37.54	\$1.91
1599	16-May-12	21	6	\$35.62	Yes	\$37.54	\$1.92
1600	16-May-12	21	7	\$32.89	Yes	\$37.54	\$4.65
1601	16-May-12	21	8	\$32.73	Yes	\$37.54	\$4.81
1602	16-May-12	21	9	\$31.99	Yes	\$37.54	\$5.55
1603	16-May-12	21	10	\$32.66	Yes	\$37.54	\$4.88
1604	16-May-12	21	11	\$22.74	Yes	\$37.54	\$14.80
1605	16-May-12	21	12	\$24.66	Yes	\$37.54	\$12.88
1606	16-May-12	22	1	\$41.02	Yes	\$38.17	(\$2.85)
1607	16-May-12	22	2	\$37.34	Yes	\$38.17	\$0.83
1608	16-May-12	22	3	\$34.84	Yes	\$38.17	\$3.33
1609	16-May-12	22	4	\$37.31	Yes	\$38.17	\$0.86
1610	16-May-12	22	5	\$36.60	Yes	\$38.17	\$1.57
1611	16-May-12	22	6	\$33.59	Yes	\$38.17	\$4.58
1612	16-May-12	22	7	\$32.79	Yes	\$38.17	\$5.38
1613	16-May-12	22	8	\$27.54	Yes	\$38.17	\$10.63
1614	16-May-12	22	9	\$24.77	Yes	\$38.17	\$13.40
1615	16-May-12	22	10	\$22.66	Yes	\$38.17	\$15.51
1616	16-May-12	22	11	\$20.69	Yes	\$38.17	\$17.48

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1617	16-May-12	22	12	\$19.38	Yes	\$38.17	\$18.79
1618	16-May-12	23	1	\$351.50	Yes	\$41.93	(\$309.57)
1619	16-May-12	23	2	\$46.09	Yes	\$41.93	(\$4.16)
1620	16-May-12	23	2	\$46.09	Yes	\$44.03	(\$2.06)
1621	16-May-12	23	3	\$55.32	Yes	\$41.93	(\$13.39)
1622	16-May-12	23	3	\$55.32	Yes	\$44.03	(\$11.29)
1623	16-May-12	23	4	\$28.78	Yes	\$41.93	\$13.15
1624	16-May-12	23	4	\$28.78	Yes	\$44.03	\$15.25
1625	16-May-12	23	5	\$25.12	Yes	\$41.93	\$16.81
1626	16-May-12	23	5	\$25.12	Yes	\$44.03	\$18.91
1627	16-May-12	23	6	\$20.84	Yes	\$41.93	\$21.09
1628	16-May-12	23	6	\$20.84	Yes	\$44.03	\$23.19
1629	16-May-12	23	7	\$20.11	Yes	\$41.93	\$21.82
1630	16-May-12	23	7	\$20.11	Yes	\$44.03	\$23.92
1631	16-May-12	23	8	\$19.96	Yes	\$41.93	\$21.97
1632	16-May-12	23	8	\$19.96	Yes	\$44.03	\$24.07
1633	16-May-12	23	9	\$19.30	Yes	\$41.93	\$22.63
1634	16-May-12	23	9	\$19.30	Yes	\$44.03	\$24.73
1635	16-May-12	23	10	\$19.79	Yes	\$41.93	\$22.14
1636	16-May-12	23	10	\$19.79	Yes	\$44.03	\$24.24
1637	16-May-12	23	11	\$18.69	Yes	\$41.93	\$23.24
1638	16-May-12	23	11	\$18.69	Yes	\$44.03	\$25.34
1639	16-May-12	23	12	\$35.78	Yes	\$41.93	\$6.15
1640	16-May-12	23	12	\$35.78	Yes	\$44.03	\$8.25
1641	16-May-12	24	1	\$35.18	Yes	\$44.03	\$8.85
1642	16-May-12	24	2	\$32.56	Yes	\$44.03	\$11.47
1643	16-May-12	24	3	\$30.57	Yes	\$33.52	\$2.95
1644	16-May-12	24	3	\$30.57	Yes	\$44.03	\$13.46
1645	16-May-12	24	4	\$28.82	Yes	\$33.52	\$4.70
1646	16-May-12	24	4	\$28.82	Yes	\$44.03	\$15.21
1647	16-May-12	24	5	\$28.82	Yes	\$33.52	\$4.70
1648	16-May-12	24	5	\$28.82	Yes	\$44.03	\$15.21
1649	16-May-12	24	6	\$26.10	Yes	\$33.52	\$7.42
1650	16-May-12	24	6	\$26.10	Yes	\$44.03	\$17.93
1651	17-May-12	15	6	\$10.30	Yes	\$43.31	\$33.01
1652	17-May-12	15	7	\$33.19	Yes	\$43.31	\$10.12
1653	17-May-12	15	8	\$28.63	Yes	\$43.31	\$14.68
1654	17-May-12	15	9	\$25.94	Yes	\$43.31	\$17.37
1655	17-May-12	15	10	\$13.03	Yes	\$43.31	\$30.28
1656	17-May-12	15	11	\$10.53	Yes	\$43.31	\$32.78
1657	17-May-12	15	12	\$13.08	Yes	\$43.31	\$30.23
1658	17-May-12	16	1	\$6.30	Yes	\$43.31	\$37.01
1659	17-May-12	16	2	\$6.14	Yes	\$43.31	\$37.17
1660	17-May-12	16	3	\$8.04	Yes	\$43.31	\$35.27
1661	17-May-12	16	4	\$11.29	Yes	\$43.31	\$32.02

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1662	17-May-12	16	5	\$10.42	Yes	\$43.31	\$32.89
1663	17-May-12	16	6	\$10.46	Yes	\$43.31	\$32.85
1664	17-May-12	16	7	\$10.50	Yes	\$43.31	\$32.81
1665	17-May-12	16	8	\$8.04	Yes	\$43.31	\$35.27
1666	17-May-12	16	9	\$30.30	Yes	\$43.31	\$13.01
1667	17-May-12	16	10	\$12.70	Yes	\$43.31	\$30.61
1668	17-May-12	16	11	\$12.65	Yes	\$43.31	\$30.66
1669	17-May-12	16	12	\$14.62	Yes	\$43.31	\$28.69
1670	17-May-12	17	1	\$12.74	Yes	\$43.31	\$30.57
1671	17-May-12	17	2	\$12.71	Yes	\$43.31	\$30.60
1672	17-May-12	17	3	\$12.55	Yes	\$43.31	\$30.76
1673	17-May-12	17	4	\$13.48	Yes	\$43.31	\$29.83
1674	17-May-12	17	5	\$12.63	Yes	\$43.31	\$30.68
1675	17-May-12	17	6	\$12.57	Yes	\$43.31	\$30.74
1676	17-May-12	17	7	\$13.44	Yes	\$43.31	\$29.87
1677	17-May-12	17	8	\$12.61	Yes	\$43.31	\$30.70
1678	17-May-12	17	9	\$11.58	Yes	\$43.31	\$31.73
1679	17-May-12	17	10	\$10.68	Yes	\$43.31	\$32.63
1680	17-May-12	17	11	\$10.14	Yes	\$43.31	\$33.17
1681	17-May-12	17	12	\$9.74	Yes	\$43.31	\$33.57
1682	17-May-12	18	1	\$14.70	Yes	\$43.31	\$28.61
1683	17-May-12	18	2	\$14.51	Yes	\$43.31	\$28.80
1684	17-May-12	18	3	\$14.93	Yes	\$43.31	\$28.38
1685	17-May-12	18	4	\$17.50	Yes	\$43.31	\$25.81
1686	17-May-12	18	5	\$16.61	Yes	\$43.31	\$26.70
1687	17-May-12	18	6	\$17.65	Yes	\$43.31	\$25.66
1688	17-May-12	18	7	\$18.00	Yes	\$43.31	\$25.31
1689	17-May-12	18	8	\$15.08	Yes	\$43.31	\$28.23
1690	17-May-12	18	9	\$14.77	Yes	\$43.31	\$28.54
1691	17-May-12	18	10	\$15.54	Yes	\$43.31	\$27.77
1692	17-May-12	18	11	\$15.70	Yes	\$43.31	\$27.61
1693	17-May-12	18	12	\$14.60	Yes	\$43.31	\$28.71
1694	17-May-12	19	1	\$15.72	Yes	\$43.31	\$27.59
1695	17-May-12	19	2	\$14.78	Yes	\$43.31	\$28.53
1696	17-May-12	19	3	\$14.80	Yes	\$43.31	\$28.51
1697	17-May-12	19	4	\$15.72	Yes	\$43.31	\$27.59
1698	17-May-12	19	5	\$15.59	Yes	\$43.31	\$27.72
1699	17-May-12	19	6	\$19.34	Yes	\$43.31	\$23.97
1700	17-May-12	19	7	\$19.31	Yes	\$43.31	\$24.00
1701	17-May-12	19	8	\$15.80	Yes	\$43.31	\$27.51
1702	17-May-12	19	9	\$15.66	Yes	\$43.31	\$27.65
1703	17-May-12	19	10	\$30.86	Yes	\$43.31	\$12.45
1704	17-May-12	19	11	\$21.17	Yes	\$43.31	\$22.14
1705	17-May-12	19	12	\$14.97	Yes	\$43.31	\$28.34
1706	17-May-12	20	1	\$15.00	Yes	\$43.31	\$28.31

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1707	17-May-12	20	2	\$14.77	Yes	\$43.31	\$28.54
1708	17-May-12	20	3	\$14.77	Yes	\$43.31	\$28.54
1709	17-May-12	20	4	\$18.36	Yes	\$43.31	\$24.95
1710	17-May-12	20	5	\$17.07	Yes	\$43.31	\$26.24
1711	17-May-12	20	6	\$15.81	Yes	\$43.31	\$27.50
1712	17-May-12	20	7	\$15.79	Yes	\$43.31	\$27.52
1713	17-May-12	20	8	\$31.06	Yes	\$43.31	\$12.25
1714	17-May-12	20	9	\$16.50	Yes	\$43.31	\$26.81
1715	17-May-12	20	10	\$1.57	Yes	\$43.31	\$41.74
1716	17-May-12	20	11	\$1.63	Yes	\$43.31	\$41.68
1717	17-May-12	20	12	\$18.93	Yes	\$43.31	\$24.38
1718	17-May-12	21	1	\$33.41	Yes	\$43.31	\$9.90
1719	17-May-12	21	2	\$32.39	Yes	\$43.31	\$10.92
1720	17-May-12	21	3	\$18.66	Yes	\$43.31	\$24.65
1721	17-May-12	21	4	\$18.64	Yes	\$43.31	\$24.67
1722	17-May-12	21	5	\$18.77	Yes	\$43.31	\$24.54
1723	17-May-12	21	6	\$18.77	Yes	\$43.31	\$24.54
1724	17-May-12	21	7	\$20.15	Yes	\$43.31	\$23.16
1725	17-May-12	21	8	\$24.56	Yes	\$43.31	\$18.75
1726	17-May-12	21	9	\$20.69	Yes	\$43.31	\$22.62
1727	17-May-12	21	10	\$21.28	Yes	\$43.31	\$22.03
1728	17-May-12	21	11	\$19.44	Yes	\$43.31	\$23.87
1729	17-May-12	21	12	\$14.53	Yes	\$43.31	\$28.78
1730	17-May-12	22	1	\$30.86	Yes	\$43.31	\$12.45
1731	17-May-12	22	2	\$30.68	Yes	\$43.31	\$12.63
1732	17-May-12	22	3	\$30.15	Yes	\$43.31	\$13.16
1733	17-May-12	22	4	\$29.58	Yes	\$43.31	\$13.73
1734	17-May-12	22	5	\$21.34	Yes	\$43.31	\$21.97
1735	17-May-12	22	6	\$21.26	Yes	\$43.31	\$22.05
1736	17-May-12	22	7	\$23.92	Yes	\$43.31	\$19.39
1737	17-May-12	22	8	\$20.56	Yes	\$43.31	\$22.75
1738	17-May-12	22	9	\$20.56	Yes	\$43.31	\$22.75
1739	17-May-12	22	10	\$19.07	Yes	\$43.31	\$24.24
1740	17-May-12	22	11	\$19.07	Yes	\$43.31	\$24.24
1741	17-May-12	22	12	\$16.27	Yes	\$43.31	\$27.04
1742	17-May-12	23	1	\$32.95	Yes	\$44.03	\$11.08
1743	17-May-12	23	2	\$27.31	Yes	\$44.03	\$16.72
1744	17-May-12	23	3	\$25.54	Yes	\$44.03	\$18.49
1745	17-May-12	23	4	\$19.56	Yes	\$44.03	\$24.47
1746	17-May-12	23	5	\$20.68	Yes	\$44.03	\$23.35
1747	17-May-12	23	6	\$20.84	Yes	\$44.03	\$23.19
1748	17-May-12	23	7	\$18.73	Yes	\$44.03	\$25.30
1749	17-May-12	23	8	\$19.33	Yes	\$44.03	\$24.70
1750	17-May-12	23	9	\$20.15	Yes	\$38.17	\$18.02
1751	17-May-12	23	9	\$20.15	Yes	\$44.03	\$23.88

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1752	17-May-12	23	10	\$19.35	Yes	\$38.17	\$18.82
1753	17-May-12	23	10	\$19.35	Yes	\$44.03	\$24.68
1754	17-May-12	23	11	\$19.22	Yes	\$38.17	\$18.95
1755	17-May-12	23	11	\$19.22	Yes	\$44.03	\$24.81
1756	17-May-12	23	12	\$17.70	Yes	\$38.17	\$20.47
1757	17-May-12	23	12	\$17.70	Yes	\$44.03	\$26.33
1758	17-May-12	24	1	\$22.29	Yes	\$38.17	\$15.88
1759	17-May-12	24	2	\$21.21	Yes	\$38.17	\$16.96
1760	17-May-12	24	3	\$21.21	Yes	\$33.52	\$12.31
1761	17-May-12	24	3	\$21.21	Yes	\$38.17	\$16.96
1762	17-May-12	24	4	\$20.71	Yes	\$33.52	\$12.81
1763	17-May-12	24	4	\$20.71	Yes	\$38.17	\$17.46
1764	17-May-12	24	5	\$20.71	Yes	\$33.52	\$12.81
1765	17-May-12	24	5	\$20.71	Yes	\$38.17	\$17.46
1766	17-May-12	24	6	\$20.71	Yes	\$31.11	\$10.40
1767	17-May-12	24	6	\$20.71	Yes	\$33.52	\$12.81
1768	17-May-12	24	6	\$20.71	Yes	\$38.17	\$17.46
1769	17-May-12	24	7	\$16.63	Yes	\$31.11	\$14.48
1770	17-May-12	24	7	\$16.63	Yes	\$33.52	\$16.89
1771	17-May-12	24	7	\$16.63	Yes	\$38.17	\$21.54
1772	17-May-12	24	8	\$13.90	Yes	\$31.11	\$17.21
1773	17-May-12	24	8	\$13.90	Yes	\$33.52	\$19.62
1774	17-May-12	24	8	\$13.90	Yes	\$38.17	\$24.27
1775	17-May-12	24	9	\$0.01	Yes	\$31.11	\$31.10
1776	17-May-12	24	9	\$0.01	Yes	\$33.52	\$33.51
1777	17-May-12	24	9	\$0.01	Yes	\$38.17	\$38.16
1778	17-May-12	24	10	\$0.01	Yes	\$31.11	\$31.10
1779	17-May-12	24	10	\$0.01	Yes	\$33.52	\$33.51
1780	17-May-12	24	10	\$0.01	Yes	\$38.17	\$38.16
1781	17-May-12	24	11	\$0.01	Yes	\$31.11	\$31.10
1782	17-May-12	24	11	\$0.01	Yes	\$33.52	\$33.51
1783	17-May-12	24	11	\$0.01	Yes	\$38.17	\$38.16
1784	17-May-12	24	12	\$3.91	Yes	\$31.11	\$27.20
1785	17-May-12	24	12	\$3.91	Yes	\$33.52	\$29.61
1786	17-May-12	24	12	\$3.91	Yes	\$38.17	\$34.26
1787	19-May-12	15	6	\$29.68	Yes	\$22.95	(\$6.73)
1788	19-May-12	15	7	\$29.57	Yes	\$22.95	(\$6.62)
1789	19-May-12	15	8	\$29.87	Yes	\$22.95	(\$6.92)
1790	19-May-12	15	9	\$32.54	Yes	\$22.95	(\$9.59)
1791	19-May-12	15	10	\$27.09	Yes	\$22.95	(\$4.14)
1792	19-May-12	15	11	\$29.23	Yes	\$22.95	(\$6.28)
1793	19-May-12	15	12	\$28.60	Yes	\$22.95	(\$5.65)
1794	19-May-12	16	1	\$23.43	Yes	\$22.95	(\$0.48)
1795	19-May-12	16	2	\$27.43	Yes	\$22.95	(\$4.48)
1796	19-May-12	16	3	\$29.43	Yes	\$22.95	(\$6.48)

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1797	19-May-12	16	4	\$29.47	Yes	\$22.95	(\$6.52)
1798	19-May-12	16	5	\$28.99	Yes	\$22.95	(\$6.04)
1799	19-May-12	16	6	\$31.97	Yes	\$22.95	(\$9.02)
1800	19-May-12	16	7	\$29.59	Yes	\$22.95	(\$6.64)
1801	19-May-12	16	8	\$33.24	Yes	\$22.95	(\$10.29)
1802	19-May-12	16	9	\$32.10	Yes	\$22.95	(\$9.15)
1803	19-May-12	16	10	\$29.48	Yes	\$22.95	(\$6.53)
1804	19-May-12	16	11	\$29.48	Yes	\$22.95	(\$6.53)
1805	19-May-12	16	12	\$36.83	Yes	\$22.95	(\$13.88)
1806	19-May-12	17	1	\$42.75	Yes	\$30.60	(\$12.15)
1807	19-May-12	17	2	\$31.93	Yes	\$30.60	(\$1.33)
1808	19-May-12	17	3	\$31.93	Yes	\$30.60	(\$1.33)
1809	19-May-12	17	4	\$29.79	Yes	\$30.60	\$0.81
1810	19-May-12	17	5	\$29.82	Yes	\$30.60	\$0.78
1811	19-May-12	17	6	\$26.74	Yes	\$30.60	\$3.86
1812	19-May-12	17	7	\$27.87	Yes	\$30.60	\$2.73
1813	19-May-12	17	8	\$23.26	Yes	\$30.60	\$7.34
1814	19-May-12	17	9	\$23.64	Yes	\$30.60	\$6.96
1815	19-May-12	17	10	\$27.97	Yes	\$30.60	\$2.63
1816	19-May-12	17	11	\$27.97	Yes	\$30.60	\$2.63
1817	19-May-12	17	12	\$25.63	Yes	\$30.60	\$4.97
1818	21-May-12	20	7	\$33.97	Yes	\$32.97	(\$1.00)
1819	21-May-12	20	8	\$34.24	Yes	\$32.97	(\$1.27)
1820	21-May-12	20	9	\$33.70	Yes	\$32.97	(\$0.73)
1821	21-May-12	20	10	\$31.75	Yes	\$32.97	\$1.22
1822	21-May-12	20	11	\$31.82	Yes	\$32.97	\$1.15
1823	21-May-12	20	12	\$32.01	Yes	\$32.97	\$0.96
1824	21-May-12	21	1	\$23.91	Yes	\$32.97	\$9.06
1825	21-May-12	21	2	\$23.88	Yes	\$32.97	\$9.09
1826	21-May-12	21	3	\$23.31	Yes	\$32.97	\$9.66
1827	21-May-12	21	4	\$30.52	Yes	\$32.97	\$2.45
1828	21-May-12	21	5	\$31.46	Yes	\$32.97	\$1.51
1829	21-May-12	21	6	\$31.75	Yes	\$32.97	\$1.22
1830	21-May-12	21	7	\$31.73	Yes	\$32.97	\$1.24
1831	21-May-12	21	8	\$65.19	Yes	\$32.97	(\$32.22)
1832	21-May-12	21	9	\$65.19	Yes	\$32.97	(\$32.22)
1833	21-May-12	21	10	\$35.59	Yes	\$32.97	(\$2.62)
1834	21-May-12	21	11	\$35.59	Yes	\$32.97	(\$2.62)
1835	21-May-12	21	12	\$31.70	Yes	\$32.97	\$1.27
1836	21-May-12	22	1	\$38.32	Yes	\$33.52	(\$4.80)
1837	21-May-12	22	2	\$33.66	Yes	\$31.11	(\$2.55)
1838	21-May-12	22	3	\$31.60	Yes	\$31.11	(\$0.49)
1839	21-May-12	22	4	\$31.96	Yes	\$31.11	(\$0.85)
1840	21-May-12	22	5	\$31.65	Yes	\$31.11	(\$0.54)
1841	21-May-12	22	6	\$23.88	Yes	\$31.11	\$7.23

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1842	21-May-12	22	7	\$20.81	Yes	\$31.11	\$10.30
1843	21-May-12	22	8	\$22.84	Yes	\$31.11	\$8.27
1844	21-May-12	22	9	\$20.82	Yes	\$31.11	\$10.29
1845	21-May-12	22	10	\$20.07	Yes	\$31.11	\$11.04
1846	21-May-12	22	11	\$18.41	Yes	\$31.11	\$12.70
1847	21-May-12	22	12	\$10.45	Yes	\$31.11	\$20.66
1848	21-May-12	23	1	\$32.18	Yes	\$31.11	(\$1.07)
1849	21-May-12	23	2	\$30.77	Yes	\$31.11	\$0.34
1850	21-May-12	23	3	\$31.27	Yes	\$31.11	(\$0.16)
1851	21-May-12	23	4	\$30.10	Yes	\$31.11	\$1.01
1852	21-May-12	23	5	\$30.43	Yes	\$31.11	\$0.68
1853	21-May-12	23	6	\$31.18	Yes	\$31.11	(\$0.07)
1854	21-May-12	23	7	\$30.10	Yes	\$31.11	\$1.01
1855	21-May-12	23	8	\$29.25	Yes	\$31.11	\$1.86
1856	21-May-12	23	9	\$26.98	Yes	\$31.11	\$4.13
1857	21-May-12	23	10	\$20.80	Yes	\$31.11	\$10.31
1858	21-May-12	23	11	\$20.79	Yes	\$31.11	\$10.32
1859	21-May-12	23	12	\$8.23	Yes	\$31.11	\$22.88
1860	22-May-12	9	12	\$37.21	No	\$33.66	(\$3.55)
1861	22-May-12	10	1	\$22.30	No	\$33.66	\$11.36
1862	22-May-12	10	2	\$22.30	No	\$33.66	\$11.36
1863	22-May-12	10	3	\$22.30	No	\$33.66	\$11.36
1864	22-May-12	10	4	\$21.12	No	\$33.66	\$12.54
1865	22-May-12	10	5	\$21.62	No	\$33.66	\$12.04
1866	22-May-12	10	6	\$21.69	No	\$33.66	\$11.97
1867	22-May-12	10	7	\$21.65	No	\$33.66	\$12.01
1868	22-May-12	10	8	\$21.81	No	\$33.66	\$11.85
1869	22-May-12	10	9	\$21.69	No	\$33.66	\$11.97
1870	22-May-12	10	10	\$21.83	No	\$33.66	\$11.83
1871	22-May-12	10	11	\$21.83	No	\$33.66	\$11.83
1872	22-May-12	20	8	\$26.87	Yes	\$36.27	\$9.40
1873	22-May-12	20	9	\$41.18	Yes	\$36.27	(\$4.91)
1874	22-May-12	20	10	\$38.09	Yes	\$36.27	(\$1.82)
1875	22-May-12	20	11	\$40.47	Yes	\$36.27	(\$4.20)
1876	22-May-12	20	12	\$29.84	Yes	\$36.27	\$6.43
1877	22-May-12	21	1	\$16.15	Yes	\$36.27	\$20.12
1878	22-May-12	21	2	\$18.43	Yes	\$36.27	\$17.84
1879	22-May-12	21	3	\$17.72	Yes	\$36.27	\$18.55
1880	22-May-12	21	4	\$19.73	Yes	\$36.27	\$16.54
1881	22-May-12	21	5	\$20.06	Yes	\$36.27	\$16.21
1882	22-May-12	21	6	\$19.88	Yes	\$36.27	\$16.39
1883	22-May-12	21	7	\$19.97	Yes	\$36.27	\$16.30
1884	22-May-12	21	8	\$19.99	Yes	\$36.27	\$16.28
1885	22-May-12	21	9	\$19.88	Yes	\$36.27	\$16.39
1886	22-May-12	21	10	\$21.03	Yes	\$36.27	\$15.24

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1887	22-May-12	21	11	\$21.03	Yes	\$36.27	\$15.24
1888	22-May-12	21	12	\$19.73	Yes	\$36.27	\$16.54
1889	22-May-12	22	1	\$31.12	Yes	\$36.27	\$5.15
1890	22-May-12	22	2	\$31.12	Yes	\$36.27	\$5.15
1891	22-May-12	22	3	\$29.06	Yes	\$36.27	\$7.21
1892	22-May-12	22	4	\$28.77	Yes	\$36.27	\$7.50
1893	22-May-12	22	5	\$25.05	Yes	\$36.27	\$11.22
1894	22-May-12	22	6	\$21.47	Yes	\$36.27	\$14.80
1895	22-May-12	22	7	\$21.40	Yes	\$36.27	\$14.87
1896	22-May-12	22	8	\$21.40	Yes	\$36.27	\$14.87
1897	22-May-12	22	9	\$22.14	Yes	\$33.66	\$11.52
1898	22-May-12	22	9	\$22.14	Yes	\$36.27	\$14.13
1899	22-May-12	22	10	\$20.73	Yes	\$33.66	\$12.93
1900	22-May-12	22	10	\$20.73	Yes	\$36.27	\$15.54
1901	22-May-12	22	11	\$19.00	Yes	\$33.66	\$14.66
1902	22-May-12	22	11	\$19.00	Yes	\$36.27	\$17.27
1903	22-May-12	22	12	\$20.52	Yes	\$33.66	\$13.14
1904	22-May-12	22	12	\$20.52	Yes	\$36.27	\$15.75
1905	22-May-12	23	1	\$20.52	Yes	\$33.66	\$13.14
1906	22-May-12	23	2	\$20.52	Yes	\$33.66	\$13.14
1907	22-May-12	23	3	\$20.52	Yes	\$33.66	\$13.14
1908	22-May-12	23	4	\$20.52	Yes	\$33.66	\$13.14
1909	22-May-12	23	5	\$20.52	Yes	\$36.27	\$15.75
1910	22-May-12	23	6	\$20.52	Yes	\$36.27	\$15.75
1911	22-May-12	23	7	\$20.52	Yes	\$36.27	\$15.75
1912	22-May-12	23	8	\$20.52	Yes	\$36.27	\$15.75
1913	22-May-12	23	9	\$20.52	Yes	\$36.27	\$15.75
1914	22-May-12	23	10	\$20.52	Yes	\$36.27	\$15.75
1915	22-May-12	23	11	\$20.52	Yes	\$36.27	\$15.75
1916	22-May-12	23	12	\$20.52	Yes	\$36.27	\$15.75
1917	22-May-12	24	1	\$20.52	Yes	\$36.27	\$15.75
1918	22-May-12	24	2	\$16.58	Yes	\$36.27	\$19.69
1919	22-May-12	24	3	\$30.46	Yes	\$36.27	\$5.81
1920	22-May-12	24	4	\$29.09	Yes	\$36.27	\$7.18
1921	22-May-12	24	5	\$30.39	Yes	\$36.27	\$5.88
1922	22-May-12	24	6	\$30.15	Yes	\$36.27	\$6.12
1923	23-May-12	19	4	\$23.35	Yes	\$33.66	\$10.31
1924	23-May-12	19	5	\$22.30	Yes	\$33.66	\$11.36
1925	23-May-12	19	6	\$21.09	Yes	\$33.66	\$12.57
1926	23-May-12	19	7	\$21.09	Yes	\$33.66	\$12.57
1927	23-May-12	19	8	\$20.07	Yes	\$33.66	\$13.59
1928	23-May-12	19	9	\$20.07	Yes	\$33.66	\$13.59
1929	23-May-12	19	10	\$21.01	Yes	\$33.66	\$12.65
1930	23-May-12	19	11	\$21.01	Yes	\$33.66	\$12.65
1931	23-May-12	19	12	\$20.93	Yes	\$33.66	\$12.73

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1932	23-May-12	20	1	\$21.03	Yes	\$33.66	\$12.63
1933	23-May-12	20	2	\$20.95	Yes	\$33.66	\$12.71
1934	23-May-12	20	3	\$20.95	Yes	\$33.66	\$12.71
1935	23-May-12	20	4	\$19.76	Yes	\$33.66	\$13.90
1936	23-May-12	20	5	\$19.76	Yes	\$33.66	\$13.90
1937	23-May-12	20	6	\$19.76	Yes	\$33.66	\$13.90
1938	23-May-12	20	6	\$19.76	Yes	\$36.27	\$16.51
1939	23-May-12	20	7	\$19.37	Yes	\$33.66	\$14.29
1940	23-May-12	20	7	\$19.37	Yes	\$36.27	\$16.90
1941	23-May-12	20	8	\$15.92	Yes	\$33.66	\$17.74
1942	23-May-12	20	8	\$15.92	Yes	\$36.27	\$20.35
1943	23-May-12	20	9	\$18.33	Yes	\$33.66	\$15.33
1944	23-May-12	20	9	\$18.33	Yes	\$36.27	\$17.94
1945	23-May-12	20	10	\$18.41	Yes	\$33.66	\$15.25
1946	23-May-12	20	10	\$18.41	Yes	\$36.27	\$17.86
1947	23-May-12	20	11	\$17.92	Yes	\$33.66	\$15.74
1948	23-May-12	20	11	\$17.92	Yes	\$36.27	\$18.35
1949	23-May-12	20	12	\$17.84	Yes	\$33.66	\$15.82
1950	23-May-12	20	12	\$17.84	Yes	\$36.27	\$18.43
1951	23-May-12	21	1	\$18.40	Yes	\$36.27	\$17.87
1952	23-May-12	21	2	\$19.46	Yes	\$36.27	\$16.81
1953	23-May-12	21	3	\$19.46	Yes	\$36.27	\$16.81
1954	23-May-12	21	4	\$20.96	Yes	\$36.27	\$15.31
1955	23-May-12	21	5	\$20.97	Yes	\$36.27	\$15.30
1956	23-May-12	21	6	\$20.97	Yes	\$36.27	\$15.30
1957	23-May-12	21	7	\$21.08	Yes	\$36.27	\$15.19
1958	23-May-12	21	8	\$21.77	Yes	\$36.27	\$14.50
1959	23-May-12	21	9	\$21.27	Yes	\$36.27	\$15.00
1960	23-May-12	21	10	\$21.29	Yes	\$36.27	\$14.98
1961	23-May-12	21	11	\$21.28	Yes	\$36.27	\$14.99
1962	23-May-12	21	12	\$21.00	Yes	\$36.27	\$15.27
1963	23-May-12	22	1	\$33.61	Yes	\$36.27	\$2.66
1964	23-May-12	22	2	\$32.61	Yes	\$36.27	\$3.66
1965	23-May-12	22	3	\$32.19	Yes	\$36.27	\$4.08
1966	23-May-12	22	4	\$32.58	Yes	\$36.27	\$3.69
1967	23-May-12	22	5	\$29.06	Yes	\$36.27	\$7.21
1968	23-May-12	22	6	\$27.77	Yes	\$36.27	\$8.50
1969	23-May-12	22	7	\$22.84	Yes	\$36.27	\$13.43
1970	23-May-12	22	8	\$21.40	Yes	\$36.27	\$14.87
1971	23-May-12	22	9	\$20.98	Yes	\$36.27	\$15.29
1972	23-May-12	22	10	\$21.30	Yes	\$36.27	\$14.97
1973	23-May-12	22	11	\$19.69	Yes	\$36.27	\$16.58
1974	23-May-12	22	12	\$9.17	Yes	\$36.27	\$27.10
1975	23-May-12	23	1	\$32.25	Yes	\$36.27	\$4.02
1976	23-May-12	23	2	\$32.25	Yes	\$36.27	\$4.02

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1977	23-May-12	23	3	\$32.61	Yes	\$36.27	\$3.66
1978	23-May-12	23	4	\$29.01	Yes	\$33.66	\$4.65
1979	23-May-12	23	4	\$29.01	Yes	\$36.27	\$7.26
1980	23-May-12	23	5	\$25.84	Yes	\$33.66	\$7.82
1981	23-May-12	23	5	\$25.84	Yes	\$36.27	\$10.43
1982	23-May-12	23	6	\$24.43	Yes	\$33.66	\$9.23
1983	23-May-12	23	6	\$24.43	Yes	\$36.27	\$11.84
1984	23-May-12	23	7	\$22.40	Yes	\$33.66	\$11.26
1985	23-May-12	23	7	\$22.40	Yes	\$36.27	\$13.87
1986	23-May-12	23	8	\$23.03	Yes	\$33.66	\$10.63
1987	23-May-12	23	8	\$23.03	Yes	\$36.27	\$13.24
1988	23-May-12	23	9	\$21.47	Yes	\$33.66	\$12.19
1989	23-May-12	23	9	\$21.47	Yes	\$36.27	\$14.80
1990	23-May-12	23	10	\$21.31	Yes	\$33.66	\$12.35
1991	23-May-12	23	10	\$21.31	Yes	\$36.27	\$14.96
1992	23-May-12	23	11	\$21.30	Yes	\$33.66	\$12.36
1993	23-May-12	23	11	\$21.30	Yes	\$36.27	\$14.97
1994	23-May-12	23	12	\$6.28	Yes	\$33.66	\$27.38
1995	23-May-12	23	12	\$6.28	Yes	\$36.27	\$29.99
1996	24-May-12	17	7	\$19.79	Yes	\$35.72	\$15.93
1997	24-May-12	17	8	\$19.84	Yes	\$35.72	\$15.88
1998	24-May-12	17	9	\$19.84	Yes	\$35.72	\$15.88
1999	24-May-12	17	10	\$19.84	Yes	\$35.72	\$15.88
2000	24-May-12	17	11	\$19.84	Yes	\$35.72	\$15.88
2001	24-May-12	17	12	\$19.84	Yes	\$35.72	\$15.88
2002	24-May-12	18	1	\$19.84	Yes	\$35.72	\$15.88
2003	24-May-12	18	2	\$19.84	Yes	\$35.72	\$15.88
2004	24-May-12	18	3	\$19.84	Yes	\$35.72	\$15.88
2005	24-May-12	18	4	\$19.84	Yes	\$35.72	\$15.88
2006	24-May-12	18	5	\$19.84	Yes	\$35.72	\$15.88
2007	24-May-12	18	6	\$9.82	Yes	\$35.72	\$25.90
2008	24-May-12	18	7	\$18.28	Yes	\$35.72	\$17.44
2009	24-May-12	18	8	\$19.26	Yes	\$35.72	\$16.46
2010	24-May-12	18	9	\$18.28	Yes	\$35.72	\$17.44
2011	24-May-12	18	9	\$18.28	Yes	\$40.67	\$22.39
2012	24-May-12	18	10	\$19.38	Yes	\$35.72	\$16.34
2013	24-May-12	18	10	\$19.38	Yes	\$40.67	\$21.29
2014	24-May-12	18	11	\$19.40	Yes	\$35.72	\$16.32
2015	24-May-12	18	11	\$19.40	Yes	\$40.67	\$21.27
2016	24-May-12	18	12	\$19.40	Yes	\$35.72	\$16.32
2017	24-May-12	18	12	\$19.40	Yes	\$40.67	\$21.27
2018	24-May-12	19	1	\$9.17	Yes	\$41.30	\$32.13
2019	24-May-12	19	2	\$9.17	Yes	\$41.30	\$32.13
2020	24-May-12	19	3	\$10.26	Yes	\$41.30	\$31.04
2021	24-May-12	19	4	\$10.35	Yes	\$41.30	\$30.95

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2022	24-May-12	19	5	\$10.68	Yes	\$41.30	\$30.62
2023	24-May-12	19	6	\$19.00	Yes	\$41.30	\$22.30
2024	24-May-12	19	7	\$18.16	Yes	\$41.30	\$23.14
2025	24-May-12	19	8	\$18.26	Yes	\$41.30	\$23.04
2026	24-May-12	19	9	\$17.69	Yes	\$41.30	\$23.61
2027	24-May-12	19	10	\$6.98	Yes	\$36.27	\$29.29
2028	24-May-12	19	10	\$6.98	Yes	\$41.30	\$34.32
2029	24-May-12	19	11	\$9.17	Yes	\$36.27	\$27.10
2030	24-May-12	19	11	\$9.17	Yes	\$41.30	\$32.13
2031	24-May-12	19	12	\$14.95	Yes	\$36.27	\$21.32
2032	24-May-12	19	12	\$14.95	Yes	\$41.30	\$26.35
2033	24-May-12	20	1	\$19.35	Yes	\$36.27	\$16.92
2034	24-May-12	20	2	\$19.68	Yes	\$36.27	\$16.59
2035	24-May-12	20	3	\$19.52	Yes	\$36.27	\$16.75
2036	24-May-12	20	4	\$19.73	Yes	\$36.27	\$16.54
2037	24-May-12	20	5	\$19.73	Yes	\$36.27	\$16.54
2038	24-May-12	20	6	\$19.75	Yes	\$36.27	\$16.52
2039	24-May-12	20	6	\$19.75	Yes	\$38.96	\$19.21
2040	24-May-12	20	7	\$20.22	Yes	\$36.27	\$16.05
2041	24-May-12	20	7	\$20.22	Yes	\$38.96	\$18.74
2042	24-May-12	20	8	\$20.85	Yes	\$36.27	\$15.42
2043	24-May-12	20	8	\$20.85	Yes	\$38.96	\$18.11
2044	24-May-12	20	9	\$20.85	Yes	\$36.27	\$15.42
2045	24-May-12	20	9	\$20.85	Yes	\$38.96	\$18.11
2046	24-May-12	20	10	\$20.77	Yes	\$36.27	\$15.50
2047	24-May-12	20	10	\$20.77	Yes	\$38.96	\$18.19
2048	24-May-12	20	11	\$20.77	Yes	\$36.27	\$15.50
2049	24-May-12	20	11	\$20.77	Yes	\$38.96	\$18.19
2050	24-May-12	20	11	\$20.77	Yes	\$41.30	\$20.53
2051	24-May-12	20	12	\$20.67	Yes	\$36.27	\$15.60
2052	24-May-12	20	12	\$20.67	Yes	\$38.96	\$18.29
2053	24-May-12	20	12	\$20.67	Yes	\$41.30	\$20.63
2054	24-May-12	21	1	\$19.78	Yes	\$44.68	\$24.90
2055	24-May-12	21	2	\$20.54	Yes	\$44.68	\$24.14
2056	24-May-12	21	3	\$20.65	Yes	\$44.68	\$24.03
2057	24-May-12	21	4	\$22.44	Yes	\$44.68	\$22.24
2058	24-May-12	21	5	\$22.24	Yes	\$44.68	\$22.44
2059	24-May-12	21	6	\$22.24	Yes	\$44.68	\$22.44
2060	24-May-12	21	7	\$21.42	Yes	\$44.68	\$23.26
2061	24-May-12	21	8	\$31.53	Yes	\$44.68	\$13.15
2062	24-May-12	21	9	\$28.63	Yes	\$44.68	\$16.05
2063	24-May-12	21	10	\$25.51	Yes	\$44.68	\$19.17
2064	24-May-12	21	11	\$25.84	Yes	\$40.67	\$14.83
2065	24-May-12	21	11	\$25.84	Yes	\$44.68	\$18.84
2066	24-May-12	21	12	\$25.49	Yes	\$40.67	\$15.18

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2067	24-May-12	21	12	\$25.49	Yes	\$44.68	\$19.19
2068	24-May-12	22	1	\$41.40	Yes	\$36.27	(\$5.13)
2069	24-May-12	22	2	\$30.41	Yes	\$36.27	\$5.86
2070	24-May-12	22	3	\$20.99	Yes	\$36.27	\$15.28
2071	24-May-12	22	4	\$21.15	Yes	\$36.27	\$15.12
2072	24-May-12	22	5	\$21.15	Yes	\$36.27	\$15.12
2073	24-May-12	22	6	\$21.15	Yes	\$36.27	\$15.12
2074	24-May-12	22	7	\$20.62	Yes	\$36.27	\$15.65
2075	24-May-12	22	8	\$21.06	Yes	\$36.27	\$15.21
2076	24-May-12	22	9	\$20.72	Yes	\$36.27	\$15.55
2077	24-May-12	22	10	\$20.65	Yes	\$36.27	\$15.62
2078	24-May-12	22	11	\$19.09	Yes	\$36.27	\$17.18
2079	24-May-12	22	12	\$9.27	Yes	\$36.27	\$27.00
2080	24-May-12	23	1	\$21.88	Yes	\$36.27	\$14.39
2081	24-May-12	23	2	\$28.16	Yes	\$36.27	\$8.11
2082	24-May-12	23	3	\$29.81	Yes	\$36.27	\$6.46
2083	24-May-12	23	4	\$28.32	Yes	\$36.27	\$7.95
2084	24-May-12	23	5	\$24.31	Yes	\$36.27	\$11.96
2085	24-May-12	23	6	\$22.19	Yes	\$36.27	\$14.08
2086	24-May-12	23	7	\$20.82	Yes	\$36.27	\$15.45
2087	24-May-12	23	8	\$21.40	Yes	\$36.27	\$14.87
2088	24-May-12	23	9	\$19.61	Yes	\$36.27	\$16.66
2089	24-May-12	23	10	\$8.22	Yes	\$36.27	\$28.05
2090	24-May-12	23	11	\$19.61	Yes	\$36.27	\$16.66
2091	24-May-12	23	12	\$18.27	Yes	\$33.66	\$15.39
2092	24-May-12	23	12	\$18.27	Yes	\$36.27	\$18.00
2093	24-May-12	24	1	\$22.35	Yes	\$33.66	\$11.31
2094	24-May-12	24	2	\$25.84	Yes	\$33.66	\$7.82
2095	24-May-12	24	3	\$30.08	Yes	\$33.66	\$3.58
2096	24-May-12	24	4	\$21.58	Yes	\$33.66	\$12.08
2097	25-May-12	16	6	\$8.68	Yes	\$33.66	\$24.98
2098	25-May-12	16	7	\$8.68	Yes	\$33.66	\$24.98
2099	25-May-12	16	8	\$8.66	Yes	\$33.66	\$25.00
2100	25-May-12	16	9	\$10.12	Yes	\$33.66	\$23.54
2101	25-May-12	16	10	\$9.93	Yes	\$33.66	\$23.73
2102	25-May-12	16	11	\$12.88	Yes	\$33.66	\$20.78
2103	25-May-12	16	12	\$15.18	Yes	\$33.66	\$18.48
2104	25-May-12	17	1	\$20.33	Yes	\$33.66	\$13.33
2105	25-May-12	17	2	\$20.33	Yes	\$33.66	\$13.33
2106	25-May-12	17	3	\$20.33	Yes	\$33.66	\$13.33
2107	25-May-12	17	4	\$20.52	Yes	\$33.66	\$13.14
2108	25-May-12	17	5	\$14.27	Yes	\$33.66	\$19.39
2109	25-May-12	17	6	\$17.70	Yes	\$33.66	\$15.96
2110	25-May-12	17	7	\$14.34	Yes	\$33.66	\$19.32
2111	25-May-12	17	8	\$18.74	Yes	\$33.66	\$14.92

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2112	25-May-12	17	9	\$18.74	Yes	\$33.66	\$14.92
2113	25-May-12	17	10	\$18.86	Yes	\$33.66	\$14.80
2114	25-May-12	17	11	\$18.74	Yes	\$33.66	\$14.92
2115	25-May-12	17	11	\$18.74	Yes	\$36.27	\$17.53
2116	25-May-12	17	12	\$17.79	Yes	\$33.66	\$15.87
2117	25-May-12	17	12	\$17.79	Yes	\$36.27	\$18.48
2118	25-May-12	18	1	\$16.32	Yes	\$36.27	\$19.95
2119	25-May-12	18	2	\$16.32	Yes	\$36.27	\$19.95
2120	25-May-12	18	3	\$16.32	Yes	\$36.27	\$19.95
2121	25-May-12	18	4	\$18.65	Yes	\$36.27	\$17.62
2122	25-May-12	18	5	\$18.65	Yes	\$36.27	\$17.62
2123	25-May-12	18	6	\$20.84	Yes	\$36.27	\$15.43
2124	25-May-12	18	7	\$21.18	Yes	\$36.27	\$15.09
2125	25-May-12	18	8	\$20.86	Yes	\$36.27	\$15.41
2126	25-May-12	18	9	\$20.86	Yes	\$36.27	\$15.41
2127	25-May-12	18	10	\$19.91	Yes	\$36.27	\$16.36
2128	25-May-12	18	11	\$17.68	Yes	\$36.27	\$18.59
2129	25-May-12	18	12	\$20.45	Yes	\$36.27	\$15.82
2130	25-May-12	19	1	\$18.67	Yes	\$36.27	\$17.60
2131	25-May-12	19	2	\$18.43	Yes	\$36.27	\$17.84
2132	25-May-12	19	3	\$15.61	Yes	\$36.27	\$20.66
2133	25-May-12	19	4	\$15.61	Yes	\$36.27	\$20.66
2134	25-May-12	19	5	\$17.69	Yes	\$36.27	\$18.58
2135	25-May-12	19	6	\$18.44	Yes	\$36.27	\$17.83
2136	25-May-12	19	7	\$15.40	Yes	\$36.27	\$20.87
2137	25-May-12	19	8	\$17.68	Yes	\$36.27	\$18.59
2138	25-May-12	19	9	\$15.43	Yes	\$36.27	\$20.84
2139	25-May-12	19	10	\$14.67	Yes	\$36.27	\$21.60
2140	25-May-12	19	10	\$14.67	Yes	\$38.96	\$24.29
2141	25-May-12	19	11	\$14.67	Yes	\$36.27	\$21.60
2142	25-May-12	19	11	\$14.67	Yes	\$38.96	\$24.29
2143	25-May-12	19	12	\$14.64	Yes	\$36.27	\$21.63
2144	25-May-12	19	12	\$14.64	Yes	\$38.96	\$24.32
2145	25-May-12	20	1	\$15.59	Yes	\$38.96	\$23.37
2146	25-May-12	20	2	\$13.16	Yes	\$38.96	\$25.80
2147	25-May-12	20	3	\$13.16	Yes	\$38.96	\$25.80
2148	25-May-12	20	4	\$15.39	Yes	\$38.96	\$23.57
2149	25-May-12	20	5	\$16.49	Yes	\$38.96	\$22.47
2150	25-May-12	20	6	\$16.49	Yes	\$41.30	\$24.81
2151	25-May-12	20	7	\$16.49	Yes	\$41.30	\$24.81
2152	25-May-12	20	8	\$18.32	Yes	\$41.30	\$22.98
2153	25-May-12	20	9	\$18.68	Yes	\$41.30	\$22.62
2154	25-May-12	20	10	\$18.68	Yes	\$41.30	\$22.62
2155	25-May-12	20	11	\$18.68	Yes	\$41.30	\$22.62
2156	25-May-12	20	12	\$18.27	Yes	\$41.30	\$23.03

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2157	25-May-12	21	1	\$18.54	Yes	\$41.30	\$22.76
2158	25-May-12	21	2	\$18.54	Yes	\$41.30	\$22.76
2159	25-May-12	21	3	\$18.80	Yes	\$41.30	\$22.50
2160	25-May-12	21	4	\$29.35	Yes	\$41.30	\$11.95
2161	25-May-12	21	5	\$24.25	Yes	\$41.30	\$17.05
2162	25-May-12	21	6	\$29.42	Yes	\$41.30	\$11.88
2163	25-May-12	21	7	\$22.34	Yes	\$41.30	\$18.96
2164	25-May-12	21	8	\$22.37	Yes	\$41.30	\$18.93
2165	25-May-12	21	9	\$25.61	Yes	\$41.30	\$15.69
2166	25-May-12	21	10	\$31.56	Yes	\$41.30	\$9.74
2167	25-May-12	21	11	\$30.14	Yes	\$41.30	\$11.16
2168	25-May-12	21	12	\$29.52	Yes	\$41.30	\$11.78
2169	25-May-12	22	1	\$21.63	Yes	\$36.27	\$14.64
2170	25-May-12	22	2	\$28.12	Yes	\$36.27	\$8.15
2171	25-May-12	22	3	\$20.85	Yes	\$36.27	\$15.42
2172	25-May-12	22	4	\$21.65	Yes	\$36.27	\$14.62
2173	25-May-12	22	5	\$20.78	Yes	\$36.27	\$15.49
2174	25-May-12	22	6	\$20.78	Yes	\$36.27	\$15.49
2175	25-May-12	22	7	\$20.78	Yes	\$36.27	\$15.49
2176	25-May-12	22	8	\$20.65	Yes	\$36.27	\$15.62
2177	25-May-12	22	9	\$20.65	Yes	\$36.27	\$15.62
2178	25-May-12	22	10	\$20.50	Yes	\$36.27	\$15.77
2179	25-May-12	22	11	\$18.75	Yes	\$36.27	\$17.52
2180	25-May-12	22	12	\$16.68	Yes	\$36.27	\$19.59
2181	25-May-12	23	1	\$37.70	Yes	\$33.66	(\$4.04)
2182	25-May-12	23	2	\$32.57	Yes	\$33.66	\$1.09
2183	25-May-12	23	3	\$32.57	Yes	\$33.66	\$1.09
2184	25-May-12	23	4	\$29.23	Yes	\$33.66	\$4.43
2185	25-May-12	23	5	\$32.67	Yes	\$33.66	\$0.99
2186	25-May-12	23	6	\$29.23	Yes	\$33.66	\$4.43
2187	25-May-12	23	7	\$22.62	Yes	\$33.66	\$11.04
2188	25-May-12	23	8	\$23.37	Yes	\$33.66	\$10.29
2189	25-May-12	23	9	\$22.93	Yes	\$33.66	\$10.73
2190	25-May-12	23	10	\$21.06	Yes	\$33.66	\$12.60
2191	25-May-12	23	11	\$21.13	Yes	\$33.66	\$12.53
2192	25-May-12	23	12	\$19.62	Yes	\$33.66	\$14.04
2193	27-May-12	22	1	\$22.01	Yes	\$35.00	\$12.99
2194	27-May-12	22	2	\$21.60	Yes	\$35.00	\$13.40
2195	27-May-12	22	3	\$21.60	Yes	\$35.00	\$13.40
2196	27-May-12	22	4	\$21.46	Yes	\$35.00	\$13.54
2197	27-May-12	22	5	\$21.46	Yes	\$35.00	\$13.54
2198	27-May-12	22	6	\$21.36	Yes	\$35.00	\$13.64
2199	27-May-12	22	7	\$19.47	Yes	\$35.00	\$15.53
2200	27-May-12	22	8	\$18.43	Yes	\$35.00	\$16.57
2201	27-May-12	22	9	\$18.50	Yes	\$35.00	\$16.50

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
2202	27-May-12	22	10	\$18.50	Yes	\$35.00	\$16.50
2203	27-May-12	22	11	\$15.80	Yes	\$35.00	\$19.20
2204	27-May-12	22	12	\$11.27	Yes	\$35.00	\$23.73
2205	27-May-12	23	1	\$29.42	Yes	\$35.00	\$5.58
2206	27-May-12	23	2	\$29.46	Yes	\$35.00	\$5.54
2207	27-May-12	23	3	\$20.76	Yes	\$35.00	\$14.24
2208	27-May-12	23	4	\$20.74	Yes	\$35.00	\$14.26
2209	27-May-12	23	5	\$21.68	Yes	\$35.00	\$13.32
2210	27-May-12	23	6	\$20.78	Yes	\$35.00	\$14.22
2211	27-May-12	23	7	\$18.69	Yes	\$35.00	\$16.31
2212	27-May-12	23	8	\$10.49	Yes	\$35.00	\$24.51
2213	27-May-12	23	9	\$10.49	Yes	\$35.00	\$24.51
2214	27-May-12	23	10	\$14.51	Yes	\$35.00	\$20.49
2215	27-May-12	23	11	\$14.51	Yes	\$35.00	\$20.49
2216	27-May-12	23	12	\$8.30	Yes	\$35.00	\$26.70
2217	27-May-12	24	1	\$21.40	No	\$35.00	\$13.60
2218	27-May-12	24	2	\$20.68	No	\$35.00	\$14.32
2219	27-May-12	24	3	\$14.89	No	\$35.00	\$20.11
2220	27-May-12	24	4	\$18.95	No	\$35.00	\$16.05
2221	27-May-12	24	5	\$20.31	No	\$35.00	\$14.69
2222	27-May-12	24	6	\$21.21	No	\$35.00	\$13.79
2223	27-May-12	24	7	\$17.15	No	\$35.00	\$17.85
2224	27-May-12	24	8	\$17.11	No	\$35.00	\$17.89
2225	27-May-12	24	9	\$15.15	No	\$35.00	\$19.85
2226	27-May-12	24	10	(\$2.17)	No	\$35.00	\$37.17
2227	27-May-12	24	11	(\$2.17)	No	\$35.00	\$37.17
2228	27-May-12	24	12	(\$2.17)	No	\$35.00	\$37.17

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	19-May-12	8	9	\$28.83	Yes	\$29.27	\$0.44
2	19-May-12	8	10	\$32.29	Yes	\$29.27	(\$3.02)
3	19-May-12	8	11	\$29.01	Yes	\$29.27	\$0.26
4	19-May-12	8	12	\$29.01	Yes	\$29.27	\$0.26
5	19-May-12	9	1	\$28.59	Yes	\$29.27	\$0.68
6	19-May-12	9	2	\$27.58	Yes	\$29.27	\$1.69
7	19-May-12	9	3	\$31.98	Yes	\$29.27	(\$2.71)
8	19-May-12	9	4	\$26.07	Yes	\$29.27	\$3.20
9	19-May-12	9	5	\$26.88	Yes	\$29.27	\$2.39
10	19-May-12	9	6	\$28.51	Yes	\$29.27	\$0.76
11	19-May-12	9	7	\$28.49	Yes	\$29.27	\$0.78
12	19-May-12	9	8	\$29.18	Yes	\$29.27	\$0.09
13	19-May-12	9	9	\$30.61	Yes	\$29.27	(\$1.34)
14	19-May-12	9	10	\$29.78	Yes	\$29.27	(\$0.51)
15	19-May-12	9	11	\$32.05	Yes	\$29.27	(\$2.78)
16	19-May-12	9	12	\$32.86	Yes	\$29.27	(\$3.59)
17	19-May-12	10	1	\$27.48	Yes	\$29.27	\$1.79
18	19-May-12	10	2	\$28.53	Yes	\$29.27	\$0.74
19	19-May-12	10	3	\$28.58	Yes	\$29.27	\$0.69
20	19-May-12	10	4	\$28.79	Yes	\$29.27	\$0.48
21	19-May-12	10	5	\$32.11	Yes	\$29.27	(\$2.84)
22	19-May-12	10	6	\$32.12	Yes	\$29.27	(\$2.85)
23	19-May-12	10	7	\$32.03	Yes	\$29.27	(\$2.76)
24	19-May-12	10	8	\$28.65	Yes	\$29.27	\$0.62
25	19-May-12	10	9	\$32.26	Yes	\$29.27	(\$2.99)
26	19-May-12	10	10	\$35.56	Yes	\$29.27	(\$6.29)
27	19-May-12	10	11	\$40.47	Yes	\$29.27	(\$11.20)
28	19-May-12	10	12	\$42.00	Yes	\$29.27	(\$12.73)
29	19-May-12	11	1	\$20.08	Yes	\$29.27	\$9.19
30	19-May-12	11	2	\$22.27	Yes	\$29.27	\$7.00
31	19-May-12	11	3	\$25.20	Yes	\$29.27	\$4.07
32	19-May-12	11	4	\$27.49	Yes	\$29.27	\$1.78
33	19-May-12	11	5	\$30.42	Yes	\$29.27	(\$1.15)
34	19-May-12	11	6	\$30.45	Yes	\$29.27	(\$1.18)
35	19-May-12	11	7	\$29.61	Yes	\$29.27	(\$0.34)
36	19-May-12	11	8	\$29.27	Yes	\$29.27	\$0.00
37	19-May-12	11	9	\$29.64	Yes	\$29.27	(\$0.37)
38	19-May-12	11	10	\$32.22	Yes	\$29.27	(\$2.95)

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
39	19-May-12	11	11	\$32.24	Yes	\$29.27	(\$2.97)
40	19-May-12	11	12	\$34.38	Yes	\$29.27	(\$5.11)
41	19-May-12	12	1	\$20.17	Yes	\$29.27	\$9.10
42	19-May-12	12	2	\$20.18	Yes	\$29.27	\$9.09
43	19-May-12	12	3	\$20.18	Yes	\$29.27	\$9.09
44	19-May-12	12	4	\$21.99	Yes	\$29.27	\$7.28
45	19-May-12	12	5	\$20.82	Yes	\$29.27	\$8.45
46	19-May-12	12	6	\$22.20	Yes	\$29.27	\$7.07
47	19-May-12	12	7	\$22.02	Yes	\$29.27	\$7.25
48	19-May-12	12	8	\$30.17	Yes	\$29.27	(\$0.90)
49	19-May-12	12	9	\$28.24	Yes	\$29.27	\$1.03
50	19-May-12	12	10	\$26.37	Yes	\$29.27	\$2.90
51	19-May-12	12	11	\$26.71	Yes	\$29.27	\$2.56
52	19-May-12	12	12	\$21.19	Yes	\$29.27	\$8.08
53	19-May-12	13	1	\$20.35	Yes	\$29.27	\$8.92
54	19-May-12	13	2	\$20.35	Yes	\$29.27	\$8.92
55	19-May-12	13	3	\$21.13	Yes	\$29.27	\$8.14
56	19-May-12	13	4	\$21.94	Yes	\$29.27	\$7.33
57	19-May-12	13	5	\$21.10	Yes	\$29.27	\$8.17
58	19-May-12	13	6	\$22.13	Yes	\$29.27	\$7.14
59	19-May-12	13	7	\$22.11	Yes	\$29.27	\$7.16
60	19-May-12	13	8	\$27.35	Yes	\$29.27	\$1.92
61	19-May-12	13	9	\$29.27	Yes	\$29.27	\$0.00
62	19-May-12	13	10	\$22.07	Yes	\$29.27	\$7.20
63	19-May-12	13	11	\$23.22	Yes	\$29.27	\$6.05
64	19-May-12	13	12	\$27.19	Yes	\$29.27	\$2.08
65	19-May-12	14	1	\$22.57	Yes	\$29.27	\$6.70
66	19-May-12	14	2	\$28.43	Yes	\$29.27	\$0.84
67	19-May-12	14	3	\$29.27	Yes	\$29.27	\$0.00
68	19-May-12	14	4	\$28.89	Yes	\$29.27	\$0.38
69	19-May-12	14	5	\$27.41	Yes	\$29.27	\$1.86
70	19-May-12	14	6	\$29.27	Yes	\$29.27	\$0.00
71	19-May-12	14	7	\$27.43	Yes	\$29.27	\$1.84
72	19-May-12	14	8	\$26.41	Yes	\$29.27	\$2.86
73	19-May-12	14	9	\$28.48	Yes	\$29.27	\$0.79
74	19-May-12	14	10	\$28.87	Yes	\$29.27	\$0.40
75	19-May-12	14	11	\$28.47	Yes	\$29.27	\$0.80
76	19-May-12	14	12	\$29.42	Yes	\$29.27	(\$0.15)
77	19-May-12	15	1	\$28.71	Yes	\$29.27	\$0.56
78	19-May-12	15	2	\$29.42	Yes	\$29.27	(\$0.15)
79	19-May-12	15	3	\$30.01	Yes	\$29.27	(\$0.74)
80	19-May-12	15	4	\$29.86	Yes	\$29.27	(\$0.59)
81	19-May-12	15	5	\$28.88	Yes	\$29.27	\$0.39
82	19-May-12	15	6	\$29.27	Yes	\$29.27	\$0.00
83	19-May-12	15	7	\$29.27	Yes	\$29.27	\$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
84	19-May-12	15	8	\$29.40	Yes	\$29.27	(\$0.13)
85	19-May-12	15	9	\$32.02	Yes	\$29.27	(\$2.75)
86	19-May-12	15	10	\$26.37	Yes	\$29.27	\$2.90
87	19-May-12	15	11	\$28.46	Yes	\$29.27	\$0.81
88	19-May-12	15	12	\$27.84	Yes	\$29.27	\$1.43
89	19-May-12	16	1	\$23.30	Yes	\$29.27	\$5.97
90	19-May-12	16	2	\$27.28	Yes	\$29.27	\$1.99
91	19-May-12	16	3	\$29.27	Yes	\$29.27	\$0.00
92	19-May-12	16	4	\$29.34	Yes	\$29.27	(\$0.07)
93	19-May-12	16	5	\$28.87	Yes	\$29.27	\$0.40
94	19-May-12	16	6	\$31.83	Yes	\$29.27	(\$2.56)
95	19-May-12	16	7	\$29.41	Yes	\$29.27	(\$0.14)
96	19-May-12	16	8	\$32.97	Yes	\$29.27	(\$3.70)
97	19-May-12	16	9	\$31.83	Yes	\$29.27	(\$2.56)
98	19-May-12	16	10	\$29.26	Yes	\$29.27	\$0.01
99	19-May-12	16	11	\$29.26	Yes	\$29.27	\$0.01
100	19-May-12	16	12	\$36.56	Yes	\$29.27	(\$7.29)
101	19-May-12	17	1	\$41.85	Yes	\$29.27	(\$12.58)
102	19-May-12	17	2	\$31.25	Yes	\$29.27	(\$1.98)
103	19-May-12	17	3	\$31.25	Yes	\$29.27	(\$1.98)
104	19-May-12	17	4	\$29.27	Yes	\$29.27	\$0.00
105	19-May-12	17	5	\$29.30	Yes	\$29.27	(\$0.03)
106	19-May-12	17	6	\$26.27	Yes	\$29.27	\$3.00
107	19-May-12	17	7	\$27.31	Yes	\$29.27	\$1.96
108	19-May-12	17	8	\$22.50	Yes	\$29.27	\$6.77
109	19-May-12	17	9	\$22.87	Yes	\$29.27	\$6.40
110	19-May-12	17	10	\$27.21	Yes	\$29.27	\$2.06
111	19-May-12	17	11	\$27.21	Yes	\$29.27	\$2.06
112	19-May-12	17	12	\$24.94	Yes	\$29.27	\$4.33
113	19-May-12	18	1	\$23.05	Yes	\$29.27	\$6.22
114	19-May-12	18	2	\$22.53	Yes	\$29.27	\$6.74
115	19-May-12	18	3	\$24.28	Yes	\$29.27	\$4.99
116	19-May-12	18	4	\$23.09	Yes	\$29.27	\$6.18
117	19-May-12	18	5	\$23.09	Yes	\$29.27	\$6.18
118	19-May-12	18	6	\$24.40	Yes	\$29.27	\$4.87
119	19-May-12	18	7	\$23.07	Yes	\$29.27	\$6.20
120	19-May-12	18	8	\$21.35	Yes	\$29.27	\$7.92
121	19-May-12	18	9	\$22.11	Yes	\$29.27	\$7.16
122	19-May-12	18	10	\$23.05	Yes	\$29.27	\$6.22
123	19-May-12	18	11	\$23.09	Yes	\$29.27	\$6.18
124	19-May-12	18	12	\$23.09	Yes	\$29.27	\$6.18
125	19-May-12	19	1	\$29.60	Yes	\$29.27	(\$0.33)
126	19-May-12	19	2	\$29.60	Yes	\$29.27	(\$0.33)
127	19-May-12	19	3	\$29.27	Yes	\$29.27	\$0.00
128	19-May-12	19	4	\$29.10	Yes	\$29.27	\$0.17

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
129	19-May-12	19	5	\$29.10	Yes	\$29.27	\$0.17
130	19-May-12	19	6	\$29.10	Yes	\$29.27	\$0.17
131	19-May-12	19	7	\$29.05	Yes	\$29.27	\$0.22
132	19-May-12	19	8	\$29.56	Yes	\$29.27	(\$0.29)
133	19-May-12	19	9	\$29.56	Yes	\$29.27	(\$0.29)
134	19-May-12	19	10	\$28.87	Yes	\$29.27	\$0.40
135	19-May-12	19	11	\$24.97	Yes	\$29.27	\$4.30
136	19-May-12	19	12	\$20.13	Yes	\$29.27	\$9.14
137	19-May-12	20	1	\$35.75	Yes	\$29.27	(\$6.48)
138	19-May-12	20	2	\$31.78	Yes	\$29.27	(\$2.51)
139	19-May-12	20	3	\$28.19	Yes	\$29.27	\$1.08
140	19-May-12	20	4	\$28.88	Yes	\$29.27	\$0.39
141	19-May-12	20	5	\$29.51	Yes	\$29.27	(\$0.24)
142	19-May-12	20	6	\$29.24	Yes	\$29.27	\$0.03
143	19-May-12	20	7	\$29.17	Yes	\$29.27	\$0.10
144	19-May-12	20	8	\$28.34	Yes	\$29.27	\$0.93
145	19-May-12	20	9	\$29.47	Yes	\$29.27	(\$0.20)
146	19-May-12	20	10	\$29.71	Yes	\$29.27	(\$0.44)
147	19-May-12	20	11	\$29.71	Yes	\$29.27	(\$0.44)
148	19-May-12	20	12	\$29.27	Yes	\$29.27	\$0.00
149	19-May-12	21	1	\$23.12	Yes	\$29.27	\$6.15
150	19-May-12	21	2	\$23.83	Yes	\$29.27	\$5.44
151	19-May-12	21	3	\$24.96	Yes	\$29.27	\$4.31
152	19-May-12	21	4	\$25.11	Yes	\$29.27	\$4.16
153	19-May-12	21	5	\$32.61	Yes	\$29.27	(\$3.34)
154	19-May-12	21	6	\$31.82	Yes	\$29.27	(\$2.55)
155	19-May-12	21	7	\$31.13	Yes	\$29.27	(\$1.86)
156	19-May-12	21	8	\$29.27	Yes	\$29.27	\$0.00
157	19-May-12	21	9	\$29.27	Yes	\$29.27	\$0.00
158	19-May-12	21	10	\$21.36	Yes	\$29.27	\$7.91
159	19-May-12	21	11	\$21.97	Yes	\$29.27	\$7.30
160	19-May-12	21	12	\$19.91	Yes	\$29.27	\$9.36
161	19-May-12	22	1	\$38.22	Yes	\$29.27	(\$8.95)
162	19-May-12	22	2	\$56.86	Yes	\$29.27	(\$27.59)
163	19-May-12	22	3	\$31.90	Yes	\$29.27	(\$2.63)
164	19-May-12	22	4	\$31.90	Yes	\$29.27	(\$2.63)
165	19-May-12	22	5	\$29.64	Yes	\$29.27	(\$0.37)
166	19-May-12	22	6	\$29.28	Yes	\$29.27	(\$0.01)
167	19-May-12	22	7	\$25.07	Yes	\$29.27	\$4.20
168	19-May-12	22	8	\$23.15	Yes	\$29.27	\$6.12
169	19-May-12	22	9	\$21.77	Yes	\$29.27	\$7.50
170	19-May-12	22	10	\$20.86	Yes	\$29.27	\$8.41
171	19-May-12	22	11	\$18.55	Yes	\$29.27	\$10.72
172	19-May-12	22	12	\$14.50	Yes	\$29.27	\$14.77
173	23-May-12	16	5	\$22.60	Yes	\$30.15	\$7.55

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
174	23-May-12	16	6	\$23.10	Yes	\$30.15	\$7.05
175	23-May-12	16	7	\$21.25	Yes	\$30.15	\$8.90
176	23-May-12	16	8	\$23.19	Yes	\$30.15	\$6.96
177	23-May-12	16	9	\$23.33	Yes	\$30.15	\$6.82
178	23-May-12	16	10	\$23.10	Yes	\$30.15	\$7.05
179	23-May-12	16	11	\$22.86	Yes	\$30.15	\$7.29
180	23-May-12	16	12	\$22.32	Yes	\$30.15	\$7.83
181	23-May-12	17	1	\$24.07	Yes	\$30.15	\$6.08
182	23-May-12	17	2	\$23.22	Yes	\$30.15	\$6.93
183	23-May-12	17	3	\$23.09	Yes	\$30.15	\$7.06
184	23-May-12	17	4	\$23.09	Yes	\$30.15	\$7.06
185	23-May-12	17	5	\$23.09	Yes	\$30.15	\$7.06
186	23-May-12	17	6	\$24.06	Yes	\$30.15	\$6.09
187	23-May-12	17	7	\$23.09	Yes	\$30.15	\$7.06
188	23-May-12	17	8	\$24.04	Yes	\$30.15	\$6.11
189	23-May-12	17	9	\$24.04	Yes	\$30.15	\$6.11
190	23-May-12	17	10	\$34.19	Yes	\$30.15	(\$4.04)
191	23-May-12	17	11	\$29.07	Yes	\$30.15	\$1.08
192	23-May-12	17	12	\$23.99	Yes	\$30.15	\$6.16
193	23-May-12	18	1	\$25.93	Yes	\$30.15	\$4.22
194	23-May-12	18	2	\$27.05	Yes	\$30.15	\$3.10
195	23-May-12	18	3	\$32.63	Yes	\$30.15	(\$2.48)
196	23-May-12	18	4	\$21.33	Yes	\$30.15	\$8.82
197	23-May-12	18	5	\$21.33	Yes	\$30.15	\$8.82
198	23-May-12	18	6	\$21.33	Yes	\$30.15	\$8.82
199	23-May-12	18	7	\$21.35	Yes	\$30.15	\$8.80
200	23-May-12	18	8	\$21.34	Yes	\$30.15	\$8.81
201	23-May-12	18	9	\$21.33	Yes	\$30.15	\$8.82
202	23-May-12	18	10	\$21.31	Yes	\$30.15	\$8.84
203	23-May-12	18	11	\$21.30	Yes	\$30.15	\$8.85
204	23-May-12	18	12	\$21.20	Yes	\$30.15	\$8.95
205	23-May-12	19	1	\$21.36	Yes	\$30.15	\$8.79
206	23-May-12	19	2	\$21.36	Yes	\$30.15	\$8.79
207	23-May-12	19	3	\$21.67	Yes	\$30.15	\$8.48
208	23-May-12	19	4	\$23.59	Yes	\$30.15	\$6.56
209	23-May-12	19	5	\$22.53	Yes	\$30.15	\$7.62
210	23-May-12	19	6	\$21.31	Yes	\$30.15	\$8.84
211	23-May-12	19	7	\$21.31	Yes	\$30.15	\$8.84
212	23-May-12	19	8	\$21.32	Yes	\$30.15	\$8.83
213	23-May-12	19	9	\$21.32	Yes	\$30.15	\$8.83
214	23-May-12	19	10	\$21.30	Yes	\$30.15	\$8.85
215	23-May-12	19	11	\$21.30	Yes	\$30.15	\$8.85
216	23-May-12	19	12	\$21.22	Yes	\$30.15	\$8.93
217	23-May-12	20	1	\$21.31	Yes	\$30.15	\$8.84
218	23-May-12	20	2	\$21.23	Yes	\$30.15	\$8.92

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
219	23-May-12	20	3	\$21.23	Yes	\$30.15	\$8.92
220	23-May-12	20	4	\$21.24	Yes	\$30.15	\$8.91
221	23-May-12	20	5	\$21.24	Yes	\$30.15	\$8.91
222	23-May-12	20	6	\$21.24	Yes	\$30.15	\$8.91
223	23-May-12	20	7	\$21.24	Yes	\$30.15	\$8.91
224	23-May-12	20	8	\$21.27	Yes	\$30.15	\$8.88
225	23-May-12	20	9	\$21.22	Yes	\$30.15	\$8.93
226	23-May-12	20	10	\$22.37	Yes	\$30.15	\$7.78
227	23-May-12	20	11	\$21.97	Yes	\$30.15	\$8.18
228	23-May-12	20	12	\$21.36	Yes	\$30.15	\$8.79
229	23-May-12	21	1	\$21.38	Yes	\$30.15	\$8.77
230	23-May-12	21	2	\$21.39	Yes	\$30.15	\$8.76
231	23-May-12	21	3	\$21.39	Yes	\$30.15	\$8.76
232	23-May-12	21	4	\$21.34	Yes	\$30.15	\$8.81
233	23-May-12	21	5	\$21.35	Yes	\$30.15	\$8.80
234	23-May-12	21	6	\$21.35	Yes	\$30.15	\$8.80
235	23-May-12	21	7	\$21.44	Yes	\$30.15	\$8.71
236	23-May-12	21	8	\$22.34	Yes	\$30.15	\$7.81
237	23-May-12	21	9	\$21.61	Yes	\$30.15	\$8.54
238	23-May-12	21	10	\$22.58	Yes	\$30.15	\$7.57
239	23-May-12	21	11	\$21.94	Yes	\$30.15	\$8.21
240	23-May-12	21	12	\$21.34	Yes	\$30.15	\$8.81

Appendix C: Exceptional Dispatch Bid Mitigation Analysis

In May 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 May. With exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches were \$ 138,446. Without the exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches would be \$465,139. The cost saving from the exceptional dispatch bid mitigation was \$326,693.

Table 10: Bid Mitigation Analysis for May

Type	Number of Resources	Costs without Bid Mitigation	Costs with Bid Mitigation	Cost Saving
NONTMOD	6	\$254,308.87	\$12,379.31	\$241,929.55
TMODEL5	4	\$210,278.87	\$125,599.30	\$84,679.57
TMODEL7	1	\$551.45	\$467.80	\$83.65
		\$465,139.19	\$138,446.42	\$326,692.78

CERTIFICATE OF SERVICE

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

Dated at Folsom, California this 30th day of August 2012.

Is/ Anna Pascuzzo

Anna Pascuzzo