

June 29, 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-____
March 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 March, 2012. The attached Chart 2 report also includes the price impact analysis for the month of March, 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 March, 2012.

Respectfully submitted,

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Exceptional Dispatch Report

Table 2: March 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 March 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 March is presented in Appendix B. This report also includes the degree of mitigation analysis for March 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 March 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 March 2012, the ISO issued exceptional dispatches for the following transmission management requirements: (1) 7110, transmission facilities in Humboldt area; (2) 7320, transmission facilities in Bay Area; (3) 7820, transmission facilities in San Diego and Imperial Valley area; and (4) other transmission outages in PG&E, SCE and SDG&E area.

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

The following additional reasons for exceptional dispatch instructions in March 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) 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 March, which are self explanatory.

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

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

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

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.
- 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

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

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

- 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 CAISO issued an exceptional dispatch to Huntington Beach Unit 1 and to Encina Unit 4 on March 1, 2012. In accordance with Tariff Section 43.2.5.2.1, the ISO issued a CPM designation to Huntington Beach Unit 1 (HNTGBH_7_UNIT 1) for 98 MW of capacity and to Encina Unit 4 (ENCINA_7_EA4) for 300 MW of capacity for a 60-day term from March 1 to April 29, 2012, resulting in a capacity cost of \$1,255,748 for Huntington Beach Unit 1 and \$3,844,125 for Encina Unit 4.

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 March 2012

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

Chart 2: Table of Exceptional Dispatches for Period 01/March/2012 - 31/March/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	7110	PG&E	Humboldt	1-Mar-12	29	No	INC	14	6:18	19:59	109.29	\$3,565	\$0	(\$3,075)	\$32	(\$903)	\$0	\$0	(\$122)	\$0
2	RT	7110	PG&E	Humboldt	2-Mar-12	32	No	INC	5	6:30	10:59	63.53	\$1,654	\$0	(\$1,867)	\$12	(\$283)	\$0	\$0	(\$92)	\$0
3	RT	7110	PG&E	Humboldt	12-Mar-12	29- 90	No	INC	17	7:28	23:58	190.27	\$4,830	\$0	(\$5,781)	\$23	(\$489)	\$0	\$0	(\$165)	\$0
4	RT	7110	PG&E	Humboldt	13-Mar-12	29- 44	No	INC	17	5:23	21:59	192.21	\$5,250	\$0	(\$5,113)	\$32	(\$690)	\$0	\$0	(\$206)	\$0
5	RT	7110	PG&E	Humboldt	16-Mar-12	87	No	INC	17	7:43	23:59	398.96	\$11,760	\$0	(\$9,006)	\$111	(\$2,485)	\$0	\$0	(\$686)	\$0
6	RT	7110	PG&E	Humboldt	17-Mar-12	29- 87	No	INC	6	0:00	5:40	154.52	\$4,480	\$0	(\$3,502)	\$39	(\$840)	\$0	\$0	(\$262)	\$0
7	RT	7110	PG&E	Humboldt	19-Mar-12	29	No	INC	2	9:00	10:59	21.68	\$770	\$0	(\$647)	\$3	(\$90)	\$0	\$0	(\$7)	\$0
8	RT	7110	PG&E	Humboldt	22-Mar-12	29	No	INC	4	9:00	12:16	39.01	\$1,190	\$0	(\$797)	\$12	(\$250)	\$0	\$0	(\$93)	\$0
9	RT	7110	PG&E	Humboldt	27-Mar-12	75- 128	No	INC	24	0:00	23:59	1777.25	\$45,605	\$0	(\$38,643)	\$422	(\$7,891)	\$0	\$0	(\$4,413)	\$0
10	RT	7110	PG&E	Humboldt	28-Mar-12	32- 108	No	INC	24	0:00	23:29	1134.17	\$28,945	\$0	(\$15,903)	\$348	(\$4,734)	\$0	\$0	(\$5,286)	\$0
11	RT	7110	PG&E	Humboldt	29-Mar-12	29	No	INC	1	21:39	21:56	0.48	\$0	\$0	(\$9)	\$0	\$0	\$0	\$0	\$0	\$0
12	RT	7110	PG&E	Humboldt	31-Mar-12	30- 123	No	INC	21	3:50	23:59	1337.85	\$33,705	\$0	(\$25,675)	\$359	(\$5,475)	\$0	\$0	(\$4,476)	\$0
13	RT	7320	PG&E	Bay Area	1-Mar-12	20	Yes	INC	3	19:50	21:12	28.33	\$0	\$0	(\$25,574)	\$0	\$0	\$0	\$0	\$0	\$0
14	RT	7320	PG&E	Bay Area	27-Mar-12	20	Yes	INC	3	19:39	21:59	46.20	\$1,626	\$324	(\$1,110)	\$0	\$0	\$0	\$0	\$0	\$0
15	RT	7820	SDG&E	N/A	6-Mar-12	50	No	DEC	2	18:29	19:59	-5.71	\$0	\$0	(\$94)	(\$6)	(\$1,034)	\$939	\$0	(\$584)	\$0
16	RT	7820	SDG&E	N/A	6-Mar-12	50- 450	No	INC	4	18:49	21:59	135.35	\$320	\$0	(\$4,130)	\$135	(\$4,164)	\$81	\$0	(\$42)	\$0
17	RT	Bridging Schedules	SDG&E	San Diego	4-Mar-12	493	No	INC	1	23:00	23:59	456.16	\$6,785	\$0	(\$7,812)	\$147	(\$2,604)	\$0	\$0	\$0	\$0
18	RT	Bridging Schedules	SDG&E	San Diego	6-Mar-12	155	No	INC	1	23:00	23:59	462.32	\$0	\$0	(\$11,228)	\$0	\$0	\$0	\$0	\$0	\$0
19	RT	COI Mitigation	N/A	N/A	10-Mar-12	100- 200	No	DEC	5	9:09	13:19	-378.87	\$0	\$0	\$5,830	(\$344)	\$0	\$5,274	\$0	\$0	\$0
20	RT	COI Mitigation	N/A	N/A	11-Mar-12	200	No	DEC	2	10:15	11:12	-30.43	\$0	\$0	\$448	(\$193)	\$0	\$0	\$0	\$0	\$0
21	RT	COI Mitigation	N/A	N/A	17-Mar-12	50- 100	No	DEC	12	7:05	18:59	1080.35	\$0	\$0	\$8,057	(\$981)	\$0	\$7,143	\$0	\$0	\$0
22	RT	COI Mitigation	N/A	N/A	17-Mar-12	200	No	INC	6	18:50	23:59	-2.60	\$0	\$0	\$151	(\$1)	\$0	\$0	\$0	\$0	\$0

Department of Market Analysis and Development – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
23	RT	COI Mitigation	N/A	N/A	18-Mar-12	50- 100	Yes	DEC	3	20:35	22:59	-145.69	\$0	\$0	\$128	(\$135)	\$0	\$1	\$0	\$0	\$0
24	RT	COI Mitigation	N/A	N/A	18-Mar-12	50- 100	Yes	INC	2	21:55	22:59	4.69	\$0	\$0	(\$138)	\$0	\$0	\$0	\$0	\$0	\$0
25	RT	COI Mitigation	N/A	N/A	28-Mar-12	100	No	DEC	1	15:20	15:59	-89.57	\$0	\$0	\$90	(\$85)	\$0	\$86	\$0	\$0	\$0
26	RT	COI Mitigation	PG&E	Bay Area	17-Mar-12	90	No	INC	10	9:55	18:59	1234.71	\$0	\$0	(\$82,283)	\$601	(\$20,281)	\$0	(\$45,128)	\$0	\$0
27	RT	Generation Outage	SCE	LA Basin	19-Mar-12	20- 45	Yes	INC	15	9:00	23:59	456.77	\$29,799	\$15,548	(\$12,300)	\$0	\$0	\$0	\$0	\$0	\$0
28	RT	Intertie Emergency Assistance	N/A	N/A	15-Mar-12	100	No	INC	1	14:22	14:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
29	RT	Load Forecast Error	SCE	LA Basin	1-Mar-12	20	Yes	INC	24	0:00	23:59	1731.19	\$68,136	\$0	(\$49,483)	\$1,020	(\$31,836)	\$0	\$0	\$0	\$0
30	RT	Load Forecast Uncertainty	PG&E	Bay Area	17-Mar-12	180-320	Yes	INC	8	16:00	23:59	2474.09	\$81,721	\$0	(\$68,934)	\$947	(\$23,956)	\$0	(\$57,348)	\$0	\$0
31	RT	Load Forecast Uncertainty	PG&E	Bay Area	18-Mar-12	180-320	Yes	INC	24	0:00	23:59	7271.77	\$278,198	\$0	(\$168,182)	\$2,370	(\$43,453)	\$0	(\$153,115)	\$0	\$0
32	RT	Load Forecast Uncertainty	PG&E	Fresno	18-Mar-12	160	No	INC	6	1:00	6:59	1368.33	\$23,991	\$0	(\$23,072)	\$0	\$0	\$0	\$0	\$0	\$0
33	RT	Load Forecast Uncertainty	PG&E	N/A	17-Mar-12	339	No	INC	6	14:00	19:59	267.07	\$0	\$0	(\$6,062)	\$0	\$0	\$0	\$0	\$0	\$0
34	RT	MSG Plant Startup	N/A	N/A	31-Mar-12	260	Yes	INC	1	11:00	11:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35	RT	Over Generation	PG&E	Fresno	10-Mar-12	308	No	DEC	1	2:00	2:59	-303.00	\$0	\$0	\$3,818	\$0	\$0	\$0	\$0	\$0	\$0
36	RT	Path 15	PG&E	Bay Area	29-Mar-12	253	No	INC	1	16:15	16:59	-0.06	\$0	\$0	\$1	\$0	\$0	\$0	\$0	\$0	\$0
37	RT	Path 15	PG&E	Bay Area	30-Mar-12	253	No	INC	22	2:00	23:59	13797.27	\$346,873	\$0	(\$452,034)	\$0	\$0	\$0	\$0	\$0	\$0
38	RT	Path 26	SCE	LA Basin	29-Mar-12	25- 45	Yes	INC	24	0:00	23:59	934.72	\$111,134	\$0	(\$39,664)	\$157	(\$6,400)	\$0	(\$485)	\$0	\$0
39	RT	Path 26	SDG&E	San Diego	28-Mar-12	370-630	No	INC	2	13:15	14:04	213.04	\$5,862	\$0	(\$4,331)	\$99	(\$1,931)	\$0	\$0	(\$1,007)	\$0
40	RT	Ramp Rate	N/A	N/A	7-Mar-12	11- 189	No	DEC	17	5:00	21:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
41	RT	Ramp Rate	N/A	N/A	7-Mar-12	0	No	INC	17	5:00	21:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
42	RT	Ramp Rate	N/A	N/A	22-Mar-12	63	Yes	INC	6	16:25	21:29	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
43	RT	Ramp Rate	N/A	N/A	29-Mar-12	64	Yes	INC	12	7:20	18:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
44	RT	Ramp Rate	SCE	LA Basin	1-Mar-12	190	Yes	INC	7	14:45	20:59	1161.14	\$17,980	\$0	(\$34,907)	\$1,020	(\$31,836)	\$0	\$0	\$0	\$0
45	RT	Ramp Rate	SCE	LA Basin	2-Mar-12	42- 139	No	DEC	5	16:30	20:59	-240.82	\$0	\$0	\$6,174	\$0	\$0	\$0	\$0	\$0	\$0
46	RT	Ramp Rate	SCE	LA Basin	2-Mar-12	45- 90	No	INC	5	16:30	20:59	228.45	\$0	\$0	(\$7,450)	\$218	(\$7,125)	\$0	\$0	\$0	\$0
47	RT	Ramp Rate	SCE	LA Basin	3-Mar-12	42- 139	No	DEC	3	20:50	22:59	-17.70	\$0	\$0	\$273	\$0	\$0	\$0	\$0	\$0	\$0
48	RT	Ramp Rate	SCE	LA Basin	3-Mar-12	45	No	INC	6	17:25	22:59	205.53	\$0	\$0	(\$6,638)	\$203	(\$6,579)	\$0	\$0	\$0	\$0
49	RT	Ramp Rate	SCE	LA Basin	4-Mar-12	97- 194	No	DEC	6	15:40	20:59	-78.74	\$0	\$0	\$1,729	\$0	\$0	\$0	\$0	\$0	\$0
50	RT	Ramp Rate	SCE	LA Basin	4-Mar-12	45- 90	No	INC	6	15:40	20:59	172.32	\$0	\$0	(\$5,177)	\$145	(\$4,254)	\$0	\$0	\$0	\$0

Department of Market Analysis and Development – California ISO

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
51	RT	Ramp Rate	SCE	LA Basin	5-Mar-12	33	No	DEC	5	16:30	20:59	3.93	\$0	\$0	(\$82)	\$0	\$0	\$0	\$0	\$0	\$0
52	RT	Ramp Rate	SCE	LA Basin	5-Mar-12	45	No	INC	5	16:30	20:59	108.75	\$0	\$0	(\$3,498)	\$106	(\$3,438)	\$0	\$0	\$0	\$0
53	RT	Ramp Rate	SCE	LA Basin	6-Mar-12	105-130	No	DEC	5	15:20	19:59	-102.72	\$0	\$0	\$2,366	\$0	\$0	\$0	\$0	\$0	\$0
54	RT	Ramp Rate	SCE	LA Basin	6-Mar-12	45	No	INC	7	13:53	19:59	106.04	\$0	\$0	(\$3,438)	\$113	(\$3,582)	\$0	\$0	\$0	\$0
55	RT	Ramp Rate	SCE	LA Basin	7-Mar-12	181-186	No	DEC	6	15:50	20:59	-124.11	\$0	\$0	\$2,878	\$0	\$0	\$0	\$0	\$0	\$0
56	RT	Ramp Rate	SCE	LA Basin	7-Mar-12	45	No	INC	6	15:50	20:59	42.37	\$0	\$0	(\$1,400)	\$48	(\$1,528)	\$0	\$0	\$0	\$0
57	RT	Ramp Rate	SCE	LA Basin	10-Mar-12	45	No	INC	4	17:10	20:59	45.82	\$0	\$0	(\$3,876)	\$35	(\$972)	\$0	\$0	\$0	\$0
58	RT	Ramp Rate	SCE	LA Basin	12-Mar-12	42-139	No	DEC	4	5:00	8:59	-8.40	\$0	\$0	\$33	\$0	\$0	\$0	\$0	\$0	\$0
59	RT	Ramp Rate	SCE	LA Basin	12-Mar-12	45	No	INC	4	5:00	8:59	50.23	\$0	\$0	(\$1,199)	\$30	(\$680)	\$0	\$0	\$0	\$0
60	RT	Ramp Rate	SCE	LA Basin	13-Mar-12	42-128	No	DEC	4	5:00	8:59	43.68	\$0	\$0	(\$2,339)	\$0	\$0	\$0	\$0	\$0	\$0
61	RT	Ramp Rate	SCE	LA Basin	13-Mar-12	45	No	INC	4	5:00	8:59	44.26	\$0	\$0	(\$1,091)	\$38	(\$903)	\$0	\$0	\$0	\$0
62	RT	Ramp Rate	SCE	LA Basin	14-Mar-12	109-161	No	DEC	14	7:10	20:59	-620.79	\$0	\$0	\$40,815	\$0	\$0	\$0	\$0	\$0	\$0
63	RT	Ramp Rate	SCE	LA Basin	26-Mar-12	71	Yes	INC	11	10:05	20:59	769.94	\$45,473	\$0	(\$17,958)	\$494	(\$13,802)	\$0	\$0	\$0	\$0
64	RT	Ramp Rate	SCE	LA Basin	27-Mar-12	110-161	No	DEC	17	5:20	21:59	1470.03	\$0	\$0	\$36,663	\$0	\$0	\$0	\$0	\$0	\$0
65	RT	Ramp Rate	SCE	LA Basin	27-Mar-12	45-71	Yes	INC	17	5:20	21:59	606.71	\$29,627	\$0	(\$31,985)	\$318	(\$9,148)	\$0	\$0	\$0	\$0
66	RT	Ramp Rate	SCE	LA Basin	28-Mar-12	71	Yes	INC	2	19:15	20:59	121.04	\$7,579	\$0	(\$19,654)	\$64	(\$5,849)	\$0	\$0	\$0	\$0
67	RT	Ramp Rate	SCE	LA Basin	29-Mar-12	55-129	Yes	DEC	12	7:05	18:59	-4.37	\$0	\$0	(\$2,196)	\$0	\$0	\$0	\$0	\$0	\$0
68	RT	Ramp Rate	SCE	LA Basin	29-Mar-12	27-72	Yes	INC	14	7:05	20:59	228.45	\$13,091	\$0	(\$15,330)	\$120	(\$5,694)	\$0	(\$31)	\$0	\$0
69	RT	Ramp Rate	SDG&E	San Diego	1-Mar-12	68	No	INC	14	7:20	20:59	2771.11	\$61,272	\$0	\$62,550	\$0	\$0	\$0	\$0	\$0	\$0
70	RT	Ramp Rate	SDG&E	San Diego	2-Mar-12	131	No	INC	5	16:30	20:59	-569.79	\$37,148	\$0	\$13,100	\$0	(\$2)	\$0	\$0	\$0	\$0
71	RT	Ramp Rate	SDG&E	San Diego	3-Mar-12	131	No	INC	3	20:50	22:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
72	RT	Ramp Rate	SDG&E	San Diego	4-Mar-12	131	No	INC	4	16:35	19:59	113.21	\$3,761	\$0	(\$4,296)	\$0	\$0	\$0	\$0	\$0	\$0
73	RT	Ramp Rate	SDG&E	San Diego	5-Mar-12	68	No	INC	5	15:45	19:59	-471.59	\$1,795	\$0	\$10,081	\$0	\$0	\$0	\$0	\$0	\$0
74	RT	Ramp Rate	SDG&E	San Diego	6-Mar-12	131-500	No	INC	17	5:35	21:59	559.59	\$3,006	\$0	(\$21,192)	\$697	(\$23,479)	\$0	\$0	\$0	\$0
75	RT	Ramp Rate	SDG&E	San Diego	8-Mar-12	131	No	INC	17	5:15	21:59	-107.01	\$11,062	\$0	(\$6,327)	\$0	\$0	\$0	\$0	\$0	\$0
76	RT	Ramp Rate	SDG&E	San Diego	9-Mar-12	131	No	INC	17	5:15	21:59	1054.0	\$38,149	\$0	\$23,293	\$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
												3									
77	RT	Ramp Rate	SDG&E	San Diego	10-Mar-12	68	No	INC	7	11:00	17:59	1084.68	\$16,055	\$0	\$18,665	\$0	(\$5)	\$0	\$0	\$0	\$0
78	RT	Ramp Rate	SDG&E	San Diego	11-Mar-12	131	No	INC	15	5:15	19:59	-10.59	\$0	\$0	\$435	\$1	(\$34)	\$0	\$0	\$0	\$0
79	RT	Ramp Rate	SDG&E	San Diego	12-Mar-12	68	No	INC	17	4:30	20:59	569.20	\$2,001	\$0	(\$21,590)	\$0	\$0	\$0	\$0	\$0	\$0
80	RT	Ramp Rate	SDG&E	San Diego	15-Mar-12	64	No	INC	14	7:40	20:59	666.79	\$58,622	\$0	(\$17,288)	\$12	(\$363)	\$0	\$0	\$0	\$0
81	RT	Ramp Rate	SDG&E	San Diego	16-Mar-12	63	No	INC	3	17:25	19:59	109.45	\$7,328	\$0	(\$3,194)	\$1	(\$38)	\$0	\$0	\$0	\$0
82	RT	Ramp Rate	SDG&E	San Diego	20-Mar-12	63	No	INC	17	5:00	21:59	729.32	\$68,148	\$0	(\$19,169)	\$1	(\$18)	\$0	\$0	\$0	\$0
83	RT	Ramp Rate	SDG&E	San Diego	23-Mar-12	63	No	INC	5	16:05	20:59	320.53	\$27,845	\$0	(\$7,652)	\$15	(\$445)	\$0	\$0	\$0	\$0
84	RT	Ramp Rate	SDG&E	San Diego	24-Mar-12	131	No	INC	15	7:10	21:59	1373.64	\$122,685	\$0	(\$28,115)	\$0	(\$13)	\$0	\$0	\$0	\$0
85	RT	Ramp Rate	SDG&E	San Diego	25-Mar-12	131	No	INC	8	14:30	21:59	692.24	\$55,689	\$0	(\$15,806)	\$0	(\$5)	\$0	\$0	\$0	\$0
86	RT	Ramp Rate	SDG&E	San Diego	26-Mar-12	131	No	INC	14	7:50	20:59	-728.94	\$56,700	\$0	\$5,171	\$0	\$0	\$0	\$0	\$0	\$0
87	RT	Ramp Rate	SDG&E	San Diego	27-Mar-12	131	No	INC	18	5:00	22:59	553.98	\$73,277	\$0	(\$29,153)	\$0	(\$13)	\$0	\$0	\$0	\$0
88	RT	Ramp Rate	SDG&E	San Diego	28-Mar-12	63	No	INC	16	6:35	21:59	833.03	\$61,553	\$0	(\$68,693)	\$78	(\$1,529)	\$0	\$0	(\$892)	\$0
89	RT	Ramp Rate	SDG&E	San Diego	29-Mar-12	64	No	INC	1	7:05	7:59	7.39	\$0	\$0	(\$139)	\$0	(\$4)	\$0	(\$1)	\$0	\$0
90	RT	Ramp Rate	SDG&E	San Diego	30-Mar-12	133	No	INC	5	17:40	21:59	699.51	\$57,194	\$0	(\$11,447)	\$31	(\$828)	\$0	\$0	\$0	\$0
91	RT	Ramp Rate	SDG&E	San Diego	31-Mar-12	68	No	INC	4	19:12	22:14	248.60	\$15,447	\$0	(\$6,044)	\$8	(\$156)	\$0	\$0	\$0	\$0
92	RT	Software Limitation	N/A	N/A	11-Mar-12	300	No	INC	1	7:00	7:59	550.00	\$0	\$0	(\$8,521)	\$275	\$0	\$0	\$0	\$0	\$0
93	RT	Software Limitation	N/A	N/A	14-Mar-12	160	Yes	INC	1	12:15	12:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
94	RT	Software Limitation	N/A	N/A	18-Mar-12	30	No	DEC	2	9:00	10:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
95	RT	Software Limitation	PG&E	Fresno	6-Mar-12	0	No	INC	1	10:00	10:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
96	RT	Software Limitation	PG&E	Fresno	7-Mar-12	0	Yes	INC	2	11:50	12:49	0.00	\$0	\$75	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0
97	RT	Software Limitation	PG&E	Fresno	13-Mar-12	32	Yes	INC	7	13:30	19:59	208.00	\$7,448	\$263	(\$4,171)	\$0	\$0	\$0	\$0	\$0	\$0
98	RT	Software Limitation	PG&E	Fresno	14-Mar-12	46	Yes	INC	1	22:00	22:49	38.33	\$0	\$0	(\$1,097)	\$0	\$0	\$0	\$0	\$0	\$0
99	RT	Software Limitation	PG&E	Fresno	16-Mar-12	0	Yes	INC	1	1:30	1:34	-25.25	\$0	\$0	\$489	\$0	\$0	\$0	\$0	\$0	\$0
100	RT	Software Limitation	PG&E	Fresno	18-Mar-12	8	Yes	DEC	2	14:40	15:59	-1.31	\$0	\$0	\$21	\$0	\$0	\$0	\$0	\$0	\$0
101	RT	Software Limitation	PG&E	Fresno	19-Mar-12	0	Yes	INC	2	7:30	8:24	4.67	\$0	\$120	(\$132)	\$0	\$0	\$0	\$0	\$0	\$0
102	RT	Software Limitation	PG&E	N/A	10-Mar-12	190	No	INC	2	3:50	4:59	-1.65	\$0	\$0	\$28	\$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
103	RT	Software Limitation	PG&E	N/A	14-Mar-12	0	No	DEC	3	14:19	16:59	4.85	\$0	\$0	(\$135)	(\$1)	\$0	\$11	\$0	\$0	\$0
104	RT	Software Limitation	PG&E	N/A	14-Mar-12	0	No	INC	9	9:44	17:59	-20.90	\$0	\$0	\$7,612	\$0	(\$7)	\$0	\$0	\$0	\$0
105	RT	Software Limitation	PG&E	N/A	18-Mar-12	77	Yes	DEC	2	5:35	6:19	-23.69	\$0	\$0	\$376	\$0	\$0	\$0	\$0	\$0	\$0
106	RT	Software Limitation	SCE	LA Basin	7-Mar-12	383	Yes	INC	2	12:15	13:49	-36.55	\$2,308	\$1	\$970	\$0	\$0	\$0	\$0	\$0	\$0
107	RT	Software Limitation	SCE	LA Basin	8-Mar-12	0	No	INC	11	13:00	23:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
108	RT	Software Limitation	SCE	LA Basin	13-Mar-12	47	Yes	INC	14	5:20	18:59	265.77	\$8,639	\$152	(\$4,966)	\$0	\$0	\$0	\$0	\$0	\$0
109	RT	Software Limitation	SCE	LA Basin	14-Mar-12	0	Yes	INC	2	12:45	13:44	1.58	\$133	\$0	(\$39)	\$0	\$0	\$0	\$0	\$0	\$0
110	RT	Software Limitation	SDG&E	N/A	26-Mar-12	510	No	INC	1	22:00	22:49	15.06	\$0	\$0	(\$7,155)	\$0	\$0	\$0	\$0	\$0	\$0
111	RT	Software Limitation	SDG&E	San Diego	11-Mar-12	80	Yes	INC	5	19:32	23:59	28.27	\$1,571	\$209	(\$637)	\$38	(\$169)	\$0	\$0	\$0	\$0
112	RT	Software Limitation	SDG&E	San Diego	12-Mar-12	0	Yes	INC	3	0:00	2:09	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
113	RT	Software Limitation	SDG&E	San Diego	13-Mar-12	63	No	INC	7	15:15	21:59	43.09	\$0	\$0	(\$1,304)	\$0	(\$11)	\$0	\$0	\$0	\$0
114	RT	Software Limitation	SDG&E	San Diego	14-Mar-12	45	No	INC	1	20:29	20:35	14.93	\$1,047	\$167	(\$332)	\$0	\$0	\$0	\$0	\$0	\$0
115	RT	Software Limitation	SDG&E	San Diego	16-Mar-12	0	Yes	INC	1	1:00	1:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
116	RT	SP26 Capacity	N/A	N/A	1-Mar-12	63	Yes	INC	14	10:55	23:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
117	RT	SP26 Capacity	SCE	LA Basin	2-Mar-12	0	No	INC	24	0:25	23:59	440.35	\$0	\$0	(\$13,444)	\$199	(\$6,624)	\$0	\$0	\$0	\$0
118	RT	SP26 Capacity	SDG&E	San Diego	1-Mar-12	20	No	INC	11	0:00	10:59	304.59	\$26,652	\$0	(\$7,898)	\$0	\$0	\$0	\$0	\$0	\$0
119	RT	SP26 Capacity	SDG&E	San Diego	2-Mar-12	20	No	INC	24	0:25	23:59	903.98	\$53,438	\$0	(\$21,568)	\$0	(\$2)	\$0	\$0	\$0	\$0
120	RT	Stranded A/S or RUC	N/A	N/A	17-Mar-12	131	Yes	INC	4	5:15	8:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
121	RT	Stranded A/S or RUC	N/A	N/A	18-Mar-12	131	Yes	INC	17	5:15	21:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
122	RT	Stranded A/S or RUC	N/A	N/A	19-Mar-12	12- 196	Yes	DEC	17	5:15	21:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
123	RT	Stranded A/S or RUC	N/A	N/A	19-Mar-12	63- 131	Yes	INC	17	5:15	21:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
124	RT	Stranded A/S or RUC	SCE	LA Basin	14-Mar-12	139	No	DEC	3	5:00	7:59	-89.45	\$0	\$0	\$1,932	\$0	\$0	\$0	\$0	\$0	\$0
125	RT	Stranded A/S or RUC	SCE	LA Basin	14-Mar-12	45	No	INC	3	5:00	7:59	51.71	\$0	\$0	(\$1,212)	\$28	(\$633)	\$0	\$0	\$0	\$0
126	RT	Stranded A/S or RUC	SCE	LA Basin	15-Mar-12	139- 161	No	DEC	11	10:15	20:59	-726.85	\$0	\$0	\$19,992	\$0	\$0	\$0	\$0	\$0	\$0
127	RT	Stranded A/S or RUC	SCE	LA Basin	25-Mar-12	64- 81	No	DEC	2	1:40	2:19	-57.02	\$0	\$0	\$927	\$0	\$0	\$0	\$0	\$0	\$0
128	RT	Stranded A/S or RUC	SDG&E	San Diego	13-Mar-12	68	No	INC	17	4:40	20:59	464.98	\$1,795	\$0	(\$17,139)	\$0	\$0	\$0	\$0	\$0	\$0
129	RT	Stranded A/S or RUC	SDG&E	San Diego	14-Mar-12	68	No	INC	17	4:30	20:59	350.47	\$2,001	\$0	(\$29,693)	\$0	\$0	\$0	\$0	\$0	\$0
130	RT	Stranded A/S or RUC	SDG&E	San Diego	15-Mar-12	68	No	INC	14	7:40	20:59	-349.61	\$4,265	\$0	\$8,204	\$0	\$0	\$0	\$0	\$0	\$0
131	RT	Stranded A/S or RUC	SDG&E	San Diego	17-Mar-12	131	No	INC	10	10:07	19:59	1160.42	\$84,285	\$0	(\$36,024)	\$15	(\$1,529)	\$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
132	RT	Stranded A/S or RUC	SDG&E	San Diego	20-Mar-12	68	No	INC	17	5:00	21:59	-636.07	\$2,133	\$0	\$14,403	\$0	\$0	\$0	\$0	\$0	\$0
133	RT	Stranded A/S or RUC	SDG&E	San Diego	21-Mar-12	63	No	INC	5	16:20	20:59	736.19	\$17,587	\$0	(\$16,694)	\$0	(\$2)	\$0	\$0	\$0	\$0
134	RT	Stranded A/S or RUC	SDG&E	San Diego	22-Mar-12	63	No	INC	5	6:00	10:59	172.10	\$16,854	\$0	(\$3,459)	\$0	(\$3)	\$0	\$0	\$0	\$0
135	RT	System Energy	N/A	N/A	2-Mar-12	10	No	INC	12	7:00	18:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
136	RT	System Energy	N/A	N/A	4-Mar-12	20- 40	Yes	INC	2	19:00	20:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
137	RT	System Energy	N/A	N/A	5-Mar-12	15	Yes	INC	2	8:00	9:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
138	RT	System Energy	N/A	N/A	6-Mar-12	10- 15	No	INC	8	9:00	16:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
139	RT	System Energy	N/A	N/A	7-Mar-12	25- 30	Yes	INC	4	8:00	11:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
140	RT	System Energy	N/A	N/A	12-Mar-12	274	No	INC	1	19:00	19:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
141	RT	Transmission Outage Other	PG&E	Bay Area	31-Mar-12	380	Yes	INC	13	11:00	23:59	6079.76	\$185,810	\$4,860	(\$97,557)	\$4	(\$77)	\$0	(\$9)	\$0	\$0
142	RT	Transmission Outage Other	PG&E	Fresno	31-Mar-12	325	No	INC	4	6:45	9:59	1007.50	\$12,083	\$0	(\$16,941)	\$9	(\$145)	\$0	(\$9)	\$0	\$0
143	RT	Transmission Outage Other	PG&E	N/A	30-Mar-12	140	Yes	INC	12	10:30	21:59	2321.60	\$74,400	\$0	(\$54,050)	\$0	(\$1)	\$0	(\$0)	\$0	\$0
144	RT	Transmission Outage PG&E	N/A	N/A	6-Mar-12	32- 47	Yes	INC	3	21:50	23:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
145	RT	Transmission Outage PG&E	N/A	N/A	7-Mar-12	32- 37	Yes	INC	10	0:00	9:59	0.00	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
146	RT	Transmission Outage PG&E	PG&E	Fresno	6-Mar-12	4	Yes	DEC	2	19:33	20:46	2.01	\$0	\$0	(\$42)	\$1	(\$22)	\$0	\$0	(\$4)	\$0
147	RT	Transmission Outage PG&E	PG&E	Fresno	6-Mar-12	46- 97	Yes	INC	5	19:33	23:59	364.38	\$5,700	\$883	(\$8,559)	\$162	(\$3,748)	\$0	\$0	(\$4)	\$0
148	RT	Transmission Outage PG&E	PG&E	Fresno	7-Mar-12	46	Yes	INC	17	4:50	20:59	761.55	\$14,935	\$0	(\$20,671)	\$0	\$0	\$0	\$0	\$0	\$0
149	RT	Transmission Outage PG&E	PG&E	Humboldt	26-Mar-12	105- 120	No	INC	3	21:53	23:59	107.37	\$2,800	\$71	(\$1,428)	\$29	(\$442)	\$0	\$0	(\$435)	\$0
150	RT	Transmission Outage PG&E	PG&E	N/A	1-Mar-12	14- 54	Yes	DEC	5	16:30	20:59	-306.00	\$0	\$0	\$6,896	(\$147)	\$0	\$3,476	\$0	(\$687)	\$0
151	RT	Transmission Outage PG&E	PG&E	N/A	1-Mar-12	66	Yes	INC	5	16:30	20:59	-5.77	\$0	\$0	\$116	\$0	\$0	\$0	\$0	\$0	\$0
152	RT	Transmission Outage PG&E	PG&E	N/A	20-Mar-12	5- 10	No	DEC	13	6:50	18:59	-185.30	\$0	\$0	\$3,334	(\$11)	\$0	\$245	\$0	(\$188)	\$0
153	RT	Transmission Outage PG&E	PG&E	Sierra	2-Mar-12	10	No	INC	2	6:30	7:09	6.67	\$0	\$0	(\$204)	\$7	(\$204)	\$0	\$0	\$0	\$0
154	RT	Transmission Outage PG&E	PG&E	Sierra	4-Mar-12	5	No	INC	2	18:15	19:29	9.21	\$0	\$0	(\$259)	\$8	(\$234)	\$0	\$0	\$0	\$0
155	RT	Transmission Outage PG&E	PG&E	Sierra	7-Mar-12	5	No	INC	2	6:35	7:14	3.34	\$0	\$0	(\$131)	\$3	(\$131)	\$0	\$0	\$0	\$0
156	RT	Transmission Outage PG&E	PG&E	Sierra	21-Mar-12	20	Yes	INC	3	10:20	12:19	40.42	\$903	\$147	(\$824)	\$0	\$0	\$0	\$0	\$0	\$0
157	RT	Transmission Outage PG&E	PG&E	Sierra	27-Mar-12	20	Yes	INC	15	7:20	21:59	327.37	\$15,176	\$349	(\$10,618)	\$0	\$0	\$0	\$0	\$0	\$0
158	RT	Transmission Outage PG&E	PG&E	Sierra	28-Mar-12	20	Yes	INC	12	6:55	17:59	227.38	\$11,382	\$324	(\$4,564)	\$0	\$0	\$0	\$0	\$0	\$0
159	RT	Transmission Outage PG&E	PG&E	Sierra	29-Mar-12	20	Yes	INC	13	6:40	18:29	303.35	\$12,466	\$324	(\$12,452)	\$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
160	RT	Transmission Outage SCE	N/A	N/A	1-Mar-12	65- 93	No	INC	24	0:00	23:59	1600.67	\$0	\$0	(\$34,367)	\$0	\$0	\$0	\$0	\$0	\$0
161	RT	Transmission Outage SCE	N/A	N/A	2-Mar-12	71- 113	Yes	INC	24	0:00	23:59	331.83	\$0	\$0	(\$8,837)	\$0	\$0	\$0	\$0	\$0	\$0
162	RT	Transmission Outage SCE	N/A	N/A	3-Mar-12	109-140	No	INC	24	0:00	23:59	-141.32	\$0	\$0	\$2,776	\$0	\$0	\$0	\$0	\$0	\$0
163	RT	Transmission Outage SCE	N/A	N/A	4-Mar-12	134-140	No	INC	24	0:00	23:59	-5.09	\$0	\$0	(\$49)	\$0	\$0	\$0	\$0	\$0	\$0
164	RT	Transmission Outage SCE	N/A	N/A	5-Mar-12	93- 140	No	INC	24	0:00	23:59	52.22	\$0	\$0	(\$40)	\$0	\$0	\$0	\$0	\$0	\$0
165	RT	Transmission Outage SCE	N/A	N/A	6-Mar-12	91- 105	Yes	INC	24	0:00	23:59	850.25	\$0	\$0	(\$13,791)	\$0	\$0	\$0	\$0	\$0	\$0
166	RT	Transmission Outage SCE	N/A	N/A	7-Mar-12	91- 130	No	INC	24	0:00	23:58	-379.41	\$0	\$0	\$13,516	\$0	\$0	\$0	\$0	\$0	\$0
167	RT	Transmission Outage SCE	N/A	N/A	8-Mar-12	97- 129	No	INC	24	0:00	23:58	-749.62	\$0	\$0	\$17,511	\$0	\$0	\$0	\$0	\$0	\$0
168	RT	Transmission Outage SCE	N/A	N/A	9-Mar-12	91- 140	No	INC	24	0:00	23:58	-197.48	\$0	\$0	\$4,219	\$0	\$0	\$0	\$0	\$0	\$0
169	RT	Transmission Outage SCE	N/A	N/A	10-Mar-12	91- 109	No	INC	24	0:00	23:58	140.87	\$0	\$0	(\$2,832)	\$0	\$0	\$0	\$0	\$0	\$0
170	RT	Transmission Outage SCE	N/A	N/A	11-Mar-12	91- 140	No	INC	23	1:00	23:58	-12.59	\$0	\$0	\$250	\$0	\$0	\$0	\$0	\$0	\$0
171	RT	Transmission Outage SCE	N/A	N/A	12-Mar-12	93- 130	No	INC	24	0:00	23:58	19.19	\$0	\$0	\$1,959	\$0	\$0	\$0	\$0	\$0	\$0
172	RT	Transmission Outage SCE	N/A	N/A	13-Mar-12	91- 127	No	INC	24	0:00	23:58	30.47	\$0	\$0	\$1,032	\$0	\$0	\$0	\$0	\$0	\$0
173	RT	Transmission Outage SCE	N/A	N/A	14-Mar-12	91- 118	No	INC	24	0:00	23:58	516.35	\$0	\$0	(\$17,151)	\$0	\$0	\$0	\$0	\$0	\$0
174	RT	Transmission Outage SCE	N/A	N/A	15-Mar-12	91- 105	No	INC	24	0:00	23:58	471.61	\$0	\$0	(\$2,133)	\$0	\$0	\$0	\$0	\$0	\$0
175	RT	Transmission Outage SCE	N/A	N/A	16-Mar-12	91- 121	No	INC	24	0:00	23:58	513.36	\$0	\$0	(\$7,772)	\$0	\$0	\$0	\$0	\$0	\$0
176	RT	Transmission Outage SCE	N/A	N/A	17-Mar-12	91- 140	No	INC	24	0:00	23:58	421.30	\$0	\$0	(\$34,807)	\$0	\$0	\$0	\$0	\$0	\$0
177	RT	Transmission Outage SCE	N/A	N/A	18-Mar-12	91- 105	No	INC	24	0:00	23:58	117.65	\$0	\$0	(\$3,962)	\$0	\$0	\$0	\$0	\$0	\$0
178	RT	Transmission Outage SCE	N/A	N/A	19-Mar-12	91- 105	No	INC	24	0:00	23:58	615.45	\$0	\$0	(\$12,580)	\$0	\$0	\$0	\$0	\$0	\$0
179	RT	Transmission Outage SCE	N/A	N/A	20-Mar-12	91- 140	No	INC	24	0:00	23:58	-146.40	\$0	\$0	\$4,037	\$0	\$0	\$0	\$0	\$0	\$0
180	RT	Transmission Outage SCE	N/A	N/A	21-Mar-12	93- 139	No	INC	24	0:00	23:58	146.10	\$0	\$0	(\$557)	\$0	\$0	\$0	\$0	\$0	\$0
181	RT	Transmission Outage SCE	N/A	N/A	22-Mar-12	93- 134	Yes	INC	24	0:00	23:58	-347.94	\$0	\$0	\$5,127	\$0	\$0	\$0	\$0	\$0	\$0
182	RT	Transmission Outage SCE	N/A	N/A	23-Mar-12	97- 138	No	INC	24	0:00	23:58	86.69	\$0	\$0	(\$2,702)	\$0	\$0	\$0	\$0	\$0	\$0
183	RT	Transmission Outage SCE	N/A	N/A	24-Mar-12	133-140	No	INC	24	0:00	23:58	310.51	\$0	\$0	(\$5,845)	\$0	\$0	\$0	\$0	\$0	\$0
184	RT	Transmission Outage SCE	N/A	N/A	25-Mar-12	93- 140	No	INC	24	0:00	23:58	-54.29	\$0	\$0	\$2,143	\$0	\$0	\$0	\$0	\$0	\$0
185	RT	Transmission Outage SCE	N/A	N/A	26-Mar-12	91- 132	No	INC	24	0:00	23:58	-290.00	\$0	\$0	\$6,697	\$0	\$0	\$0	\$0	\$0	\$0
186	RT	Transmission Outage SCE	N/A	N/A	27-Mar-12	93- 138	No	INC	24	0:00	23:58	-369.91	\$0	\$0	\$15,367	\$0	\$0	\$0	\$0	\$0	\$0
187	RT	Transmission Outage SCE	N/A	N/A	28-Mar-12	91- 105	No	INC	24	0:00	23:58	519.14	\$0	\$0	(\$36,441)	\$0	\$0	\$0	\$0	\$0	\$0
188	RT	Transmission Outage SCE	N/A	N/A	29-Mar-12	91- 105	No	INC	24	0:00	23:58	199.19	\$0	\$0	(\$10,86	\$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
															5)						
189	RT	Transmission Outage SCE	N/A	N/A	30-Mar-12	91- 140	No	INC	24	0:00	23:58	75.85	\$0	\$0	(\$1,704)	\$0	\$0	\$0	\$0	\$0	\$0
190	RT	Transmission Outage SCE	N/A	N/A	31-Mar-12	91- 139	No	INC	24	0:00	23:58	385.87	\$0	\$0	(\$1,094)	\$0	\$0	\$0	\$0	\$0	\$0
191	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	9-Mar-12	15	No	INC	2	6:37	7:04	6.20	\$0	\$0	(\$125)	\$5	(\$108)	\$0	\$0	\$0	\$0
192	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	25-Mar-12	140	Yes	INC	21	0:00	20:59	4384.62	\$171,370	\$0	(\$84,241)	\$0	(\$0)	\$0	\$0	(\$0)	\$0
193	RT	Transmission Outage SCE	SCE	Big Creek-Ventura	30-Mar-12	55	No	INC	12	6:00	17:59	860.75	\$0	\$0	(\$25,875)	\$669	(\$15,491)	\$0	\$0	(\$660)	\$0
194	RT	Transmission Outage SCE	SCE	LA Basin	1-Mar-12	2- 217	No	DEC	24	0:00	23:59	1870.71	\$0	\$0	\$42,684	(\$1,351)	\$0	\$30,807	\$0	(\$21,142)	\$0
195	RT	Transmission Outage SCE	SCE	LA Basin	1-Mar-12	60- 215	No	INC	24	0:00	23:59	2140.44	\$0	\$0	(\$43,377)	\$0	\$0	\$0	\$0	\$0	\$0
196	RT	Transmission Outage SCE	SCE	LA Basin	2-Mar-12	138- 274	No	INC	24	0:00	23:59	1464.48	\$0	\$0	(\$34,230)	\$0	\$0	\$0	\$0	\$0	\$0
197	RT	Transmission Outage SCE	SCE	LA Basin	3-Mar-12	317- 335	No	INC	24	0:00	23:59	450.07	\$0	\$0	(\$9,214)	\$0	\$0	\$0	\$0	\$0	\$0
198	RT	Transmission Outage SCE	SCE	LA Basin	4-Mar-12	322- 335	No	INC	24	0:00	23:59	421.18	\$0	\$0	(\$9,181)	\$0	\$0	\$0	\$0	\$0	\$0
199	RT	Transmission Outage SCE	SCE	LA Basin	5-Mar-12	3- 10	No	DEC	24	0:00	23:59	-128.27	\$0	\$0	(\$38)	(\$25)	\$0	(\$98)	\$0	(\$143)	\$0
200	RT	Transmission Outage SCE	SCE	LA Basin	5-Mar-12	62- 335	No	INC	24	0:00	23:59	1360.44	\$0	\$0	\$21,642	\$0	\$0	\$0	\$0	\$0	\$0
201	RT	Transmission Outage SCE	SCE	LA Basin	6-Mar-12	12- 235	No	DEC	24	0:00	23:59	4002.61	\$0	\$0	\$73,126	(\$3,516)	\$0	\$65,647	\$0	(\$44,020)	\$0
202	RT	Transmission Outage SCE	SCE	LA Basin	6-Mar-12	9- 89	No	INC	24	0:00	23:59	-621.83	\$0	\$0	\$8,701	\$0	\$0	\$0	\$0	\$0	\$0
203	RT	Transmission Outage SCE	SCE	LA Basin	7-Mar-12	19- 154	No	DEC	24	0:00	23:58	-540.88	\$0	\$0	\$13,097	(\$395)	\$0	\$9,287	\$0	(\$8,419)	\$0
204	RT	Transmission Outage SCE	SCE	LA Basin	7-Mar-12	7- 256	No	INC	24	0:00	23:58	-171.75	\$0	\$0	\$10,143	\$0	\$0	\$0	\$0	\$0	\$0
205	RT	Transmission Outage SCE	SCE	LA Basin	8-Mar-12	277- 335	No	INC	24	0:00	23:58	-106.44	\$0	\$0	\$1,991	\$0	\$0	\$0	\$0	\$0	\$0
206	RT	Transmission Outage SCE	SCE	LA Basin	9-Mar-12	10- 202	No	DEC	24	0:00	23:58	-624.54	\$0	\$0	\$10,749	(\$305)	\$0	\$5,164	\$0	(\$2,945)	\$0
207	RT	Transmission Outage SCE	SCE	LA Basin	9-Mar-12	42- 335	No	INC	24	0:00	23:58	-896.97	\$0	\$0	\$17,746	\$0	\$0	\$0	\$0	\$0	\$0
208	RT	Transmission Outage SCE	SCE	LA Basin	10-Mar-12	17- 209	No	DEC	24	0:00	23:58	2744.44	\$0	\$0	\$37,579	(\$1,327)	\$0	\$14,469	\$0	(\$11,755)	\$0
209	RT	Transmission Outage SCE	SCE	LA Basin	10-Mar-12	10- 334	No	INC	24	0:00	23:58	-518.41	\$0	\$0	\$7,786	\$0	\$0	\$0	\$0	\$0	\$0
210	RT	Transmission Outage SCE	SCE	LA Basin	11-Mar-12	2- 79	No	DEC	23	1:00	23:58	-914.09	\$0	\$0	\$11,801	(\$321)	\$0	\$3,532	\$0	(\$1,134)	\$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
211	RT	Transmission Outage SCE	SCE	LA Basin	11-Mar-12	33- 335	No	INC	23	1:00	23:58	2307.58	\$0	\$0	\$38,859	\$0	\$0	\$542	\$0	(\$349)	\$0
212	RT	Transmission Outage SCE	SCE	LA Basin	12-Mar-12	2- 38	No	DEC	24	0:00	23:58	-252.76	\$0	\$0	\$4,256	(\$78)	\$0	\$944	\$0	(\$853)	\$0
213	RT	Transmission Outage SCE	SCE	LA Basin	12-Mar-12	100-224	No	INC	24	0:00	23:58	1861.51	\$0	\$0	\$37,388	\$0	\$0	\$0	\$0	\$0	\$0
214	RT	Transmission Outage SCE	SCE	LA Basin	13-Mar-12	106-214	No	INC	24	0:00	23:58	1240.12	\$0	\$0	\$17,565	\$0	\$0	\$0	\$0	\$0	\$0
215	RT	Transmission Outage SCE	SCE	LA Basin	14-Mar-12	1- 116	No	DEC	24	0:00	23:58	-790.54	\$0	\$0	\$17,850	(\$448)	\$0	\$9,631	\$0	(\$4,644)	\$0
216	RT	Transmission Outage SCE	SCE	LA Basin	14-Mar-12	13- 162	No	INC	24	0:00	23:58	-609.83	\$0	\$0	\$14,043	\$0	\$0	\$0	\$0	\$0	\$0
217	RT	Transmission Outage SCE	SCE	LA Basin	15-Mar-12	14- 219	No	DEC	24	0:00	23:58	3075.92	\$0	\$0	\$46,388	(\$2,528)	\$0	\$39,106	\$0	(\$23,648)	\$0
218	RT	Transmission Outage SCE	SCE	LA Basin	15-Mar-12	275	No	INC	24	0:00	23:58	897.50	\$0	\$0	\$50,421	\$0	\$0	\$0	\$0	\$0	\$0
219	RT	Transmission Outage SCE	SCE	LA Basin	16-Mar-12	31- 165	No	DEC	24	0:00	23:58	1628.29	\$0	\$0	\$27,091	(\$1,357)	\$0	\$22,480	\$0	(\$14,942)	\$0
220	RT	Transmission Outage SCE	SCE	LA Basin	16-Mar-12	7- 332	No	INC	24	0:00	23:58	2241.33	\$0	\$0	(\$40,294)	\$0	\$0	\$0	\$0	\$0	\$0
221	RT	Transmission Outage SCE	SCE	LA Basin	17-Mar-12	5- 132	No	DEC	24	0:00	23:58	1447.33	\$0	\$0	\$76,108	(\$860)	\$0	\$44,278	\$0	(\$38,130)	\$0
222	RT	Transmission Outage SCE	SCE	LA Basin	17-Mar-12	2- 325	No	INC	24	0:00	23:58	1450.70	\$0	\$0	(\$14,853)	\$0	\$0	\$0	\$0	\$0	\$0
223	RT	Transmission Outage SCE	SCE	LA Basin	18-Mar-12	45- 235	No	DEC	24	0:00	23:58	3704.23	\$0	\$0	\$86,968	(\$3,114)	\$0	\$76,828	\$0	(\$51,170)	\$0
224	RT	Transmission Outage SCE	SCE	LA Basin	18-Mar-12	1- 308	No	INC	24	0:00	23:58	-327.51	\$0	\$0	\$3,484	\$0	\$0	\$0	\$0	\$0	\$0
225	RT	Transmission Outage SCE	SCE	LA Basin	19-Mar-12	1- 235	No	DEC	24	0:00	23:58	4271.69	\$0	\$0	\$84,421	(\$3,686)	\$0	\$73,117	\$0	(\$45,088)	\$0
226	RT	Transmission Outage SCE	SCE	LA Basin	19-Mar-12	14- 195	No	INC	24	0:00	23:58	457.87	\$0	\$0	(\$10,179)	\$0	\$0	\$0	\$0	\$0	\$0
227	RT	Transmission Outage SCE	SCE	LA Basin	20-Mar-12	11- 136	No	DEC	24	0:00	23:58	-655.14	\$0	\$0	\$10,519	(\$374)	\$0	\$5,950	\$0	(\$3,384)	\$0
228	RT	Transmission Outage SCE	SCE	LA Basin	20-Mar-12	12- 335	No	INC	24	0:00	23:58	-337.54	\$0	\$0	\$4,120	\$0	\$0	\$0	\$0	\$0	\$0
229	RT	Transmission Outage SCE	SCE	LA Basin	21-Mar-12	5- 25	No	DEC	24	0:00	23:58	-174.50	\$0	\$0	\$2,086	(\$60)	\$0	\$722	\$0	(\$25)	\$0
230	RT	Transmission Outage SCE	SCE	LA Basin	21-Mar-12	17- 335	No	INC	24	0:00	23:58	-104.02	\$0	\$0	(\$1,698)	\$0	\$0	\$0	\$0	\$0	\$0
231	RT	Transmission Outage SCE	SCE	LA Basin	22-Mar-12	113-	No	INC	24	0:00	23:58	-20.28	\$0	\$0	\$4,041	\$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
						331															
232	RT	Transmission Outage SCE	SCE	LA Basin	23-Mar-12	3- 9	No	DEC	24	0:00	23:58	-144.20	\$0	\$0	\$353	(\$17)	\$0	(\$3)	\$0	(\$124)	\$0
233	RT	Transmission Outage SCE	SCE	LA Basin	23-Mar-12	87- 295	No	INC	24	0:00	23:58	-160.26	\$0	\$0	(\$3,405)	\$0	\$0	\$0	\$0	\$0	\$0
234	RT	Transmission Outage SCE	SCE	LA Basin	24-Mar-12	245-379	Yes	INC	24	0:00	23:59	1878.59	\$149,049	\$0	(\$36,218)	\$0	(\$8)	\$0	\$0	(\$3)	\$0
235	RT	Transmission Outage SCE	SCE	LA Basin	25-Mar-12	29- 72	No	DEC	24	0:00	23:58	-671.43	\$0	\$0	\$14,347	(\$197)	\$0	\$4,093	\$0	(\$3,254)	\$0
236	RT	Transmission Outage SCE	SCE	LA Basin	25-Mar-12	60- 360	Yes	INC	24	0:00	23:59	1492.30	\$100,593	\$0	(\$23,453)	\$0	(\$5)	\$0	\$0	(\$3)	\$0
237	RT	Transmission Outage SCE	SCE	LA Basin	26-Mar-12	192-380	Yes	INC	24	0:00	23:59	1830.27	\$140,271	\$15,548	(\$54,248)	\$495	(\$13,809)	\$0	\$0	(\$3)	\$0
238	RT	Transmission Outage SCE	SCE	LA Basin	27-Mar-12	41- 111	No	DEC	3	9:59	11:59	-293.12	\$0	\$0	\$7,489	\$0	\$0	\$0	\$0	\$0	\$0
239	RT	Transmission Outage SCE	SCE	LA Basin	27-Mar-12	206-384	Yes	INC	24	0:00	23:59	2237.32	\$199,698	\$0	(\$104,439)	\$311	(\$8,970)	\$0	\$0	(\$3)	\$0
240	RT	Transmission Outage SCE	SCE	LA Basin	28-Mar-12	13- 157	No	DEC	24	0:00	23:58	-2758.11	\$0	\$0	\$143,140	(\$1,720)	\$0	\$84,559	\$0	(\$54,740)	\$0
241	RT	Transmission Outage SCE	SCE	LA Basin	28-Mar-12	45- 271	Yes	INC	24	0:00	23:59	395.07	\$109,810	\$13,306	(\$95,255)	\$64	(\$5,859)	\$0	\$0	(\$2)	\$0
242	RT	Transmission Outage SCE	SCE	LA Basin	29-Mar-12	11- 235	No	DEC	24	0:00	23:58	-3249.56	\$0	\$0	\$73,826	(\$2,463)	\$0	\$61,690	\$0	(\$39,172)	\$0
243	RT	Transmission Outage SCE	SCE	LA Basin	29-Mar-12	25- 301	Yes	INC	24	0:00	23:59	2590.70	\$33,773	\$0	(\$193,204)	\$675	(\$17,438)	\$0	(\$7,140)	\$0	\$0
244	RT	Transmission Outage SCE	SCE	LA Basin	30-Mar-12	10- 223	No	DEC	24	0:00	23:58	-1859.23	\$0	\$0	\$30,446	(\$1,410)	\$0	\$25,962	\$0	(\$20,354)	\$0
245	RT	Transmission Outage SCE	SCE	LA Basin	30-Mar-12	6- 334	No	INC	24	0:00	23:58	-608.86	\$0	\$0	(\$255)	\$0	\$0	\$0	\$0	\$0	\$0
246	RT	Transmission Outage SCE	SCE	LA Basin	31-Mar-12	10- 235	No	DEC	24	0:00	23:58	-795.37	\$0	\$0	(\$34,781)	(\$711)	\$0	(\$33,110)	\$0	(\$3,125)	\$0
247	RT	Transmission Outage SCE	SCE	LA Basin	31-Mar-12	18- 267	No	INC	24	0:00	23:58	247.06	\$0	\$0	(\$30,726)	\$0	\$0	\$0	\$0	\$0	\$0
248	RT	Transmission Outage SCE	SCE	N/A	1-Mar-12	5- 145	No	DEC	15	6:53	20:59	-1155.94	\$0	\$0	\$20,149	(\$664)	\$0	\$14,812	\$0	(\$2,468)	\$0
249	RT	Transmission Outage SCE	SCE	N/A	1-Mar-12	6- 70	No	INC	12	6:43	17:15	-31.87	\$0	\$0	\$664	(\$26)	\$0	\$645	\$0	(\$138)	\$0
250	RT	Transmission Outage SCE	SCE	N/A	14-Mar-12	14- 45	No	DEC	2	10:16	11:59	-103.06	\$0	\$0	\$3,005	(\$59)	\$0	\$1,727	\$0	(\$429)	\$0
251	RT	Transmission Outage SCE	SCE	N/A	21-Mar-12	11- 70	No	DEC	9	10:05	18:59	-158.10	\$0	\$0	\$3,069	(\$151)	\$0	\$2,947	\$0	(\$666)	\$0
252	RT	Transmission Outage SCE	SCE	N/A	21-Mar-12	29- 33	No	INC	4	15:20	18:59	-1.57	\$0	\$0	\$31	(\$0)	\$0	\$3	\$0	(\$1)	\$0
253	RT	Transmission Outage SCE	SCE	N/A	27-Mar-12	28- 60	No	DEC	6	16:05	21:59	-205.20	\$0	\$0	\$9,354	(\$195)	\$0	\$9,140	\$0	(\$5,295)	\$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
254	RT	Transmission Outage SCE	SCE	N/A	27-Mar-12	160	No	INC	6	16:05	21:59	36.71	\$0	\$0	(\$783)	\$0	\$0	\$0	\$0	\$0	\$0
255	RT	Transmission Outage SDG&E	SDG&E	N/A	1-Mar-12	311	No	INC	2	9:40	10:59	-136.04	\$0	\$0	\$265	(\$73)	\$0	\$637	\$0	(\$228)	\$0
256	RT	Transmission Outage SDG&E	SDG&E	San Diego	1-Mar-12	350-450	No	INC	2	21:57	22:45	-132.45	\$1,192	\$0	\$2,934	(\$44)	\$0	\$1,080	\$0	(\$221)	\$0
257	RT	Transmission Outage SDG&E	SDG&E	San Diego	12-Mar-12	350-400	No	INC	7	1:52	7:59	1035.11	\$41,058	\$0	\$17,422	(\$398)	\$0	\$9,138	\$0	(\$2,609)	\$0
258	RT	Transmission Outage SDG&E	SDG&E	San Diego	15-Mar-12	132	No	INC	3	5:50	7:59	-32.91	\$7,490	\$0	\$849	\$1	(\$39)	\$0	\$0	(\$4)	\$0
259	RT	Unit Testing	PG&E	N/A	21-Mar-12	400-750	No	INC	3	12:30	14:59	1107.57	\$0	\$0	(\$21,938)	\$377	(\$7,722)	\$0	\$0	\$0	\$0
260	RT	Unit Testing	PG&E	N/A	26-Mar-12	50	No	INC	1	9:03	9:42	26.57	\$0	\$0	(\$512)	\$6	(\$139)	\$0	\$0	\$0	\$0
261	RT	Voltage Support	PG&E	Fresno	25-Mar-12	303	No	DEC	1	2:00	2:59	-303.00	\$0	\$0	\$4,011	\$0	\$0	\$0	\$0	\$0	\$0
262	RT	Weather	PG&E	Humboldt	13-Mar-12	29- 105	No	INC	17	0:00	16:04	677.31	\$19,425	\$39	(\$16,366)	\$142	(\$3,006)	\$0	\$0	(\$971)	\$0

Appendix A: Explanation by Example

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

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

Example 1: Exceptional Dispatch Instructions Prior to DAM

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

Table 2: Instructions Prior to Day-Ahead Market

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

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

Table 3: FERC Summary of Instructions Prior to DAM

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

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

Example 2: Incremental Exceptional Dispatch Instructions in RTM

In this fictitious example the ISO issued an exceptional dispatch instruction to resource A to be committed at its Pmin of 30 MW from hours ending 7 through 11 after completion of the day-ahead market for the transmission procedure 7110. This resource did not have a day-ahead award in those hours. The ISO issued another exceptional dispatch instruction to resource B, to be dispatched at 40 MW from hours ending 8 through 9 in real-time for the transmission procedure 7110. This resource had a day-ahead schedule of 20 MW from the day-ahead market, which implies that this exceptional dispatch instruction was an incremental instruction and the exceptional dispatch MW was 20 MW. Similarly, the details of exceptional dispatch (ED) instruction for resource C is shown in Table 4. This table also shows volume (MWh) and various real-time charge codes associated with the exceptional dispatch instructions. The total MWh column for each resource shows the sum of all types of imbalance energy quantities for this resource between the begin time and end time which includes both the exceptional dispatch energy quantities and optimal energy quantities.

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

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

Table 4: Incremental Exceptional Dispatch Instructions in RTM

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

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

Table 5: FERC Summary of ED Instructions in RTM

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

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

Example 3: Decremental Exceptional Dispatch Instructions in RTM

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

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

Table 6: Decremental Exceptional Dispatch Instructions in RTM

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

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

Table 7: FERC Summary of Decremental ED Instructions in RTM

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

Appendix B: Price Impact Analysis

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

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

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

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

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

Table 8 shows the price impact analysis information for node A, which is located in the PG&E area. This table shows all the five minute intervals in which the resource at PNode A was issued an exceptional dispatch instruction. Out of the 8,916 five-minute intervals in March, this resource was issued exceptional dispatch instructions in 408 five-minute intervals. This resource was eligible to set the LMP in all 408 intervals. Resource calculated LMP was larger than the market LMP in 407 of the 408 intervals. In the 407 intervals, the average increase in five minute LMP was \$83.89/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 \$83.89/MWh. Note that 407 five minute intervals are approximately 4.56 percent of the total 8,916 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 8,916 five minute intervals, this resource was issued an exceptional dispatch instruction in 967 five minute intervals. It was eligible to set the LMP in 840 intervals. Out of the 840 intervals, resource calculated LMP was larger than the market LMP in 833 intervals. In the 833 intervals, the average increase in five minute LMP was \$621.41/MWh. This implies that if the ISO was able to model the constraint for this exceptional dispatch, then this resource and all other pricing nodes associated with that constraint would observe an average increase of \$621.41/MWh. The 833 five minute intervals account for approximately 9.34 percent of the total 8,916 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	17-Mar-12	17	1	\$21.67	Yes	\$60.99	\$39.32
2	17-Mar-12	17	2	\$23.64	Yes	\$60.99	\$37.35
3	17-Mar-12	17	3	\$23.35	Yes	\$60.99	\$37.64
4	17-Mar-12	17	4	\$24.24	Yes	\$60.99	\$36.75
5	17-Mar-12	17	5	\$24.24	Yes	\$60.99	\$36.75
6	17-Mar-12	17	6	\$23.94	Yes	\$60.99	\$37.05
7	17-Mar-12	17	7	\$24.62	Yes	\$60.99	\$36.37
8	17-Mar-12	17	8	\$23.74	Yes	\$60.99	\$37.25
9	17-Mar-12	17	9	\$24.12	Yes	\$60.99	\$36.87
10	17-Mar-12	17	10	\$22.04	Yes	\$60.99	\$38.95
11	17-Mar-12	17	11	\$20.92	Yes	\$60.99	\$40.07
12	17-Mar-12	17	12	\$20.46	Yes	\$60.99	\$40.53
13	17-Mar-12	18	1	\$19.60	Yes	\$125.00	\$105.40
14	17-Mar-12	18	2	\$17.56	Yes	\$125.00	\$107.44
15	17-Mar-12	18	3	\$18.39	Yes	\$125.00	\$106.61
16	17-Mar-12	18	4	\$18.38	Yes	\$125.00	\$106.62
17	17-Mar-12	18	5	\$19.32	Yes	\$125.00	\$105.68
18	17-Mar-12	18	6	\$20.23	Yes	\$125.00	\$104.77
19	17-Mar-12	18	7	\$20.24	Yes	\$125.00	\$104.76
20	17-Mar-12	18	8	\$20.69	Yes	\$125.00	\$104.31
21	17-Mar-12	18	9	\$20.46	Yes	\$125.00	\$104.54
22	17-Mar-12	18	10	\$18.88	Yes	\$125.00	\$106.12
23	17-Mar-12	18	11	\$18.38	Yes	\$125.00	\$106.62
24	17-Mar-12	18	12	\$18.69	Yes	\$125.00	\$106.31
25	17-Mar-12	19	1	\$18.36	Yes	\$125.00	\$106.64
26	17-Mar-12	19	2	\$17.52	Yes	\$125.00	\$107.48
27	17-Mar-12	19	3	\$17.35	Yes	\$125.00	\$107.65
28	17-Mar-12	19	4	\$17.43	Yes	\$125.00	\$107.57
29	17-Mar-12	19	5	\$18.37	Yes	\$125.00	\$106.63
30	17-Mar-12	19	6	\$20.49	Yes	\$125.00	\$104.51
31	17-Mar-12	19	7	\$21.49	Yes	\$125.00	\$103.51
32	17-Mar-12	19	8	\$19.92	Yes	\$125.00	\$105.08
33	17-Mar-12	19	9	\$22.67	Yes	\$125.00	\$102.33
34	17-Mar-12	19	10	\$20.80	Yes	\$125.00	\$104.20
35	17-Mar-12	19	11	\$22.05	Yes	\$125.00	\$102.95
36	17-Mar-12	19	12	\$25.24	Yes	\$125.00	\$99.76
37	17-Mar-12	20	1	\$20.64	Yes	\$125.00	\$104.36
38	17-Mar-12	20	2	\$20.64	Yes	\$125.00	\$104.36
39	17-Mar-12	20	3	\$22.92	Yes	\$125.00	\$102.08
40	17-Mar-12	20	4	\$24.63	Yes	\$125.00	\$100.37
41	17-Mar-12	20	5	\$30.53	Yes	\$125.00	\$94.47
42	17-Mar-12	20	6	\$34.85	Yes	\$125.00	\$90.15

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
43	17-Mar-12	20	7	\$40.02	Yes	\$125.00	\$84.98
44	17-Mar-12	20	8	\$39.07	Yes	\$125.00	\$85.93
45	17-Mar-12	20	9	\$37.30	Yes	\$125.00	\$87.70
46	17-Mar-12	20	10	\$38.85	Yes	\$125.00	\$86.15
47	17-Mar-12	20	11	\$36.78	Yes	\$125.00	\$88.22
48	17-Mar-12	20	12	\$27.92	Yes	\$125.00	\$97.08
49	17-Mar-12	21	1	\$28.74	Yes	\$125.00	\$96.26
50	17-Mar-12	21	2	\$28.27	Yes	\$125.00	\$96.73
51	17-Mar-12	21	3	\$25.58	Yes	\$125.00	\$99.42
52	17-Mar-12	21	4	\$23.88	Yes	\$125.00	\$101.12
53	17-Mar-12	21	5	\$25.54	Yes	\$125.00	\$99.46
54	17-Mar-12	21	6	\$28.29	Yes	\$125.00	\$96.71
55	17-Mar-12	21	7	\$28.59	Yes	\$125.00	\$96.41
56	17-Mar-12	21	8	\$125.00	Yes	\$125.00	\$0.00
57	17-Mar-12	21	9	\$125.00	Yes	\$125.00	\$0.00
58	17-Mar-12	21	10	\$77.52	Yes	\$125.00	\$47.48
59	17-Mar-12	21	11	\$29.55	Yes	\$125.00	\$95.45
60	17-Mar-12	21	12	\$25.08	Yes	\$125.00	\$99.92
61	17-Mar-12	22	1	\$55.48	Yes	\$125.00	\$69.52
62	17-Mar-12	22	2	\$33.86	Yes	\$125.00	\$91.14
63	17-Mar-12	22	3	\$23.51	Yes	\$125.00	\$101.49
64	17-Mar-12	22	4	\$23.85	Yes	\$125.00	\$101.15
65	17-Mar-12	22	5	\$27.17	Yes	\$125.00	\$97.83
66	17-Mar-12	22	6	\$23.85	Yes	\$125.00	\$101.15
67	17-Mar-12	22	7	\$23.28	Yes	\$125.00	\$101.72
68	17-Mar-12	22	8	\$22.84	Yes	\$125.00	\$102.16
69	17-Mar-12	22	9	\$21.60	Yes	\$125.00	\$103.40
70	17-Mar-12	22	10	\$20.95	Yes	\$125.00	\$104.05
71	17-Mar-12	22	11	\$19.44	Yes	\$125.00	\$105.56
72	17-Mar-12	22	12	\$18.68	Yes	\$125.00	\$106.32
73	17-Mar-12	23	1	\$49.76	Yes	\$125.00	\$75.24
74	17-Mar-12	23	2	\$36.74	Yes	\$125.00	\$88.26
75	17-Mar-12	23	3	\$27.56	Yes	\$125.00	\$97.44
76	17-Mar-12	23	4	\$27.71	Yes	\$125.00	\$97.29
77	17-Mar-12	23	5	\$27.71	Yes	\$125.00	\$97.29
78	17-Mar-12	23	6	\$23.77	Yes	\$125.00	\$101.23
79	17-Mar-12	23	7	\$23.35	Yes	\$125.00	\$101.65
80	17-Mar-12	23	8	\$21.54	Yes	\$125.00	\$103.46
81	17-Mar-12	23	9	\$23.31	Yes	\$125.00	\$101.69
82	17-Mar-12	23	10	\$21.53	Yes	\$125.00	\$103.47
83	17-Mar-12	23	11	\$20.69	Yes	\$125.00	\$104.31
84	17-Mar-12	23	12	\$18.43	Yes	\$125.00	\$106.57
85	17-Mar-12	24	1	\$25.68	Yes	\$125.00	\$99.32
86	17-Mar-12	24	2	\$24.29	Yes	\$125.00	\$100.71
87	17-Mar-12	24	3	\$20.69	Yes	\$125.00	\$104.31

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
88	17-Mar-12	24	4	\$25.51	Yes	\$125.00	\$99.49
89	17-Mar-12	24	5	\$25.51	Yes	\$125.00	\$99.49
90	17-Mar-12	24	6	\$18.60	Yes	\$125.00	\$106.40
91	17-Mar-12	24	7	\$16.47	Yes	\$125.00	\$108.53
92	17-Mar-12	24	8	\$16.46	Yes	\$125.00	\$108.54
93	17-Mar-12	24	9	\$16.89	Yes	\$125.00	\$108.11
94	17-Mar-12	24	10	\$17.29	Yes	\$125.00	\$107.71
95	17-Mar-12	24	11	\$17.10	Yes	\$125.00	\$107.90
96	17-Mar-12	24	12	\$16.46	Yes	\$125.00	\$108.54
97	18-Mar-12	1	1	\$25.94	Yes	\$125.00	\$99.06
98	18-Mar-12	1	2	\$28.80	Yes	\$125.00	\$96.20
99	18-Mar-12	1	3	\$28.80	Yes	\$125.00	\$96.20
100	18-Mar-12	1	4	\$23.66	Yes	\$125.00	\$101.34
101	18-Mar-12	1	5	\$24.04	Yes	\$125.00	\$100.96
102	18-Mar-12	1	6	\$23.66	Yes	\$125.00	\$101.34
103	18-Mar-12	1	7	\$20.51	Yes	\$125.00	\$104.49
104	18-Mar-12	1	8	\$20.41	Yes	\$125.00	\$104.59
105	18-Mar-12	1	9	\$17.71	Yes	\$125.00	\$107.29
106	18-Mar-12	1	10	\$18.28	Yes	\$125.00	\$106.72
107	18-Mar-12	1	11	\$20.57	Yes	\$125.00	\$104.43
108	18-Mar-12	1	12	\$36.65	Yes	\$125.00	\$88.35
109	18-Mar-12	2	1	\$22.75	Yes	\$60.99	\$38.24
110	18-Mar-12	2	2	\$36.36	Yes	\$60.99	\$24.63
111	18-Mar-12	2	3	\$33.23	Yes	\$60.99	\$27.76
112	18-Mar-12	2	4	\$24.25	Yes	\$60.99	\$36.74
113	18-Mar-12	2	5	\$20.69	Yes	\$60.99	\$40.30
114	18-Mar-12	2	6	\$17.30	Yes	\$60.99	\$43.69
115	18-Mar-12	2	7	\$19.86	Yes	\$60.99	\$41.13
116	18-Mar-12	2	8	\$19.81	Yes	\$60.99	\$41.18
117	18-Mar-12	2	9	\$19.81	Yes	\$60.99	\$41.18
118	18-Mar-12	2	10	\$18.76	Yes	\$60.99	\$42.23
119	18-Mar-12	2	11	\$18.22	Yes	\$60.99	\$42.77
120	18-Mar-12	2	12	\$18.30	Yes	\$60.99	\$42.69
121	18-Mar-12	3	1	\$17.81	Yes	\$60.99	\$43.18
122	18-Mar-12	3	2	\$17.80	Yes	\$60.99	\$43.19
123	18-Mar-12	3	3	\$17.25	Yes	\$60.99	\$43.74
124	18-Mar-12	3	4	\$16.09	Yes	\$60.99	\$44.90
125	18-Mar-12	3	5	\$16.50	Yes	\$60.99	\$44.49
126	18-Mar-12	3	6	\$16.50	Yes	\$60.99	\$44.49
127	18-Mar-12	3	7	\$16.51	Yes	\$60.99	\$44.48
128	18-Mar-12	3	8	\$16.46	Yes	\$60.99	\$44.53
129	18-Mar-12	3	9	\$16.46	Yes	\$60.99	\$44.53
130	18-Mar-12	3	10	\$16.49	Yes	\$60.99	\$44.50
131	18-Mar-12	3	11	\$16.49	Yes	\$60.99	\$44.50
132	18-Mar-12	3	12	\$14.42	Yes	\$60.99	\$46.57

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
133	18-Mar-12	4	1	\$19.13	Yes	\$60.99	\$41.86
134	18-Mar-12	4	2	\$17.22	Yes	\$60.99	\$43.77
135	18-Mar-12	4	3	\$17.18	Yes	\$60.99	\$43.81
136	18-Mar-12	4	4	\$17.15	Yes	\$60.99	\$43.84
137	18-Mar-12	4	5	\$17.17	Yes	\$60.99	\$43.82
138	18-Mar-12	4	6	\$17.15	Yes	\$60.99	\$43.84
139	18-Mar-12	4	7	\$14.56	Yes	\$60.99	\$46.43
140	18-Mar-12	4	8	\$16.33	Yes	\$60.99	\$44.66
141	18-Mar-12	4	9	\$16.50	Yes	\$60.99	\$44.49
142	18-Mar-12	4	10	\$17.09	Yes	\$60.99	\$43.90
143	18-Mar-12	4	11	\$16.92	Yes	\$60.99	\$44.07
144	18-Mar-12	4	12	\$16.55	Yes	\$60.99	\$44.44
145	18-Mar-12	5	1	\$16.61	Yes	\$60.99	\$44.38
146	18-Mar-12	5	2	\$16.61	Yes	\$60.99	\$44.38
147	18-Mar-12	5	3	\$16.61	Yes	\$60.99	\$44.38
148	18-Mar-12	5	4	\$16.04	Yes	\$60.99	\$44.95
149	18-Mar-12	5	5	\$15.36	Yes	\$60.99	\$45.63
150	18-Mar-12	5	6	\$0.01	Yes	\$60.99	\$60.98
151	18-Mar-12	5	7	\$16.09	Yes	\$60.99	\$44.90
152	18-Mar-12	5	8	\$17.21	Yes	\$60.99	\$43.78
153	18-Mar-12	5	9	\$16.48	Yes	\$60.99	\$44.51
154	18-Mar-12	5	10	\$0.01	Yes	\$60.99	\$60.98
155	18-Mar-12	5	11	\$16.09	Yes	\$60.99	\$44.90
156	18-Mar-12	5	12	\$16.56	Yes	\$60.99	\$44.43
157	18-Mar-12	6	1	\$16.60	Yes	\$60.99	\$44.39
158	18-Mar-12	6	2	\$16.49	Yes	\$60.99	\$44.50
159	18-Mar-12	6	3	\$16.49	Yes	\$60.99	\$44.50
160	18-Mar-12	6	4	\$5.20	Yes	\$60.99	\$55.79
161	18-Mar-12	6	5	\$15.82	Yes	\$60.99	\$45.17
162	18-Mar-12	6	6	\$16.15	Yes	\$60.99	\$44.84
163	18-Mar-12	6	7	\$16.60	Yes	\$60.99	\$44.39
164	18-Mar-12	6	8	\$16.00	Yes	\$60.99	\$44.99
165	18-Mar-12	6	9	\$16.05	Yes	\$60.99	\$44.94
166	18-Mar-12	6	10	\$16.51	Yes	\$60.99	\$44.48
167	18-Mar-12	6	11	\$17.02	Yes	\$60.99	\$43.97
168	18-Mar-12	6	12	\$22.26	Yes	\$60.99	\$38.73
169	18-Mar-12	7	1	\$5.16	Yes	\$60.99	\$55.83
170	18-Mar-12	7	2	\$18.65	Yes	\$60.99	\$42.34
171	18-Mar-12	7	3	\$17.69	Yes	\$60.99	\$43.30
172	18-Mar-12	7	4	\$17.48	Yes	\$60.99	\$43.51
173	18-Mar-12	7	5	\$17.22	Yes	\$60.99	\$43.77
174	18-Mar-12	7	6	\$17.73	Yes	\$60.99	\$43.26
175	18-Mar-12	7	7	\$17.73	Yes	\$60.99	\$43.26
176	18-Mar-12	7	8	\$17.61	Yes	\$60.99	\$43.38
177	18-Mar-12	7	9	\$17.81	Yes	\$60.99	\$43.18

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
178	18-Mar-12	7	10	\$17.66	Yes	\$60.99	\$43.33
179	18-Mar-12	7	11	\$17.66	Yes	\$60.99	\$43.33
180	18-Mar-12	7	12	\$17.43	Yes	\$60.99	\$43.56
181	18-Mar-12	8	1	\$16.78	Yes	\$60.99	\$44.21
182	18-Mar-12	8	2	\$16.53	Yes	\$60.99	\$44.46
183	18-Mar-12	8	3	\$16.53	Yes	\$60.99	\$44.46
184	18-Mar-12	8	4	\$17.08	Yes	\$60.99	\$43.91
185	18-Mar-12	8	5	\$18.68	Yes	\$60.99	\$42.31
186	18-Mar-12	8	6	\$17.39	Yes	\$60.99	\$43.60
187	18-Mar-12	8	7	\$17.42	Yes	\$60.99	\$43.57
188	18-Mar-12	8	8	\$16.43	Yes	\$60.99	\$44.56
189	18-Mar-12	8	9	\$17.15	Yes	\$60.99	\$43.84
190	18-Mar-12	8	10	\$17.09	Yes	\$60.99	\$43.90
191	18-Mar-12	8	11	\$17.23	Yes	\$60.99	\$43.76
192	18-Mar-12	8	12	\$17.36	Yes	\$60.99	\$43.63
193	18-Mar-12	9	1	\$16.42	Yes	\$60.99	\$44.57
194	18-Mar-12	9	2	\$16.53	Yes	\$60.99	\$44.46
195	18-Mar-12	9	3	\$16.53	Yes	\$60.99	\$44.46
196	18-Mar-12	9	4	\$17.79	Yes	\$60.99	\$43.20
197	18-Mar-12	9	5	\$18.37	Yes	\$60.99	\$42.62
198	18-Mar-12	9	6	\$18.95	Yes	\$60.99	\$42.04
199	18-Mar-12	9	7	\$18.61	Yes	\$60.99	\$42.38
200	18-Mar-12	9	8	\$17.87	Yes	\$60.99	\$43.12
201	18-Mar-12	9	9	\$18.36	Yes	\$60.99	\$42.63
202	18-Mar-12	9	10	\$18.72	Yes	\$60.99	\$42.27
203	18-Mar-12	9	11	\$18.27	Yes	\$60.99	\$42.72
204	18-Mar-12	9	12	\$18.72	Yes	\$60.99	\$42.27
205	18-Mar-12	10	1	\$16.30	Yes	\$60.99	\$44.69
206	18-Mar-12	10	1	\$16.30	Yes	\$125.00	\$108.70
207	18-Mar-12	10	2	\$16.41	Yes	\$60.99	\$44.58
208	18-Mar-12	10	2	\$16.41	Yes	\$125.00	\$108.59
209	18-Mar-12	10	3	\$12.14	Yes	\$60.99	\$48.85
210	18-Mar-12	10	3	\$12.14	Yes	\$125.00	\$112.86
211	18-Mar-12	10	4	\$16.42	Yes	\$60.99	\$44.57
212	18-Mar-12	10	4	\$16.42	Yes	\$125.00	\$108.58
213	18-Mar-12	10	5	\$16.42	Yes	\$60.99	\$44.57
214	18-Mar-12	10	5	\$16.42	Yes	\$125.00	\$108.58
215	18-Mar-12	10	6	\$10.08	Yes	\$60.99	\$50.91
216	18-Mar-12	10	6	\$10.08	Yes	\$125.00	\$114.92
217	18-Mar-12	10	7	\$9.09	Yes	\$60.99	\$51.90
218	18-Mar-12	10	7	\$9.09	Yes	\$125.00	\$115.91
219	18-Mar-12	10	8	\$10.10	Yes	\$60.99	\$50.89
220	18-Mar-12	10	8	\$10.10	Yes	\$125.00	\$114.90
221	18-Mar-12	10	9	\$10.10	Yes	\$60.99	\$50.89
222	18-Mar-12	10	9	\$10.10	Yes	\$125.00	\$114.90

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
223	18-Mar-12	10	10	\$10.09	Yes	\$60.99	\$50.90
224	18-Mar-12	10	10	\$10.09	Yes	\$125.00	\$114.91
225	18-Mar-12	10	11	\$10.09	Yes	\$60.99	\$50.90
226	18-Mar-12	10	11	\$10.09	Yes	\$125.00	\$114.91
227	18-Mar-12	10	12	\$9.17	Yes	\$60.99	\$51.82
228	18-Mar-12	10	12	\$9.17	Yes	\$125.00	\$115.83
229	18-Mar-12	11	1	\$2.48	Yes	\$60.99	\$58.51
230	18-Mar-12	11	1	\$2.48	Yes	\$125.00	\$122.52
231	18-Mar-12	11	2	\$5.96	Yes	\$60.99	\$55.03
232	18-Mar-12	11	2	\$5.96	Yes	\$125.00	\$119.04
233	18-Mar-12	11	3	\$5.96	Yes	\$60.99	\$55.03
234	18-Mar-12	11	3	\$5.96	Yes	\$125.00	\$119.04
235	18-Mar-12	11	4	\$9.28	Yes	\$60.99	\$51.71
236	18-Mar-12	11	4	\$9.28	Yes	\$125.00	\$115.72
237	18-Mar-12	11	5	\$16.28	Yes	\$60.99	\$44.71
238	18-Mar-12	11	5	\$16.28	Yes	\$125.00	\$108.72
239	18-Mar-12	11	6	\$12.14	Yes	\$60.99	\$48.85
240	18-Mar-12	11	6	\$12.14	Yes	\$125.00	\$112.86
241	18-Mar-12	11	7	\$15.27	Yes	\$60.99	\$45.72
242	18-Mar-12	11	7	\$15.27	Yes	\$125.00	\$109.73
243	18-Mar-12	11	8	\$10.10	Yes	\$60.99	\$50.89
244	18-Mar-12	11	8	\$10.10	Yes	\$125.00	\$114.90
245	18-Mar-12	11	9	\$10.10	Yes	\$60.99	\$50.89
246	18-Mar-12	11	9	\$10.10	Yes	\$125.00	\$114.90
247	18-Mar-12	11	10	\$16.28	Yes	\$60.99	\$44.71
248	18-Mar-12	11	10	\$16.28	Yes	\$125.00	\$108.72
249	18-Mar-12	11	11	\$16.28	Yes	\$60.99	\$44.71
250	18-Mar-12	11	11	\$16.28	Yes	\$125.00	\$108.72
251	18-Mar-12	11	12	\$16.37	Yes	\$60.99	\$44.62
252	18-Mar-12	11	12	\$16.37	Yes	\$125.00	\$108.63
253	18-Mar-12	12	1	\$15.44	Yes	\$125.00	\$109.56
254	18-Mar-12	12	2	\$15.44	Yes	\$125.00	\$109.56
255	18-Mar-12	12	3	\$15.44	Yes	\$125.00	\$109.56
256	18-Mar-12	12	4	\$15.50	Yes	\$125.00	\$109.50
257	18-Mar-12	12	5	\$15.50	Yes	\$125.00	\$109.50
258	18-Mar-12	12	6	\$15.50	Yes	\$125.00	\$109.50
259	18-Mar-12	12	7	\$16.23	Yes	\$125.00	\$108.77
260	18-Mar-12	12	8	\$16.37	Yes	\$125.00	\$108.63
261	18-Mar-12	12	9	\$16.37	Yes	\$125.00	\$108.63
262	18-Mar-12	12	10	\$15.50	Yes	\$125.00	\$109.50
263	18-Mar-12	12	11	\$15.50	Yes	\$125.00	\$109.50
264	18-Mar-12	12	12	\$16.38	Yes	\$125.00	\$108.62
265	18-Mar-12	13	1	\$16.24	Yes	\$125.00	\$108.76
266	18-Mar-12	13	2	\$17.25	Yes	\$125.00	\$107.75
267	18-Mar-12	13	3	\$16.38	Yes	\$125.00	\$108.62

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
268	18-Mar-12	13	4	\$16.37	Yes	\$125.00	\$108.63
269	18-Mar-12	13	5	\$16.37	Yes	\$125.00	\$108.63
270	18-Mar-12	13	6	\$17.35	Yes	\$125.00	\$107.65
271	18-Mar-12	13	7	\$17.25	Yes	\$125.00	\$107.75
272	18-Mar-12	13	8	\$17.37	Yes	\$125.00	\$107.63
273	18-Mar-12	13	9	\$17.34	Yes	\$125.00	\$107.66
274	18-Mar-12	13	10	\$17.87	Yes	\$125.00	\$107.13
275	18-Mar-12	13	11	\$17.26	Yes	\$125.00	\$107.74
276	18-Mar-12	13	12	\$17.32	Yes	\$125.00	\$107.68
277	18-Mar-12	14	1	\$17.29	Yes	\$125.00	\$107.71
278	18-Mar-12	14	2	\$17.33	Yes	\$125.00	\$107.67
279	18-Mar-12	14	3	\$17.33	Yes	\$125.00	\$107.67
280	18-Mar-12	14	4	\$17.26	Yes	\$125.00	\$107.74
281	18-Mar-12	14	5	\$16.38	Yes	\$125.00	\$108.62
282	18-Mar-12	14	6	\$16.38	Yes	\$125.00	\$108.62
283	18-Mar-12	14	7	\$16.24	Yes	\$125.00	\$108.76
284	18-Mar-12	14	8	\$16.38	Yes	\$125.00	\$108.62
285	18-Mar-12	14	9	\$16.38	Yes	\$125.00	\$108.62
286	18-Mar-12	14	10	\$16.34	Yes	\$125.00	\$108.66
287	18-Mar-12	14	11	\$16.34	Yes	\$125.00	\$108.66
288	18-Mar-12	14	12	\$16.34	Yes	\$125.00	\$108.66
289	18-Mar-12	15	1	\$16.38	Yes	\$125.00	\$108.62
290	18-Mar-12	15	2	\$16.38	Yes	\$125.00	\$108.62
291	18-Mar-12	15	3	\$16.38	Yes	\$125.00	\$108.62
292	18-Mar-12	15	4	\$16.24	Yes	\$125.00	\$108.76
293	18-Mar-12	15	5	\$15.54	Yes	\$125.00	\$109.46
294	18-Mar-12	15	6	\$15.54	Yes	\$125.00	\$109.46
295	18-Mar-12	15	7	\$15.54	Yes	\$125.00	\$109.46
296	18-Mar-12	15	8	\$15.54	Yes	\$125.00	\$109.46
297	18-Mar-12	15	9	\$15.54	Yes	\$125.00	\$109.46
298	18-Mar-12	15	10	\$15.54	Yes	\$125.00	\$109.46
299	18-Mar-12	15	11	\$16.35	Yes	\$125.00	\$108.65
300	18-Mar-12	15	12	\$16.24	Yes	\$125.00	\$108.76
301	18-Mar-12	16	1	\$15.57	Yes	\$125.00	\$109.43
302	18-Mar-12	16	2	\$15.57	Yes	\$125.00	\$109.43
303	18-Mar-12	16	3	\$15.57	Yes	\$125.00	\$109.43
304	18-Mar-12	16	4	\$15.58	Yes	\$125.00	\$109.42
305	18-Mar-12	16	5	\$15.58	Yes	\$125.00	\$109.42
306	18-Mar-12	16	6	\$15.58	Yes	\$125.00	\$109.42
307	18-Mar-12	16	7	\$15.58	Yes	\$125.00	\$109.42
308	18-Mar-12	16	8	\$15.58	Yes	\$125.00	\$109.42
309	18-Mar-12	16	9	\$9.84	Yes	\$125.00	\$115.16
310	18-Mar-12	16	10	\$9.83	Yes	\$125.00	\$115.17
311	18-Mar-12	16	11	\$9.83	Yes	\$125.00	\$115.17
312	18-Mar-12	16	12	\$15.58	Yes	\$125.00	\$109.42

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
313	18-Mar-12	17	1	\$0.01	Yes	\$125.00	\$124.99
314	18-Mar-12	17	2	\$0.01	Yes	\$125.00	\$124.99
315	18-Mar-12	17	3	\$5.82	Yes	\$125.00	\$119.18
316	18-Mar-12	17	4	\$5.81	Yes	\$125.00	\$119.19
317	18-Mar-12	17	5	\$5.81	Yes	\$125.00	\$119.19
318	18-Mar-12	17	6	\$15.22	Yes	\$125.00	\$109.78
319	18-Mar-12	17	7	\$15.59	Yes	\$125.00	\$109.41
320	18-Mar-12	17	8	\$15.37	Yes	\$125.00	\$109.63
321	18-Mar-12	17	9	\$15.64	Yes	\$125.00	\$109.36
322	18-Mar-12	17	10	\$15.70	Yes	\$125.00	\$109.30
323	18-Mar-12	17	11	\$15.95	Yes	\$125.00	\$109.05
324	18-Mar-12	17	12	\$16.12	Yes	\$125.00	\$108.88
325	18-Mar-12	18	1	\$16.12	Yes	\$125.00	\$108.88
326	18-Mar-12	18	2	\$16.12	Yes	\$125.00	\$108.88
327	18-Mar-12	18	3	\$16.40	Yes	\$125.00	\$108.60
328	18-Mar-12	18	4	\$16.59	Yes	\$125.00	\$108.41
329	18-Mar-12	18	5	\$16.39	Yes	\$125.00	\$108.61
330	18-Mar-12	18	6	\$16.59	Yes	\$125.00	\$108.41
331	18-Mar-12	18	7	\$16.64	Yes	\$125.00	\$108.36
332	18-Mar-12	18	8	\$17.10	Yes	\$125.00	\$107.90
333	18-Mar-12	18	9	\$17.10	Yes	\$125.00	\$107.90
334	18-Mar-12	18	10	\$17.14	Yes	\$125.00	\$107.86
335	18-Mar-12	18	11	\$17.31	Yes	\$125.00	\$107.69
336	18-Mar-12	18	12	\$18.51	Yes	\$125.00	\$106.49
337	18-Mar-12	19	1	\$16.70	Yes	\$125.00	\$108.30
338	18-Mar-12	19	2	\$15.26	Yes	\$125.00	\$109.74
339	18-Mar-12	19	3	\$15.58	Yes	\$125.00	\$109.42
340	18-Mar-12	19	4	\$17.14	Yes	\$125.00	\$107.86
341	18-Mar-12	19	5	\$17.32	Yes	\$125.00	\$107.68
342	18-Mar-12	19	6	\$18.54	Yes	\$125.00	\$106.46
343	18-Mar-12	19	7	\$18.56	Yes	\$125.00	\$106.44
344	18-Mar-12	19	8	\$18.57	Yes	\$125.00	\$106.43
345	18-Mar-12	19	9	\$19.47	Yes	\$125.00	\$105.53
346	18-Mar-12	19	10	\$19.46	Yes	\$125.00	\$105.54
347	18-Mar-12	19	11	\$23.23	Yes	\$125.00	\$101.77
348	18-Mar-12	19	12	\$23.74	Yes	\$125.00	\$101.26
349	18-Mar-12	20	1	\$19.47	Yes	\$125.00	\$105.53
350	18-Mar-12	20	2	\$20.26	Yes	\$125.00	\$104.74
351	18-Mar-12	20	3	\$21.84	Yes	\$125.00	\$103.16
352	18-Mar-12	20	4	\$25.04	Yes	\$125.00	\$99.96
353	18-Mar-12	20	5	\$41.02	Yes	\$125.00	\$83.98
354	18-Mar-12	20	6	\$49.49	Yes	\$125.00	\$75.51
355	18-Mar-12	20	7	\$983.69	Yes	\$125.00	(\$858.69)
356	18-Mar-12	20	8	\$125.00	Yes	\$125.00	\$0.00
357	18-Mar-12	20	9	\$49.46	Yes	\$125.00	\$75.54

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
358	18-Mar-12	20	10	\$49.44	Yes	\$125.00	\$75.56
359	18-Mar-12	20	11	\$30.24	Yes	\$125.00	\$94.76
360	18-Mar-12	20	12	\$38.73	Yes	\$125.00	\$86.27
361	18-Mar-12	21	1	\$30.91	Yes	\$125.00	\$94.09
362	18-Mar-12	21	2	\$34.33	Yes	\$125.00	\$90.67
363	18-Mar-12	21	3	\$23.95	Yes	\$125.00	\$101.05
364	18-Mar-12	21	4	\$25.07	Yes	\$125.00	\$99.93
365	18-Mar-12	21	5	\$36.78	Yes	\$125.00	\$88.22
366	18-Mar-12	21	6	\$36.78	Yes	\$125.00	\$88.22
367	18-Mar-12	21	7	\$28.55	Yes	\$125.00	\$96.45
368	18-Mar-12	21	8	\$32.61	Yes	\$125.00	\$92.39
369	18-Mar-12	21	9	\$29.77	Yes	\$125.00	\$95.23
370	18-Mar-12	21	10	\$36.72	Yes	\$125.00	\$88.28
371	18-Mar-12	21	11	\$49.38	Yes	\$125.00	\$75.62
372	18-Mar-12	21	12	\$25.76	Yes	\$125.00	\$99.24
373	18-Mar-12	22	1	\$51.59	Yes	\$125.00	\$73.41
374	18-Mar-12	22	2	\$25.40	Yes	\$125.00	\$99.60
375	18-Mar-12	22	3	\$23.46	Yes	\$125.00	\$101.54
376	18-Mar-12	22	4	\$28.55	Yes	\$125.00	\$96.45
377	18-Mar-12	22	5	\$41.08	Yes	\$125.00	\$83.92
378	18-Mar-12	22	6	\$33.96	Yes	\$125.00	\$91.04
379	18-Mar-12	22	7	\$28.58	Yes	\$125.00	\$96.42
380	18-Mar-12	22	8	\$23.60	Yes	\$125.00	\$101.40
381	18-Mar-12	22	9	\$22.66	Yes	\$125.00	\$102.34
382	18-Mar-12	22	10	\$20.76	Yes	\$125.00	\$104.24
383	18-Mar-12	22	11	\$20.39	Yes	\$125.00	\$104.61
384	18-Mar-12	22	12	\$16.81	Yes	\$125.00	\$108.19
385	18-Mar-12	23	1	\$33.10	Yes	\$125.00	\$91.90
386	18-Mar-12	23	2	\$32.76	Yes	\$125.00	\$92.24
387	18-Mar-12	23	3	\$20.52	Yes	\$125.00	\$104.48
388	18-Mar-12	23	4	\$24.11	Yes	\$125.00	\$100.89
389	18-Mar-12	23	5	\$23.66	Yes	\$125.00	\$101.34
390	18-Mar-12	23	6	\$24.11	Yes	\$125.00	\$100.89
391	18-Mar-12	23	7	\$23.46	Yes	\$125.00	\$101.54
392	18-Mar-12	23	8	\$20.41	Yes	\$125.00	\$104.59
393	18-Mar-12	23	9	\$20.32	Yes	\$125.00	\$104.68
394	18-Mar-12	23	10	\$18.39	Yes	\$125.00	\$106.61
395	18-Mar-12	23	11	\$17.86	Yes	\$125.00	\$107.14
396	18-Mar-12	23	12	\$17.77	Yes	\$125.00	\$107.23
397	18-Mar-12	24	1	\$27.58	Yes	\$125.00	\$97.42
398	18-Mar-12	24	2	\$23.49	Yes	\$125.00	\$101.51
399	18-Mar-12	24	3	\$23.49	Yes	\$125.00	\$101.51
400	18-Mar-12	24	4	\$20.32	Yes	\$125.00	\$104.68
401	18-Mar-12	24	5	\$18.78	Yes	\$125.00	\$106.22
402	18-Mar-12	24	6	\$18.78	Yes	\$125.00	\$106.22

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
403	18-Mar-12	24	7	\$18.16	Yes	\$125.00	\$106.84
404	18-Mar-12	24	8	\$18.09	Yes	\$125.00	\$106.91
405	18-Mar-12	24	9	\$17.31	Yes	\$125.00	\$107.69
406	18-Mar-12	24	10	\$12.14	Yes	\$125.00	\$112.86
407	18-Mar-12	24	11	\$15.52	Yes	\$125.00	\$109.48
408	18-Mar-12	24	12	\$15.52	Yes	\$125.00	\$109.48

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	1-Mar-12	1	1	\$20.55	Yes	\$31.20	\$10.65
2	1-Mar-12	1	2	\$24.12	Yes	\$31.20	\$7.08
3	1-Mar-12	1	3	\$19.73	Yes	\$31.20	\$11.47
4	1-Mar-12	1	4	\$17.66	Yes	\$31.20	\$13.54
5	1-Mar-12	1	5	\$18.96	Yes	\$31.20	\$12.24
6	1-Mar-12	1	6	\$24.23	Yes	\$31.20	\$6.97
7	1-Mar-12	1	7	\$24.33	Yes	\$31.20	\$6.87
8	1-Mar-12	1	8	\$24.34	Yes	\$31.20	\$6.86
9	1-Mar-12	1	9	\$24.34	Yes	\$31.20	\$6.86
10	1-Mar-12	1	10	\$19.66	Yes	\$31.20	\$11.54
11	1-Mar-12	1	11	\$19.66	Yes	\$31.20	\$11.54
12	1-Mar-12	1	12	\$18.46	Yes	\$31.20	\$12.74
13	1-Mar-12	2	1	\$22.53	Yes	\$31.20	\$8.67
14	1-Mar-12	2	2	\$21.98	Yes	\$31.20	\$9.22
15	1-Mar-12	2	3	\$23.63	Yes	\$31.20	\$7.57
16	1-Mar-12	2	4	\$21.09	Yes	\$31.20	\$10.11
17	1-Mar-12	2	5	\$24.29	Yes	\$31.20	\$6.91
18	1-Mar-12	2	6	\$23.64	Yes	\$31.20	\$7.56
19	1-Mar-12	2	7	\$22.74	Yes	\$31.20	\$8.46
20	1-Mar-12	2	8	\$19.90	Yes	\$31.20	\$11.30
21	1-Mar-12	2	9	\$20.20	Yes	\$31.20	\$11.00
22	1-Mar-12	2	10	\$20.55	Yes	\$31.20	\$10.65
23	1-Mar-12	2	11	\$20.55	Yes	\$31.20	\$10.65
24	1-Mar-12	2	12	\$24.41	Yes	\$31.20	\$6.79
25	1-Mar-12	3	1	\$24.13	Yes	\$31.20	\$7.07
26	1-Mar-12	3	2	\$24.54	Yes	\$31.20	\$6.66
27	1-Mar-12	3	3	\$24.13	Yes	\$31.20	\$7.07
28	1-Mar-12	3	4	\$22.53	Yes	\$31.20	\$8.67
29	1-Mar-12	3	5	\$23.61	Yes	\$31.20	\$7.59
30	1-Mar-12	3	6	\$24.13	Yes	\$31.20	\$7.07
31	1-Mar-12	3	7	\$24.11	Yes	\$31.20	\$7.09
32	1-Mar-12	3	8	\$24.33	Yes	\$31.20	\$6.87
33	1-Mar-12	3	9	\$24.12	Yes	\$31.20	\$7.08
34	1-Mar-12	3	10	\$22.67	Yes	\$31.20	\$8.53
35	1-Mar-12	3	11	\$22.67	Yes	\$31.20	\$8.53
36	1-Mar-12	3	12	\$22.73	Yes	\$31.20	\$8.47
37	1-Mar-12	4	1	\$24.37	Yes	\$31.20	\$6.83
38	1-Mar-12	4	2	\$24.37	Yes	\$31.20	\$6.83
39	1-Mar-12	4	3	\$24.36	Yes	\$31.20	\$6.84
40	1-Mar-12	4	4	\$22.76	Yes	\$31.20	\$8.44

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
41	1-Mar-12	4	5	\$23.76	Yes	\$31.20	\$7.44
42	1-Mar-12	4	6	\$23.94	Yes	\$31.20	\$7.26
43	1-Mar-12	4	7	\$24.40	Yes	\$31.20	\$6.80
44	1-Mar-12	4	8	\$24.13	Yes	\$31.20	\$7.07
45	1-Mar-12	4	9	\$24.52	Yes	\$31.20	\$6.68
46	1-Mar-12	4	10	\$24.13	Yes	\$31.20	\$7.07
47	1-Mar-12	4	11	\$22.94	Yes	\$31.20	\$8.26
48	1-Mar-12	4	12	\$24.59	Yes	\$31.20	\$6.61
49	1-Mar-12	5	1	\$24.28	Yes	\$31.20	\$6.92
50	1-Mar-12	5	2	\$21.63	Yes	\$31.20	\$9.57
51	1-Mar-12	5	3	\$21.63	Yes	\$31.20	\$9.57
52	1-Mar-12	5	4	\$21.63	Yes	\$31.20	\$9.57
53	1-Mar-12	5	5	\$22.63	Yes	\$31.20	\$8.57
54	1-Mar-12	5	6	\$23.33	Yes	\$31.20	\$7.87
55	1-Mar-12	5	7	\$24.38	Yes	\$31.20	\$6.82
56	1-Mar-12	5	8	\$24.38	Yes	\$31.20	\$6.82
57	1-Mar-12	5	9	\$24.39	Yes	\$31.20	\$6.81
58	1-Mar-12	5	10	\$26.69	Yes	\$31.20	\$4.51
59	1-Mar-12	5	11	\$26.39	Yes	\$31.20	\$4.81
60	1-Mar-12	5	12	\$26.31	Yes	\$31.20	\$4.89
61	1-Mar-12	6	1	\$19.94	Yes	\$31.20	\$11.26
62	1-Mar-12	6	2	\$20.62	Yes	\$31.20	\$10.58
63	1-Mar-12	6	3	\$20.25	Yes	\$31.20	\$10.95
64	1-Mar-12	6	4	\$19.91	Yes	\$31.20	\$11.29
65	1-Mar-12	6	5	\$20.43	Yes	\$31.20	\$10.77
66	1-Mar-12	6	6	\$24.46	Yes	\$31.20	\$6.74
67	1-Mar-12	6	7	\$25.88	Yes	\$31.20	\$5.32
68	1-Mar-12	6	8	\$30.35	Yes	\$31.20	\$0.85
69	1-Mar-12	6	9	\$30.35	Yes	\$31.20	\$0.85
70	1-Mar-12	6	10	\$27.65	Yes	\$31.20	\$3.55
71	1-Mar-12	6	11	\$28.88	Yes	\$31.20	\$2.32
72	1-Mar-12	6	12	\$31.28	Yes	\$31.20	(\$0.08)
73	1-Mar-12	7	1	\$20.55	Yes	\$31.20	\$10.65
74	1-Mar-12	7	2	\$20.55	Yes	\$31.20	\$10.65
75	1-Mar-12	7	3	\$20.80	Yes	\$31.20	\$10.40
76	1-Mar-12	7	4	\$23.80	Yes	\$31.20	\$7.40
77	1-Mar-12	7	5	\$24.54	Yes	\$31.20	\$6.66
78	1-Mar-12	7	6	\$25.69	Yes	\$31.20	\$5.51
79	1-Mar-12	7	7	\$28.78	Yes	\$31.20	\$2.42
80	1-Mar-12	7	8	\$28.78	Yes	\$31.20	\$2.42
81	1-Mar-12	7	9	\$28.78	Yes	\$31.20	\$2.42
82	1-Mar-12	7	10	\$26.78	Yes	\$31.20	\$4.42
83	1-Mar-12	7	11	\$28.92	Yes	\$31.20	\$2.28
84	1-Mar-12	7	12	\$29.95	Yes	\$31.20	\$1.25
85	1-Mar-12	8	1	\$20.86	Yes	\$31.20	\$10.34

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
86	1-Mar-12	8	2	\$23.79	Yes	\$31.20	\$7.41
87	1-Mar-12	8	3	\$25.34	Yes	\$31.20	\$5.86
88	1-Mar-12	8	4	\$25.36	Yes	\$31.20	\$5.84
89	1-Mar-12	8	5	\$28.26	Yes	\$31.20	\$2.94
90	1-Mar-12	8	6	\$28.83	Yes	\$31.20	\$2.37
91	1-Mar-12	8	7	\$29.77	Yes	\$31.20	\$1.43
92	1-Mar-12	8	8	\$25.98	Yes	\$31.20	\$5.22
93	1-Mar-12	8	9	\$24.67	Yes	\$31.20	\$6.53
94	1-Mar-12	8	10	\$26.27	Yes	\$31.20	\$4.93
95	1-Mar-12	8	11	\$25.98	Yes	\$31.20	\$5.22
96	1-Mar-12	8	12	\$25.38	Yes	\$31.20	\$5.82
97	1-Mar-12	9	1	\$21.12	Yes	\$31.20	\$10.08
98	1-Mar-12	9	2	\$22.91	Yes	\$31.20	\$8.29
99	1-Mar-12	9	3	\$31.77	Yes	\$31.20	(\$0.57)
100	1-Mar-12	9	4	\$24.78	Yes	\$31.20	\$6.42
101	1-Mar-12	9	5	\$23.64	Yes	\$31.20	\$7.56
102	1-Mar-12	9	6	\$22.90	Yes	\$31.20	\$8.30
103	1-Mar-12	9	7	\$23.94	Yes	\$31.20	\$7.26
104	1-Mar-12	9	8	\$24.85	Yes	\$31.20	\$6.35
105	1-Mar-12	9	9	\$26.86	Yes	\$31.20	\$4.34
106	1-Mar-12	9	10	\$24.46	Yes	\$31.20	\$6.74
107	1-Mar-12	9	11	\$26.68	Yes	\$31.20	\$4.52
108	1-Mar-12	9	12	\$32.03	Yes	\$31.20	(\$0.83)
109	1-Mar-12	10	1	\$24.91	Yes	\$31.20	\$6.29
110	1-Mar-12	10	2	\$27.77	Yes	\$31.20	\$3.43
111	1-Mar-12	10	3	\$28.14	Yes	\$31.20	\$3.06
112	1-Mar-12	10	4	\$25.97	Yes	\$31.20	\$5.23
113	1-Mar-12	10	5	\$24.35	Yes	\$31.20	\$6.85
114	1-Mar-12	10	6	\$24.89	Yes	\$31.20	\$6.31
115	1-Mar-12	10	7	\$25.23	Yes	\$31.20	\$5.97
116	1-Mar-12	10	8	\$20.96	Yes	\$31.20	\$10.24
117	1-Mar-12	10	9	\$20.65	Yes	\$31.20	\$10.55
118	1-Mar-12	10	10	\$20.65	Yes	\$31.20	\$10.55
119	1-Mar-12	10	11	\$21.36	Yes	\$31.20	\$9.84
120	1-Mar-12	10	12	\$20.65	Yes	\$31.20	\$10.55
121	1-Mar-12	11	1	\$21.31	Yes	\$31.20	\$9.89
122	1-Mar-12	11	2	\$22.92	Yes	\$31.20	\$8.28
123	1-Mar-12	11	3	\$21.44	Yes	\$31.20	\$9.76
124	1-Mar-12	11	4	\$20.66	Yes	\$31.20	\$10.54
125	1-Mar-12	11	5	\$22.93	Yes	\$31.20	\$8.27
126	1-Mar-12	11	6	\$22.93	Yes	\$31.20	\$8.27
127	1-Mar-12	11	7	\$22.92	Yes	\$31.20	\$8.28
128	1-Mar-12	11	8	\$23.53	Yes	\$31.20	\$7.67
129	1-Mar-12	11	9	\$23.53	Yes	\$31.20	\$7.67
130	1-Mar-12	11	10	\$23.48	Yes	\$31.20	\$7.72

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
131	1-Mar-12	11	11	\$23.48	Yes	\$31.20	\$7.72
132	1-Mar-12	11	12	\$22.94	Yes	\$31.20	\$8.26
133	1-Mar-12	12	1	\$24.80	Yes	\$31.20	\$6.40
134	1-Mar-12	12	2	\$24.62	Yes	\$31.20	\$6.58
135	1-Mar-12	12	3	\$22.95	Yes	\$31.20	\$8.25
136	1-Mar-12	12	4	\$24.25	Yes	\$31.20	\$6.95
137	1-Mar-12	12	5	\$22.95	Yes	\$31.20	\$8.25
138	1-Mar-12	12	6	\$20.82	Yes	\$31.20	\$10.38
139	1-Mar-12	12	7	\$20.83	Yes	\$31.20	\$10.37
140	1-Mar-12	12	8	\$20.47	Yes	\$31.20	\$10.73
141	1-Mar-12	12	9	\$20.47	Yes	\$31.20	\$10.73
142	1-Mar-12	12	10	\$20.67	Yes	\$31.20	\$10.53
143	1-Mar-12	12	11	\$20.82	Yes	\$31.20	\$10.38
144	1-Mar-12	12	12	\$20.82	Yes	\$31.20	\$10.38
145	1-Mar-12	13	1	\$20.39	Yes	\$31.20	\$10.81
146	1-Mar-12	13	2	\$25.63	Yes	\$31.20	\$5.57
147	1-Mar-12	13	3	\$28.53	Yes	\$31.20	\$2.67
148	1-Mar-12	13	4	\$25.26	Yes	\$31.20	\$5.94
149	1-Mar-12	13	5	\$23.65	Yes	\$31.20	\$7.55
150	1-Mar-12	13	6	\$21.88	Yes	\$31.20	\$9.32
151	1-Mar-12	13	7	\$20.36	Yes	\$31.20	\$10.84
152	1-Mar-12	13	8	\$20.71	Yes	\$31.20	\$10.49
153	1-Mar-12	13	9	\$20.79	Yes	\$31.20	\$10.41
154	1-Mar-12	13	10	\$20.79	Yes	\$31.20	\$10.41
155	1-Mar-12	13	11	\$20.79	Yes	\$31.20	\$10.41
156	1-Mar-12	13	12	\$20.41	Yes	\$31.20	\$10.79
157	1-Mar-12	14	1	\$22.95	Yes	\$31.20	\$8.25
158	1-Mar-12	14	2	\$23.38	Yes	\$31.20	\$7.82
159	1-Mar-12	14	3	\$23.65	Yes	\$31.20	\$7.55
160	1-Mar-12	14	4	\$22.96	Yes	\$31.20	\$8.24
161	1-Mar-12	14	5	\$23.45	Yes	\$31.20	\$7.75
162	1-Mar-12	14	6	\$23.45	Yes	\$31.20	\$7.75
163	1-Mar-12	14	7	\$23.44	Yes	\$31.20	\$7.76
164	1-Mar-12	14	8	\$23.37	Yes	\$31.20	\$7.83
165	1-Mar-12	14	9	\$21.32	Yes	\$31.20	\$9.88
166	1-Mar-12	14	10	\$21.58	Yes	\$31.20	\$9.62
167	1-Mar-12	14	11	\$20.89	Yes	\$31.20	\$10.31
168	1-Mar-12	14	12	\$20.29	Yes	\$31.20	\$10.91
169	1-Mar-12	15	1	\$20.82	Yes	\$31.20	\$10.38
170	1-Mar-12	15	2	\$20.72	Yes	\$31.20	\$10.48
171	1-Mar-12	15	3	\$20.55	Yes	\$31.20	\$10.65
172	1-Mar-12	15	4	\$20.29	Yes	\$31.20	\$10.91
173	1-Mar-12	15	5	\$20.38	Yes	\$31.20	\$10.82
174	1-Mar-12	15	6	\$20.71	Yes	\$31.20	\$10.49
175	1-Mar-12	15	7	\$20.29	Yes	\$31.20	\$10.91

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
176	1-Mar-12	15	8	\$22.90	Yes	\$31.20	\$8.30
177	1-Mar-12	15	9	\$20.78	Yes	\$31.20	\$10.42
178	1-Mar-12	15	10	\$20.83	Yes	\$31.20	\$10.37
179	1-Mar-12	15	11	\$20.29	Yes	\$31.20	\$10.91
180	1-Mar-12	15	12	\$19.70	Yes	\$31.20	\$11.50
181	1-Mar-12	16	1	\$19.68	Yes	\$31.20	\$11.52
182	1-Mar-12	16	2	\$19.68	Yes	\$31.20	\$11.52
183	1-Mar-12	16	3	\$19.74	Yes	\$31.20	\$11.46
184	1-Mar-12	16	4	\$20.27	Yes	\$31.20	\$10.93
185	1-Mar-12	16	5	\$20.27	Yes	\$31.20	\$10.93
186	1-Mar-12	16	6	\$20.28	Yes	\$31.20	\$10.92
187	1-Mar-12	16	7	\$20.39	Yes	\$31.20	\$10.81
188	1-Mar-12	16	8	\$20.61	Yes	\$31.20	\$10.59
189	1-Mar-12	16	9	\$20.78	Yes	\$31.20	\$10.42
190	1-Mar-12	16	10	\$21.15	Yes	\$31.20	\$10.05
191	1-Mar-12	16	11	\$21.68	Yes	\$31.20	\$9.52
192	1-Mar-12	16	12	\$22.87	Yes	\$31.20	\$8.33
193	1-Mar-12	17	1	\$18.32	Yes	\$31.20	\$12.88
194	1-Mar-12	17	2	\$19.01	Yes	\$31.20	\$12.19
195	1-Mar-12	17	3	\$20.28	Yes	\$31.20	\$10.92
196	1-Mar-12	17	4	\$20.22	Yes	\$31.20	\$10.98
197	1-Mar-12	17	5	\$19.83	Yes	\$31.20	\$11.37
198	1-Mar-12	17	6	\$19.64	Yes	\$31.20	\$11.56
199	1-Mar-12	17	7	\$18.67	Yes	\$31.20	\$12.53
200	1-Mar-12	17	8	\$20.97	Yes	\$31.20	\$10.23
201	1-Mar-12	17	9	\$20.29	Yes	\$31.20	\$10.91
202	1-Mar-12	17	10	\$20.91	Yes	\$31.20	\$10.29
203	1-Mar-12	17	11	\$20.86	Yes	\$31.20	\$10.34
204	1-Mar-12	17	12	\$20.27	Yes	\$31.20	\$10.93
205	1-Mar-12	18	1	\$17.20	Yes	\$31.20	\$14.00
206	1-Mar-12	18	2	\$16.30	Yes	\$31.20	\$14.90
207	1-Mar-12	18	3	\$16.30	Yes	\$31.20	\$14.90
208	1-Mar-12	18	4	\$17.32	Yes	\$31.20	\$13.88
209	1-Mar-12	18	5	\$17.19	Yes	\$31.20	\$14.01
210	1-Mar-12	18	6	\$17.31	Yes	\$31.20	\$13.89
211	1-Mar-12	18	7	\$17.66	Yes	\$31.20	\$13.54
212	1-Mar-12	18	8	\$18.04	Yes	\$31.20	\$13.16
213	1-Mar-12	18	9	\$19.00	Yes	\$31.20	\$12.20
214	1-Mar-12	18	10	\$21.91	Yes	\$31.20	\$9.29
215	1-Mar-12	18	11	\$21.91	Yes	\$31.20	\$9.29
216	1-Mar-12	18	12	\$23.72	Yes	\$31.20	\$7.48
217	1-Mar-12	19	1	\$19.51	Yes	\$31.20	\$11.69
218	1-Mar-12	19	2	\$20.87	Yes	\$31.20	\$10.33
219	1-Mar-12	19	3	\$23.24	Yes	\$31.20	\$7.96
220	1-Mar-12	19	4	\$25.18	Yes	\$31.20	\$6.02

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
221	1-Mar-12	19	5	\$27.87	Yes	\$31.20	\$3.33
222	1-Mar-12	19	6	\$27.87	Yes	\$31.20	\$3.33
223	1-Mar-12	19	7	\$27.94	Yes	\$31.20	\$3.26
224	1-Mar-12	19	8	\$28.24	Yes	\$31.20	\$2.96
225	1-Mar-12	19	9	\$27.19	Yes	\$31.20	\$4.01
226	1-Mar-12	19	10	\$25.84	Yes	\$31.20	\$5.36
227	1-Mar-12	19	11	\$25.99	Yes	\$31.20	\$5.21
228	1-Mar-12	19	12	\$27.31	Yes	\$31.20	\$3.89
229	1-Mar-12	20	1	\$28.46	Yes	\$31.20	\$2.74
230	1-Mar-12	20	2	\$24.61	Yes	\$31.20	\$6.59
231	1-Mar-12	20	3	\$24.72	Yes	\$31.20	\$6.48
232	1-Mar-12	20	4	\$24.68	Yes	\$31.20	\$6.52
233	1-Mar-12	20	5	\$24.49	Yes	\$31.20	\$6.71
234	1-Mar-12	20	6	\$24.37	Yes	\$31.20	\$6.83
235	1-Mar-12	20	7	\$24.34	Yes	\$31.20	\$6.86
236	1-Mar-12	20	8	\$24.13	Yes	\$31.20	\$7.07
237	1-Mar-12	20	9	\$24.13	Yes	\$31.20	\$7.07
238	1-Mar-12	20	10	\$23.98	Yes	\$31.20	\$7.22
239	1-Mar-12	20	11	\$23.98	Yes	\$31.20	\$7.22
240	1-Mar-12	20	12	\$21.47	Yes	\$31.20	\$9.73
241	1-Mar-12	21	1	\$27.14	Yes	\$31.20	\$4.06
242	1-Mar-12	21	2	\$24.75	Yes	\$31.20	\$6.45
243	1-Mar-12	21	3	\$24.33	Yes	\$31.20	\$6.87
244	1-Mar-12	21	4	\$24.34	Yes	\$31.20	\$6.86
245	1-Mar-12	21	5	\$24.64	Yes	\$31.20	\$6.56
246	1-Mar-12	21	6	\$24.65	Yes	\$31.20	\$6.55
247	1-Mar-12	21	7	\$24.66	Yes	\$31.20	\$6.54
248	1-Mar-12	21	8	\$24.25	Yes	\$31.20	\$6.95
249	1-Mar-12	21	9	\$23.98	Yes	\$31.20	\$7.22
250	1-Mar-12	21	10	\$20.02	Yes	\$31.20	\$11.18
251	1-Mar-12	21	11	\$19.45	Yes	\$31.20	\$11.75
252	1-Mar-12	21	12	\$19.75	Yes	\$31.20	\$11.45
253	1-Mar-12	22	1	\$28.55	Yes	\$31.20	\$2.65
254	1-Mar-12	22	2	\$25.57	Yes	\$31.20	\$5.63
255	1-Mar-12	22	3	\$20.78	Yes	\$31.20	\$10.42
256	1-Mar-12	22	4	\$23.35	Yes	\$31.20	\$7.85
257	1-Mar-12	22	5	\$23.35	Yes	\$31.20	\$7.85
258	1-Mar-12	22	6	\$22.05	Yes	\$31.20	\$9.15
259	1-Mar-12	22	7	\$20.45	Yes	\$31.20	\$10.75
260	1-Mar-12	22	8	\$20.97	Yes	\$31.20	\$10.23
261	1-Mar-12	22	9	\$20.36	Yes	\$31.20	\$10.84
262	1-Mar-12	22	10	\$20.59	Yes	\$31.20	\$10.61
263	1-Mar-12	22	11	\$20.05	Yes	\$31.20	\$11.15
264	1-Mar-12	22	12	\$20.59	Yes	\$31.20	\$10.61
265	1-Mar-12	23	1	\$31.63	Yes	\$31.20	(\$0.43)

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
266	1-Mar-12	23	2	\$31.89	Yes	\$31.20	(\$0.69)
267	1-Mar-12	23	3	\$31.89	Yes	\$31.20	(\$0.69)
268	1-Mar-12	23	4	\$32.19	Yes	\$31.20	(\$0.99)
269	1-Mar-12	23	5	\$29.49	Yes	\$31.20	\$1.71
270	1-Mar-12	23	6	\$28.44	Yes	\$31.20	\$2.76
271	1-Mar-12	23	7	\$25.31	Yes	\$31.20	\$5.89
272	1-Mar-12	23	8	\$23.22	Yes	\$31.20	\$7.98
273	1-Mar-12	23	9	\$22.31	Yes	\$31.20	\$8.89
274	1-Mar-12	23	10	\$21.64	Yes	\$31.20	\$9.56
275	1-Mar-12	23	11	\$20.56	Yes	\$31.20	\$10.64
276	1-Mar-12	23	12	\$19.03	Yes	\$31.20	\$12.17
277	1-Mar-12	24	1	\$25.18	Yes	\$31.20	\$6.02
278	1-Mar-12	24	2	\$25.18	Yes	\$31.20	\$6.02
279	1-Mar-12	24	3	\$19.13	Yes	\$31.20	\$12.07
280	1-Mar-12	24	4	\$21.68	Yes	\$31.20	\$9.52
281	1-Mar-12	24	5	\$22.94	Yes	\$31.20	\$8.26
282	1-Mar-12	24	6	\$22.28	Yes	\$31.20	\$8.92
283	1-Mar-12	24	7	\$21.67	Yes	\$31.20	\$9.53
284	1-Mar-12	24	8	\$19.13	Yes	\$31.20	\$12.07
285	1-Mar-12	24	9	\$20.01	Yes	\$31.20	\$11.19
286	1-Mar-12	24	10	\$17.78	Yes	\$31.20	\$13.42
287	1-Mar-12	24	11	\$18.27	Yes	\$31.20	\$12.93
288	1-Mar-12	24	12	\$15.01	Yes	\$31.20	\$16.19
289	24-Mar-12	3	1	\$23.91	Yes	\$1,000.00	\$976.09
290	24-Mar-12	3	2	\$22.23	Yes	\$1,000.00	\$977.77
291	24-Mar-12	3	3	\$22.23	Yes	\$1,000.00	\$977.77
292	24-Mar-12	3	4	\$19.93	Yes	\$1,000.00	\$980.07
293	24-Mar-12	3	5	\$18.08	Yes	\$1,000.00	\$981.92
294	24-Mar-12	3	6	\$18.63	Yes	\$1,000.00	\$981.37
295	24-Mar-12	3	7	\$18.54	Yes	\$1,000.00	\$981.46
296	24-Mar-12	3	8	\$18.58	Yes	\$1,000.00	\$981.42
297	24-Mar-12	3	9	\$18.32	Yes	\$1,000.00	\$981.68
298	24-Mar-12	3	10	\$18.76	Yes	\$1,000.00	\$981.24
299	24-Mar-12	3	11	\$18.51	Yes	\$1,000.00	\$981.49
300	24-Mar-12	3	12	\$17.56	Yes	\$1,000.00	\$982.44
301	24-Mar-12	4	1	\$18.01	Yes	\$1,000.00	\$981.99
302	24-Mar-12	4	2	\$18.11	Yes	\$1,000.00	\$981.89
303	24-Mar-12	4	3	\$18.73	Yes	\$1,000.00	\$981.27
304	24-Mar-12	4	4	\$18.45	Yes	\$1,000.00	\$981.55
305	24-Mar-12	4	5	\$18.09	Yes	\$1,000.00	\$981.91
306	24-Mar-12	4	6	\$17.99	Yes	\$1,000.00	\$982.01
307	24-Mar-12	4	7	\$18.05	Yes	\$1,000.00	\$981.95
308	24-Mar-12	4	8	\$18.96	Yes	\$1,000.00	\$981.04
309	24-Mar-12	4	9	\$18.82	Yes	\$1,000.00	\$981.18
310	24-Mar-12	4	10	\$20.93	Yes	\$1,000.00	\$979.07

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
311	24-Mar-12	4	11	\$20.93	Yes	\$1,000.00	\$979.07
312	24-Mar-12	4	12	\$23.66	Yes	\$1,000.00	\$976.34
313	24-Mar-12	5	1	\$20.94	Yes	\$1,000.00	\$979.06
314	24-Mar-12	5	2	\$23.64	Yes	\$1,000.00	\$976.36
315	24-Mar-12	5	3	\$20.94	Yes	\$1,000.00	\$979.06
316	24-Mar-12	5	4	\$30.01	Yes	\$1,000.00	\$969.99
317	24-Mar-12	5	5	\$23.95	Yes	\$1,000.00	\$976.05
318	24-Mar-12	5	6	\$23.66	Yes	\$1,000.00	\$976.34
319	24-Mar-12	5	7	\$23.66	Yes	\$1,000.00	\$976.34
320	24-Mar-12	5	8	\$23.18	Yes	\$1,000.00	\$976.82
321	24-Mar-12	5	9	\$23.66	Yes	\$1,000.00	\$976.34
322	24-Mar-12	5	10	\$23.66	Yes	\$1,000.00	\$976.34
323	24-Mar-12	5	11	\$23.66	Yes	\$1,000.00	\$976.34
324	24-Mar-12	5	12	\$17.93	Yes	\$1,000.00	\$982.07
325	24-Mar-12	6	1	\$1.74	Yes	\$1,000.00	\$998.26
326	24-Mar-12	6	2	\$10.35	Yes	\$1,000.00	\$989.65
327	24-Mar-12	6	3	\$17.04	Yes	\$1,000.00	\$982.96
328	24-Mar-12	6	4	\$22.65	Yes	\$1,000.00	\$977.35
329	24-Mar-12	6	5	\$22.65	Yes	\$1,000.00	\$977.35
330	24-Mar-12	6	6	\$22.65	Yes	\$1,000.00	\$977.35
331	24-Mar-12	6	7	\$22.65	Yes	\$1,000.00	\$977.35
332	24-Mar-12	6	8	\$10.54	Yes	\$1,000.00	\$989.46
333	24-Mar-12	6	9	\$17.40	Yes	\$1,000.00	\$982.60
334	24-Mar-12	6	10	\$22.07	Yes	\$1,000.00	\$977.93
335	24-Mar-12	6	11	\$22.07	Yes	\$1,000.00	\$977.93
336	24-Mar-12	6	12	\$23.44	Yes	\$1,000.00	\$976.56
337	24-Mar-12	7	1	\$13.68	Yes	\$1,000.00	\$986.32
338	24-Mar-12	7	2	\$17.39	Yes	\$1,000.00	\$982.61
339	24-Mar-12	7	3	\$17.58	Yes	\$1,000.00	\$982.42
340	24-Mar-12	7	4	\$17.41	Yes	\$1,000.00	\$982.59
341	24-Mar-12	7	5	\$17.92	Yes	\$1,000.00	\$982.08
342	24-Mar-12	7	6	\$17.48	Yes	\$1,000.00	\$982.52
343	24-Mar-12	7	7	\$18.83	Yes	\$1,000.00	\$981.17
344	24-Mar-12	7	8	\$17.96	Yes	\$1,000.00	\$982.04
345	24-Mar-12	7	9	\$18.75	Yes	\$1,000.00	\$981.25
346	24-Mar-12	7	10	\$17.52	Yes	\$1,000.00	\$982.48
347	24-Mar-12	7	11	\$18.24	Yes	\$1,000.00	\$981.76
348	24-Mar-12	7	12	\$20.71	Yes	\$1,000.00	\$979.29
349	24-Mar-12	8	1	\$18.32	Yes	\$1,000.00	\$981.68
350	24-Mar-12	8	2	\$14.93	Yes	\$1,000.00	\$985.07
351	24-Mar-12	8	3	\$17.52	Yes	\$1,000.00	\$982.48
352	24-Mar-12	8	4	\$17.60	Yes	\$1,000.00	\$982.40
353	24-Mar-12	8	5	\$17.99	Yes	\$1,000.00	\$982.01
354	24-Mar-12	8	6	\$18.11	Yes	\$1,000.00	\$981.89
355	24-Mar-12	8	7	\$18.11	Yes	\$1,000.00	\$981.89

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
356	24-Mar-12	8	8	\$19.99	Yes	\$1,000.00	\$980.01
357	24-Mar-12	8	9	\$18.04	Yes	\$1,000.00	\$981.96
358	24-Mar-12	8	10	\$18.22	Yes	\$1,000.00	\$981.78
359	24-Mar-12	8	11	\$18.13	Yes	\$1,000.00	\$981.87
360	24-Mar-12	8	12	\$18.15	Yes	\$1,000.00	\$981.85
361	24-Mar-12	9	1	\$18.06	Yes	\$1,000.00	\$981.94
362	24-Mar-12	9	2	\$18.06	Yes	\$1,000.00	\$981.94
363	24-Mar-12	9	3	\$18.22	Yes	\$1,000.00	\$981.78
364	24-Mar-12	9	4	\$19.02	Yes	\$1,000.00	\$980.98
365	24-Mar-12	9	5	\$19.01	Yes	\$1,000.00	\$980.99
366	24-Mar-12	9	6	\$19.00	Yes	\$1,000.00	\$981.00
367	24-Mar-12	9	7	\$18.98	Yes	\$1,000.00	\$981.02
368	24-Mar-12	9	8	\$19.49	Yes	\$1,000.00	\$980.51
369	24-Mar-12	9	9	\$19.02	Yes	\$1,000.00	\$980.98
370	24-Mar-12	9	10	\$19.03	Yes	\$1,000.00	\$980.97
371	24-Mar-12	9	11	\$19.03	Yes	\$1,000.00	\$980.97
372	24-Mar-12	9	12	\$19.53	Yes	\$1,000.00	\$980.47
373	24-Mar-12	10	1	\$18.22	Yes	\$1,000.00	\$981.78
374	24-Mar-12	10	2	\$18.99	Yes	\$1,000.00	\$981.01
375	24-Mar-12	10	3	\$18.99	Yes	\$1,000.00	\$981.01
376	24-Mar-12	10	4	\$19.02	Yes	\$1,000.00	\$980.98
377	24-Mar-12	10	5	\$21.23	Yes	\$1,000.00	\$978.77
378	24-Mar-12	10	6	\$19.01	Yes	\$1,000.00	\$980.99
379	24-Mar-12	10	7	\$19.01	Yes	\$1,000.00	\$980.99
380	24-Mar-12	10	8	\$19.05	Yes	\$1,000.00	\$980.95
381	24-Mar-12	10	9	\$19.05	Yes	\$1,000.00	\$980.95
382	24-Mar-12	10	10	\$19.08	Yes	\$1,000.00	\$980.92
383	24-Mar-12	10	11	\$19.97	Yes	\$1,000.00	\$980.03
384	24-Mar-12	10	12	\$19.93	Yes	\$1,000.00	\$980.07
385	24-Mar-12	11	1	\$21.20	Yes	\$1,000.00	\$978.80
386	24-Mar-12	11	2	\$21.20	Yes	\$1,000.00	\$978.80
387	24-Mar-12	11	3	\$23.12	Yes	\$1,000.00	\$976.88
388	24-Mar-12	11	4	\$21.21	Yes	\$1,000.00	\$978.79
389	24-Mar-12	11	5	\$26.80	Yes	\$1,000.00	\$973.20
390	24-Mar-12	11	6	\$30.20	Yes	\$1,000.00	\$969.80
391	24-Mar-12	11	7	\$24.37	Yes	\$1,000.00	\$975.63
392	24-Mar-12	11	8	\$24.26	Yes	\$1,000.00	\$975.74
393	24-Mar-12	11	9	\$24.11	Yes	\$1,000.00	\$975.89
394	24-Mar-12	11	10	\$21.25	Yes	\$1,000.00	\$978.75
395	24-Mar-12	11	11	\$21.25	Yes	\$1,000.00	\$978.75
396	24-Mar-12	11	12	\$23.01	Yes	\$1,000.00	\$976.99
397	24-Mar-12	12	1	\$19.99	Yes	\$1,000.00	\$980.01
398	24-Mar-12	12	2	\$20.86	Yes	\$1,000.00	\$979.14
399	24-Mar-12	12	3	\$21.24	Yes	\$1,000.00	\$978.76
400	24-Mar-12	12	4	\$21.23	Yes	\$1,000.00	\$978.77

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
401	24-Mar-12	12	5	\$21.38	Yes	\$1,000.00	\$978.62
402	24-Mar-12	12	6	\$21.23	Yes	\$1,000.00	\$978.77
403	24-Mar-12	12	7	\$21.23	Yes	\$1,000.00	\$978.77
404	24-Mar-12	12	8	\$21.23	Yes	\$1,000.00	\$978.77
405	24-Mar-12	12	9	\$21.23	Yes	\$1,000.00	\$978.77
406	24-Mar-12	12	10	\$21.22	Yes	\$1,000.00	\$978.78
407	24-Mar-12	12	11	\$21.22	Yes	\$1,000.00	\$978.78
408	24-Mar-12	12	12	\$21.22	Yes	\$1,000.00	\$978.78
409	24-Mar-12	13	1	\$19.92	Yes	\$1,000.00	\$980.08
410	24-Mar-12	13	2	\$20.58	Yes	\$1,000.00	\$979.42
411	24-Mar-12	13	3	\$19.82	Yes	\$1,000.00	\$980.18
412	24-Mar-12	13	4	\$19.84	Yes	\$1,000.00	\$980.16
413	24-Mar-12	13	5	\$19.84	Yes	\$1,000.00	\$980.16
414	24-Mar-12	13	6	\$19.74	Yes	\$1,000.00	\$980.26
415	24-Mar-12	13	7	\$18.98	Yes	\$1,000.00	\$981.02
416	24-Mar-12	13	8	\$18.99	Yes	\$1,000.00	\$981.01
417	24-Mar-12	13	9	\$18.99	Yes	\$1,000.00	\$981.01
418	24-Mar-12	13	10	\$19.57	Yes	\$1,000.00	\$980.43
419	24-Mar-12	13	11	\$16.61	Yes	\$1,000.00	\$983.39
420	24-Mar-12	13	12	\$18.17	Yes	\$1,000.00	\$981.83
421	24-Mar-12	14	1	\$17.90	Yes	\$1,000.00	\$982.10
422	24-Mar-12	14	2	\$18.13	Yes	\$1,000.00	\$981.87
423	24-Mar-12	14	3	\$17.90	Yes	\$1,000.00	\$982.10
424	24-Mar-12	14	4	\$17.62	Yes	\$1,000.00	\$982.38
425	24-Mar-12	14	5	\$17.95	Yes	\$1,000.00	\$982.05
426	24-Mar-12	14	6	\$17.62	Yes	\$1,000.00	\$982.38
427	24-Mar-12	14	7	\$17.54	Yes	\$1,000.00	\$982.46
428	24-Mar-12	14	8	\$17.37	Yes	\$1,000.00	\$982.63
429	24-Mar-12	14	9	\$17.37	Yes	\$1,000.00	\$982.63
430	24-Mar-12	14	10	\$17.04	Yes	\$1,000.00	\$982.96
431	24-Mar-12	14	11	\$17.34	Yes	\$1,000.00	\$982.66
432	24-Mar-12	14	12	\$16.74	Yes	\$1,000.00	\$983.26
433	24-Mar-12	15	1	\$17.37	Yes	\$1,000.00	\$982.63
434	24-Mar-12	15	2	\$17.34	Yes	\$1,000.00	\$982.66
435	24-Mar-12	15	3	\$17.34	Yes	\$1,000.00	\$982.66
436	24-Mar-12	15	4	\$17.42	Yes	\$1,000.00	\$982.58
437	24-Mar-12	15	5	\$17.42	Yes	\$1,000.00	\$982.58
438	24-Mar-12	15	6	\$17.42	Yes	\$1,000.00	\$982.58
439	24-Mar-12	15	7	\$17.39	Yes	\$1,000.00	\$982.61
440	24-Mar-12	15	8	\$17.41	Yes	\$1,000.00	\$982.59
441	24-Mar-12	15	9	\$17.04	Yes	\$1,000.00	\$982.96
442	24-Mar-12	15	10	\$17.33	Yes	\$1,000.00	\$982.67
443	24-Mar-12	15	11	\$16.55	Yes	\$1,000.00	\$983.45
444	24-Mar-12	15	12	\$16.58	Yes	\$1,000.00	\$983.42
445	24-Mar-12	16	1	\$16.52	Yes	\$1,000.00	\$983.48

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
446	24-Mar-12	16	2	\$16.49	Yes	\$1,000.00	\$983.51
447	24-Mar-12	16	3	\$16.49	Yes	\$1,000.00	\$983.51
448	24-Mar-12	16	4	\$16.99	Yes	\$1,000.00	\$983.01
449	24-Mar-12	16	5	\$16.55	Yes	\$1,000.00	\$983.45
450	24-Mar-12	16	6	\$16.55	Yes	\$1,000.00	\$983.45
451	24-Mar-12	16	7	\$16.57	Yes	\$1,000.00	\$983.43
452	24-Mar-12	16	8	\$16.63	Yes	\$1,000.00	\$983.37
453	24-Mar-12	16	9	\$16.63	Yes	\$1,000.00	\$983.37
454	24-Mar-12	16	10	\$16.41	Yes	\$1,000.00	\$983.59
455	24-Mar-12	16	11	\$16.55	Yes	\$1,000.00	\$983.45
456	24-Mar-12	16	12	\$17.00	Yes	\$1,000.00	\$983.00
457	24-Mar-12	17	1	\$18.93	Yes	\$1,000.00	\$981.07
458	24-Mar-12	17	2	\$18.92	Yes	\$1,000.00	\$981.08
459	24-Mar-12	17	3	\$18.97	Yes	\$1,000.00	\$981.03
460	24-Mar-12	17	4	\$18.92	Yes	\$1,000.00	\$981.08
461	24-Mar-12	17	5	\$18.97	Yes	\$1,000.00	\$981.03
462	24-Mar-12	17	6	\$18.92	Yes	\$1,000.00	\$981.08
463	24-Mar-12	17	7	\$18.01	Yes	\$1,000.00	\$981.99
464	24-Mar-12	17	8	\$18.97	Yes	\$1,000.00	\$981.03
465	24-Mar-12	17	9	\$18.97	Yes	\$1,000.00	\$981.03
466	24-Mar-12	17	10	\$18.99	Yes	\$1,000.00	\$981.01
467	24-Mar-12	17	11	\$16.44	Yes	\$1,000.00	\$983.56
468	24-Mar-12	17	12	\$17.67	Yes	\$1,000.00	\$982.33
469	24-Mar-12	18	1	\$17.61	Yes	\$1,000.00	\$982.39
470	24-Mar-12	18	2	\$17.61	Yes	\$1,000.00	\$982.39
471	24-Mar-12	18	3	\$18.12	Yes	\$1,000.00	\$981.88
472	24-Mar-12	18	4	\$16.89	Yes	\$1,000.00	\$983.11
473	24-Mar-12	18	5	\$18.95	Yes	\$1,000.00	\$981.05
474	24-Mar-12	18	6	\$18.98	Yes	\$1,000.00	\$981.02
475	24-Mar-12	18	7	\$18.99	Yes	\$1,000.00	\$981.01
476	24-Mar-12	18	8	\$18.93	Yes	\$1,000.00	\$981.07
477	24-Mar-12	18	9	\$18.99	Yes	\$1,000.00	\$981.01
478	24-Mar-12	18	10	\$19.04	Yes	\$1,000.00	\$980.96
479	24-Mar-12	18	11	\$19.03	Yes	\$1,000.00	\$980.97
480	24-Mar-12	18	12	\$19.03	Yes	\$1,000.00	\$980.97
481	24-Mar-12	19	1	\$18.32	Yes	\$1,000.00	\$981.68
482	24-Mar-12	19	2	\$18.32	Yes	\$1,000.00	\$981.68
483	24-Mar-12	19	3	\$18.33	Yes	\$1,000.00	\$981.67
484	24-Mar-12	19	4	\$18.81	Yes	\$1,000.00	\$981.19
485	24-Mar-12	19	5	\$18.81	Yes	\$1,000.00	\$981.19
486	24-Mar-12	19	6	\$18.45	Yes	\$1,000.00	\$981.55
487	24-Mar-12	19	7	\$19.08	Yes	\$1,000.00	\$980.92
488	24-Mar-12	19	8	\$19.02	Yes	\$1,000.00	\$980.98
489	24-Mar-12	19	9	\$18.86	Yes	\$1,000.00	\$981.14
490	24-Mar-12	19	10	\$19.09	Yes	\$1,000.00	\$980.91

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
491	24-Mar-12	19	11	\$19.05	Yes	\$1,000.00	\$980.95
492	24-Mar-12	19	12	\$19.12	Yes	\$1,000.00	\$980.88
493	24-Mar-12	20	1	\$19.11	Yes	\$1,000.00	\$980.89
494	24-Mar-12	20	2	\$19.12	Yes	\$1,000.00	\$980.88
495	24-Mar-12	20	3	\$18.17	Yes	\$1,000.00	\$981.83
496	24-Mar-12	20	4	\$25.21	Yes	\$1,000.00	\$974.79
497	24-Mar-12	20	5	\$28.54	Yes	\$1,000.00	\$971.46
498	24-Mar-12	20	6	\$25.22	Yes	\$1,000.00	\$974.78
499	24-Mar-12	20	7	\$25.26	Yes	\$1,000.00	\$974.74
500	24-Mar-12	20	8	\$23.67	Yes	\$1,000.00	\$976.33
501	24-Mar-12	20	9	\$29.72	Yes	\$1,000.00	\$970.28
502	24-Mar-12	20	10	\$28.50	Yes	\$1,000.00	\$971.50
503	24-Mar-12	20	11	\$22.13	Yes	\$1,000.00	\$977.87
504	24-Mar-12	20	12	\$23.39	Yes	\$1,000.00	\$976.61
505	24-Mar-12	21	1	\$23.39	Yes	\$1,000.00	\$976.61
506	24-Mar-12	21	2	\$23.20	Yes	\$1,000.00	\$976.80
507	24-Mar-12	21	3	\$24.89	Yes	\$1,000.00	\$975.11
508	24-Mar-12	21	4	\$17.67	Yes	\$1,000.00	\$982.33
509	24-Mar-12	21	5	\$17.52	Yes	\$1,000.00	\$982.48
510	24-Mar-12	21	6	\$18.21	Yes	\$1,000.00	\$981.79
511	24-Mar-12	21	7	\$17.94	Yes	\$1,000.00	\$982.06
512	24-Mar-12	21	8	\$19.11	Yes	\$1,000.00	\$980.89
513	24-Mar-12	21	9	\$22.97	Yes	\$1,000.00	\$977.03
514	24-Mar-12	21	10	\$19.03	Yes	\$1,000.00	\$980.97
515	24-Mar-12	21	11	\$19.10	Yes	\$1,000.00	\$980.90
516	24-Mar-12	21	12	\$17.27	Yes	\$1,000.00	\$982.73
517	24-Mar-12	22	1	\$19.91	Yes	\$1,000.00	\$980.09
518	24-Mar-12	22	2	\$19.94	Yes	\$1,000.00	\$980.06
519	24-Mar-12	22	3	\$20.08	Yes	\$1,000.00	\$979.92
520	24-Mar-12	22	4	\$27.78	Yes	\$1,000.00	\$972.22
521	24-Mar-12	22	5	\$24.53	Yes	\$1,000.00	\$975.47
522	24-Mar-12	22	6	\$23.43	Yes	\$1,000.00	\$976.57
523	24-Mar-12	22	7	\$20.33	Yes	\$1,000.00	\$979.67
524	24-Mar-12	22	8	\$19.90	Yes	\$1,000.00	\$980.10
525	24-Mar-12	22	9	\$19.29	Yes	\$1,000.00	\$980.71
526	24-Mar-12	22	10	\$15.86	Yes	\$1,000.00	\$984.14
527	24-Mar-12	22	11	\$17.75	Yes	\$1,000.00	\$982.25
528	24-Mar-12	22	12	\$17.62	Yes	\$1,000.00	\$982.38
529	24-Mar-12	23	1	\$20.77	Yes	\$1,000.00	\$979.23
530	24-Mar-12	23	2	\$19.71	Yes	\$1,000.00	\$980.29
531	24-Mar-12	23	3	\$19.11	Yes	\$1,000.00	\$980.89
532	24-Mar-12	23	4	\$19.05	Yes	\$1,000.00	\$980.95
533	24-Mar-12	23	5	\$17.95	Yes	\$1,000.00	\$982.05
534	24-Mar-12	23	6	\$17.51	Yes	\$1,000.00	\$982.49
535	24-Mar-12	23	7	\$16.94	Yes	\$1,000.00	\$983.06

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
536	24-Mar-12	23	8	\$16.76	Yes	\$1,000.00	\$983.24
537	24-Mar-12	23	9	\$16.72	Yes	\$1,000.00	\$983.28
538	24-Mar-12	23	10	\$16.59	Yes	\$1,000.00	\$983.41
539	24-Mar-12	23	11	\$14.71	Yes	\$1,000.00	\$985.29
540	24-Mar-12	23	12	\$5.88	Yes	\$1,000.00	\$994.12
541	24-Mar-12	24	1	\$22.31	Yes	\$1,000.00	\$977.69
542	24-Mar-12	24	2	\$21.02	Yes	\$1,000.00	\$978.98
543	24-Mar-12	24	3	\$17.47	Yes	\$1,000.00	\$982.53
544	24-Mar-12	24	4	\$17.00	Yes	\$1,000.00	\$983.00
545	24-Mar-12	24	5	\$16.93	Yes	\$1,000.00	\$983.07
546	24-Mar-12	24	6	\$16.91	Yes	\$1,000.00	\$983.09
547	24-Mar-12	24	7	\$16.81	Yes	\$1,000.00	\$983.19
548	24-Mar-12	24	8	\$16.52	Yes	\$1,000.00	\$983.48
549	24-Mar-12	24	9	\$16.18	Yes	\$1,000.00	\$983.82
550	24-Mar-12	24	10	\$10.45	Yes	\$1,000.00	\$989.55
551	24-Mar-12	24	11	\$14.63	Yes	\$1,000.00	\$985.37
552	24-Mar-12	24	12	\$8.76	Yes	\$1,000.00	\$991.24
553	25-Mar-12	2	9	\$16.34	No	\$19.91	\$3.57
554	25-Mar-12	2	10	\$16.34	No	\$19.91	\$3.57
555	25-Mar-12	2	11	\$16.34	No	\$19.91	\$3.57
556	25-Mar-12	2	12	\$16.34	No	\$19.91	\$3.57
557	25-Mar-12	3	1	\$16.18	No	\$1,000.00	\$983.82
558	25-Mar-12	3	2	\$16.18	No	\$1,000.00	\$983.82
559	25-Mar-12	3	3	\$16.18	No	\$1,000.00	\$983.82
560	25-Mar-12	3	4	\$16.18	No	\$1,000.00	\$983.82
561	27-Mar-12	3	1	\$19.04	Yes	\$1,000.00	\$980.96
562	27-Mar-12	3	2	\$19.08	Yes	\$1,000.00	\$980.92
563	27-Mar-12	3	3	\$19.04	Yes	\$1,000.00	\$980.96
564	27-Mar-12	3	4	\$19.02	Yes	\$1,000.00	\$980.98
565	27-Mar-12	3	5	\$19.05	Yes	\$1,000.00	\$980.95
566	27-Mar-12	3	6	\$19.05	Yes	\$1,000.00	\$980.95
567	27-Mar-12	3	7	\$19.06	Yes	\$1,000.00	\$980.94
568	27-Mar-12	3	8	\$20.39	Yes	\$1,000.00	\$979.61
569	27-Mar-12	3	9	\$21.04	Yes	\$1,000.00	\$978.96
570	27-Mar-12	3	10	\$21.00	Yes	\$1,000.00	\$979.00
571	27-Mar-12	3	11	\$20.52	Yes	\$1,000.00	\$979.48
572	27-Mar-12	3	12	\$20.54	Yes	\$1,000.00	\$979.46
573	27-Mar-12	4	1	\$18.82	Yes	\$1,000.00	\$981.18
574	27-Mar-12	4	2	\$18.76	Yes	\$1,000.00	\$981.24
575	27-Mar-12	4	3	\$17.90	Yes	\$1,000.00	\$982.10
576	27-Mar-12	4	4	\$18.34	Yes	\$1,000.00	\$981.66
577	27-Mar-12	4	5	\$18.34	Yes	\$1,000.00	\$981.66
578	27-Mar-12	4	6	\$18.34	Yes	\$1,000.00	\$981.66
579	27-Mar-12	4	7	\$18.76	Yes	\$1,000.00	\$981.24
580	27-Mar-12	4	8	\$18.98	Yes	\$1,000.00	\$981.02

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
581	27-Mar-12	4	9	\$18.98	Yes	\$1,000.00	\$981.02
582	27-Mar-12	4	10	\$18.97	Yes	\$1,000.00	\$981.03
583	27-Mar-12	4	11	\$18.49	Yes	\$1,000.00	\$981.51
584	27-Mar-12	4	12	\$18.73	Yes	\$1,000.00	\$981.27
585	27-Mar-12	5	1	\$17.69	Yes	\$1,000.00	\$982.31
586	27-Mar-12	5	2	\$18.57	Yes	\$1,000.00	\$981.43
587	27-Mar-12	5	3	\$18.42	Yes	\$1,000.00	\$981.58
588	27-Mar-12	5	4	\$18.51	Yes	\$1,000.00	\$981.49
589	27-Mar-12	5	5	\$18.66	Yes	\$1,000.00	\$981.34
590	27-Mar-12	5	6	\$18.82	Yes	\$1,000.00	\$981.18
591	27-Mar-12	5	7	\$18.55	Yes	\$1,000.00	\$981.45
592	27-Mar-12	5	8	\$18.55	Yes	\$1,000.00	\$981.45
593	27-Mar-12	5	9	\$18.55	Yes	\$1,000.00	\$981.45
594	27-Mar-12	5	10	\$17.00	Yes	\$1,000.00	\$983.00
595	27-Mar-12	5	11	\$18.60	Yes	\$1,000.00	\$981.40
596	27-Mar-12	5	12	\$20.60	Yes	\$1,000.00	\$979.40
597	27-Mar-12	6	1	\$18.62	Yes	\$1,000.00	\$981.38
598	27-Mar-12	6	2	\$19.02	Yes	\$1,000.00	\$980.98
599	27-Mar-12	6	3	\$18.24	Yes	\$1,000.00	\$981.76
600	27-Mar-12	6	4	\$18.71	Yes	\$1,000.00	\$981.29
601	27-Mar-12	6	5	\$19.01	Yes	\$1,000.00	\$980.99
602	27-Mar-12	6	6	\$22.40	Yes	\$1,000.00	\$977.60
603	27-Mar-12	6	7	\$25.71	Yes	\$1,000.00	\$974.29
604	27-Mar-12	6	8	\$996.42	Yes	\$1,000.00	\$3.58
605	27-Mar-12	6	9	\$36.17	Yes	\$1,000.00	\$963.83
606	27-Mar-12	6	10	\$39.45	Yes	\$1,000.00	\$960.55
607	27-Mar-12	6	11	\$27.96	Yes	\$1,000.00	\$972.04
608	27-Mar-12	6	12	\$46.05	Yes	\$1,000.00	\$953.95
609	27-Mar-12	7	1	\$16.81	Yes	\$1,000.00	\$983.19
610	27-Mar-12	7	2	\$18.02	Yes	\$1,000.00	\$981.98
611	27-Mar-12	7	3	\$18.92	Yes	\$1,000.00	\$981.08
612	27-Mar-12	7	4	\$21.09	Yes	\$1,000.00	\$978.91
613	27-Mar-12	7	5	\$24.00	Yes	\$1,000.00	\$976.00
614	27-Mar-12	7	6	\$25.46	Yes	\$1,000.00	\$974.54
615	27-Mar-12	7	7	\$40.57	Yes	\$1,000.00	\$959.43
616	27-Mar-12	7	8	\$33.92	Yes	\$1,000.00	\$966.08
617	27-Mar-12	7	9	\$31.26	Yes	\$1,000.00	\$968.74
618	27-Mar-12	7	10	\$27.70	Yes	\$1,000.00	\$972.30
619	27-Mar-12	7	11	\$30.37	Yes	\$1,000.00	\$969.63
620	27-Mar-12	7	12	\$34.77	Yes	\$1,000.00	\$965.23
621	27-Mar-12	8	1	\$21.29	Yes	\$1,000.00	\$978.71
622	27-Mar-12	8	2	\$22.43	Yes	\$1,000.00	\$977.57
623	27-Mar-12	8	3	\$21.90	Yes	\$1,000.00	\$978.10
624	27-Mar-12	8	4	\$21.93	Yes	\$1,000.00	\$978.07
625	27-Mar-12	8	5	\$22.46	Yes	\$1,000.00	\$977.54

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
626	27-Mar-12	8	6	\$22.82	Yes	\$1,000.00	\$977.18
627	27-Mar-12	8	7	\$22.83	Yes	\$1,000.00	\$977.17
628	27-Mar-12	8	8	\$21.92	Yes	\$1,000.00	\$978.08
629	27-Mar-12	8	9	\$20.75	Yes	\$1,000.00	\$979.25
630	27-Mar-12	8	10	\$21.37	Yes	\$1,000.00	\$978.63
631	27-Mar-12	8	11	\$21.35	Yes	\$1,000.00	\$978.65
632	27-Mar-12	8	12	\$21.92	Yes	\$1,000.00	\$978.08
633	27-Mar-12	9	1	\$21.39	Yes	\$1,000.00	\$978.61
634	27-Mar-12	9	2	\$21.78	Yes	\$1,000.00	\$978.22
635	27-Mar-12	9	3	\$21.78	Yes	\$1,000.00	\$978.22
636	27-Mar-12	9	4	\$21.86	Yes	\$1,000.00	\$978.14
637	27-Mar-12	9	5	\$24.02	Yes	\$1,000.00	\$975.98
638	27-Mar-12	9	6	\$24.02	Yes	\$1,000.00	\$975.98
639	27-Mar-12	9	7	\$24.56	Yes	\$1,000.00	\$975.44
640	27-Mar-12	9	8	\$27.39	Yes	\$1,000.00	\$972.61
641	27-Mar-12	9	9	\$24.00	Yes	\$1,000.00	\$976.00
642	27-Mar-12	9	10	\$28.03	Yes	\$1,000.00	\$971.97
643	27-Mar-12	9	11	\$27.44	Yes	\$1,000.00	\$972.56
644	27-Mar-12	9	12	\$24.94	Yes	\$1,000.00	\$975.06
645	27-Mar-12	10	1	\$21.88	Yes	\$1,000.00	\$978.12
646	27-Mar-12	10	2	\$19.87	Yes	\$1,000.00	\$980.13
647	27-Mar-12	10	3	\$18.92	Yes	\$1,000.00	\$981.08
648	27-Mar-12	10	4	\$21.87	Yes	\$1,000.00	\$978.13
649	27-Mar-12	10	5	\$19.26	Yes	\$1,000.00	\$980.74
650	27-Mar-12	10	6	\$20.33	Yes	\$1,000.00	\$979.67
651	27-Mar-12	10	7	\$20.52	Yes	\$1,000.00	\$979.48
652	27-Mar-12	10	8	\$21.83	Yes	\$1,000.00	\$978.17
653	27-Mar-12	10	9	\$21.83	Yes	\$1,000.00	\$978.17
654	27-Mar-12	10	10	\$20.48	Yes	\$1,000.00	\$979.52
655	27-Mar-12	10	11	\$19.86	Yes	\$1,000.00	\$980.14
656	27-Mar-12	10	12	\$19.86	Yes	\$1,000.00	\$980.14
657	27-Mar-12	11	1	\$20.66	Yes	\$1,000.00	\$979.34
658	27-Mar-12	11	2	\$20.50	Yes	\$1,000.00	\$979.50
659	27-Mar-12	11	3	\$19.87	Yes	\$1,000.00	\$980.13
660	27-Mar-12	11	4	\$21.86	Yes	\$1,000.00	\$978.14
661	27-Mar-12	11	5	\$21.85	Yes	\$1,000.00	\$978.15
662	27-Mar-12	11	6	\$21.91	Yes	\$1,000.00	\$978.09
663	27-Mar-12	11	7	\$21.88	Yes	\$1,000.00	\$978.12
664	27-Mar-12	11	8	\$21.90	Yes	\$1,000.00	\$978.10
665	27-Mar-12	11	9	\$22.42	Yes	\$1,000.00	\$977.58
666	27-Mar-12	11	10	\$23.39	Yes	\$1,000.00	\$976.61
667	27-Mar-12	11	11	\$23.39	Yes	\$1,000.00	\$976.61
668	27-Mar-12	11	12	\$24.02	Yes	\$1,000.00	\$975.98
669	27-Mar-12	12	1	\$25.00	Yes	\$1,000.00	\$975.00
670	27-Mar-12	12	2	\$25.00	Yes	\$1,000.00	\$975.00

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
671	27-Mar-12	12	3	\$24.80	Yes	\$1,000.00	\$975.20
672	27-Mar-12	12	4	\$29.86	Yes	\$1,000.00	\$970.14
673	27-Mar-12	12	5	\$27.71	Yes	\$1,000.00	\$972.29
674	27-Mar-12	12	6	\$27.31	Yes	\$1,000.00	\$972.69
675	27-Mar-12	12	7	\$27.30	Yes	\$1,000.00	\$972.70
676	27-Mar-12	12	8	\$27.31	Yes	\$1,000.00	\$972.69
677	27-Mar-12	12	9	\$26.68	Yes	\$1,000.00	\$973.32
678	27-Mar-12	12	10	\$27.79	Yes	\$1,000.00	\$972.21
679	27-Mar-12	12	11	\$64.57	Yes	\$1,000.00	\$935.43
680	27-Mar-12	12	12	\$25.04	Yes	\$1,000.00	\$974.96
681	27-Mar-12	13	1	\$28.53	Yes	\$1,000.00	\$971.47
682	27-Mar-12	13	2	\$27.34	Yes	\$1,000.00	\$972.66
683	27-Mar-12	13	3	\$25.08	Yes	\$1,000.00	\$974.92
684	27-Mar-12	13	4	\$24.93	Yes	\$1,000.00	\$975.07
685	27-Mar-12	13	5	\$25.62	Yes	\$1,000.00	\$974.38
686	27-Mar-12	13	6	\$24.83	Yes	\$1,000.00	\$975.17
687	27-Mar-12	13	7	\$27.02	Yes	\$1,000.00	\$972.98
688	27-Mar-12	13	8	\$27.64	Yes	\$1,000.00	\$972.36
689	27-Mar-12	13	9	\$27.33	Yes	\$1,000.00	\$972.67
690	27-Mar-12	13	10	\$27.99	Yes	\$1,000.00	\$972.01
691	27-Mar-12	13	11	\$27.32	Yes	\$1,000.00	\$972.68
692	27-Mar-12	13	12	\$27.32	Yes	\$1,000.00	\$972.68
693	27-Mar-12	14	1	\$27.66	Yes	\$1,000.00	\$972.34
694	27-Mar-12	14	2	\$27.66	Yes	\$1,000.00	\$972.34
695	27-Mar-12	14	3	\$27.29	Yes	\$1,000.00	\$972.71
696	27-Mar-12	14	4	\$24.49	Yes	\$1,000.00	\$975.51
697	27-Mar-12	14	5	\$27.04	Yes	\$1,000.00	\$972.96
698	27-Mar-12	14	6	\$27.30	Yes	\$1,000.00	\$972.70
699	27-Mar-12	14	7	\$24.58	Yes	\$1,000.00	\$975.42
700	27-Mar-12	14	8	\$27.05	Yes	\$1,000.00	\$972.95
701	27-Mar-12	14	9	\$31.10	Yes	\$1,000.00	\$968.90
702	27-Mar-12	14	10	\$28.51	Yes	\$1,000.00	\$971.49
703	27-Mar-12	14	11	\$27.29	Yes	\$1,000.00	\$972.71
704	27-Mar-12	14	12	\$24.46	Yes	\$1,000.00	\$975.54
705	27-Mar-12	15	1	\$21.75	Yes	\$1,000.00	\$978.25
706	27-Mar-12	15	2	\$22.49	Yes	\$1,000.00	\$977.51
707	27-Mar-12	15	3	\$24.56	Yes	\$1,000.00	\$975.44
708	27-Mar-12	15	4	\$27.65	Yes	\$1,000.00	\$972.35
709	27-Mar-12	15	5	\$25.56	Yes	\$1,000.00	\$974.44
710	27-Mar-12	15	6	\$25.56	Yes	\$1,000.00	\$974.44
711	27-Mar-12	15	7	\$21.71	Yes	\$1,000.00	\$978.29
712	27-Mar-12	15	8	\$17.19	Yes	\$1,000.00	\$982.81
713	27-Mar-12	15	9	\$16.89	Yes	\$1,000.00	\$983.11
714	27-Mar-12	15	10	\$17.20	Yes	\$1,000.00	\$982.80
715	27-Mar-12	15	11	\$17.20	Yes	\$1,000.00	\$982.80

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
716	27-Mar-12	15	12	\$17.20	Yes	\$1,000.00	\$982.80
717	27-Mar-12	16	1	\$16.89	Yes	\$1,000.00	\$983.11
718	27-Mar-12	16	2	\$19.14	Yes	\$1,000.00	\$980.86
719	27-Mar-12	16	3	\$17.22	Yes	\$1,000.00	\$982.78
720	27-Mar-12	16	4	\$16.26	Yes	\$1,000.00	\$983.74
721	27-Mar-12	16	5	\$17.05	Yes	\$1,000.00	\$982.95
722	27-Mar-12	16	6	\$17.26	Yes	\$1,000.00	\$982.74
723	27-Mar-12	16	7	\$19.01	Yes	\$1,000.00	\$980.99
724	27-Mar-12	16	8	\$15.61	Yes	\$1,000.00	\$984.39
725	27-Mar-12	16	9	\$16.70	Yes	\$1,000.00	\$983.30
726	27-Mar-12	16	10	\$16.14	Yes	\$1,000.00	\$983.86
727	27-Mar-12	16	11	\$16.63	Yes	\$1,000.00	\$983.37
728	27-Mar-12	16	12	\$16.96	Yes	\$1,000.00	\$983.04
729	27-Mar-12	17	1	\$19.27	Yes	\$1,000.00	\$980.73
730	27-Mar-12	17	2	\$17.40	Yes	\$1,000.00	\$982.60
731	27-Mar-12	17	3	\$16.04	Yes	\$1,000.00	\$983.96
732	27-Mar-12	17	4	\$19.12	Yes	\$1,000.00	\$980.88
733	27-Mar-12	17	5	\$19.17	Yes	\$1,000.00	\$980.83
734	27-Mar-12	17	6	\$19.15	Yes	\$1,000.00	\$980.85
735	27-Mar-12	17	7	\$16.99	Yes	\$1,000.00	\$983.01
736	27-Mar-12	17	8	\$16.96	Yes	\$1,000.00	\$983.04
737	27-Mar-12	17	9	\$16.95	Yes	\$1,000.00	\$983.05
738	27-Mar-12	17	10	\$17.53	Yes	\$1,000.00	\$982.47
739	27-Mar-12	17	11	\$16.91	Yes	\$1,000.00	\$983.09
740	27-Mar-12	17	12	\$16.91	Yes	\$1,000.00	\$983.09
741	27-Mar-12	18	1	\$18.72	Yes	\$1,000.00	\$981.28
742	27-Mar-12	18	2	\$17.58	Yes	\$1,000.00	\$982.42
743	27-Mar-12	18	3	\$17.97	Yes	\$1,000.00	\$982.03
744	27-Mar-12	18	4	\$19.12	Yes	\$1,000.00	\$980.88
745	27-Mar-12	18	5	\$19.55	Yes	\$1,000.00	\$980.45
746	27-Mar-12	18	6	\$19.72	Yes	\$1,000.00	\$980.28
747	27-Mar-12	18	7	\$19.74	Yes	\$1,000.00	\$980.26
748	27-Mar-12	18	8	\$21.23	Yes	\$1,000.00	\$978.77
749	27-Mar-12	18	9	\$21.23	Yes	\$1,000.00	\$978.77
750	27-Mar-12	18	10	\$21.90	Yes	\$1,000.00	\$978.10
751	27-Mar-12	18	11	\$22.13	Yes	\$1,000.00	\$977.87
752	27-Mar-12	18	12	\$22.13	Yes	\$1,000.00	\$977.87
753	27-Mar-12	19	1	\$19.16	Yes	\$1,000.00	\$980.84
754	27-Mar-12	19	2	\$19.70	Yes	\$1,000.00	\$980.30
755	27-Mar-12	19	3	\$21.44	Yes	\$1,000.00	\$978.56
756	27-Mar-12	19	4	\$24.36	Yes	\$1,000.00	\$975.64
757	27-Mar-12	19	5	\$24.36	Yes	\$1,000.00	\$975.64
758	27-Mar-12	19	6	\$25.15	Yes	\$1,000.00	\$974.85
759	27-Mar-12	19	7	\$30.95	Yes	\$1,000.00	\$969.05
760	27-Mar-12	19	8	\$29.37	Yes	\$1,000.00	\$970.63

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
761	27-Mar-12	19	9	\$31.40	Yes	\$1,000.00	\$968.60
762	27-Mar-12	19	10	\$31.11	Yes	\$1,000.00	\$968.89
763	27-Mar-12	19	11	\$31.81	Yes	\$1,000.00	\$968.19
764	27-Mar-12	19	12	\$34.72	Yes	\$1,000.00	\$965.28
765	27-Mar-12	20	1	\$19.72	Yes	\$1,000.00	\$980.28
766	27-Mar-12	20	2	\$21.34	Yes	\$1,000.00	\$978.66
767	27-Mar-12	20	3	\$22.00	Yes	\$1,000.00	\$978.00
768	27-Mar-12	20	4	\$28.21	Yes	\$1,000.00	\$971.79
769	27-Mar-12	20	5	\$35.31	Yes	\$1,000.00	\$964.69
770	27-Mar-12	20	6	\$35.31	Yes	\$1,000.00	\$964.69
771	27-Mar-12	20	7	\$101.89	Yes	\$1,000.00	\$898.11
772	27-Mar-12	20	8	\$533.52	Yes	\$1,000.00	\$466.48
773	27-Mar-12	20	9	\$39.34	Yes	\$1,000.00	\$960.66
774	27-Mar-12	20	10	\$101.74	Yes	\$1,000.00	\$898.26
775	27-Mar-12	20	11	\$35.45	Yes	\$1,000.00	\$964.55
776	27-Mar-12	20	12	\$35.29	Yes	\$1,000.00	\$964.71
777	27-Mar-12	21	1	\$29.23	Yes	\$1,000.00	\$970.77
778	27-Mar-12	21	2	\$30.94	Yes	\$1,000.00	\$969.06
779	27-Mar-12	21	3	\$22.74	Yes	\$1,000.00	\$977.26
780	27-Mar-12	21	4	\$21.99	Yes	\$1,000.00	\$978.01
781	27-Mar-12	21	5	\$21.99	Yes	\$1,000.00	\$978.01
782	27-Mar-12	21	6	\$21.99	Yes	\$1,000.00	\$978.01
783	27-Mar-12	21	7	\$21.97	Yes	\$1,000.00	\$978.03
784	27-Mar-12	21	8	\$21.92	Yes	\$1,000.00	\$978.08
785	27-Mar-12	21	9	\$21.13	Yes	\$1,000.00	\$978.87
786	27-Mar-12	21	10	\$19.90	Yes	\$1,000.00	\$980.10
787	27-Mar-12	21	11	\$19.26	Yes	\$1,000.00	\$980.74
788	27-Mar-12	21	12	\$21.91	Yes	\$1,000.00	\$978.09
789	27-Mar-12	22	1	\$131.47	Yes	\$1,000.00	\$868.53
790	27-Mar-12	22	2	\$43.32	Yes	\$1,000.00	\$956.68
791	27-Mar-12	22	3	\$35.84	Yes	\$1,000.00	\$964.16
792	27-Mar-12	22	4	\$52.49	Yes	\$1,000.00	\$947.51
793	27-Mar-12	22	5	\$36.65	Yes	\$1,000.00	\$963.35
794	27-Mar-12	22	6	\$46.42	Yes	\$1,000.00	\$953.58
795	27-Mar-12	22	7	\$39.70	Yes	\$1,000.00	\$960.30
796	27-Mar-12	22	8	\$35.78	Yes	\$1,000.00	\$964.22
797	27-Mar-12	22	9	\$25.71	Yes	\$1,000.00	\$974.29
798	27-Mar-12	22	10	\$27.22	Yes	\$1,000.00	\$972.78
799	27-Mar-12	22	11	\$22.57	Yes	\$1,000.00	\$977.43
800	27-Mar-12	22	12	\$21.83	Yes	\$1,000.00	\$978.17
801	27-Mar-12	23	1	\$31.97	Yes	\$1,000.00	\$968.03
802	27-Mar-12	23	2	\$35.30	Yes	\$1,000.00	\$964.70
803	27-Mar-12	23	3	\$21.85	Yes	\$1,000.00	\$978.15
804	27-Mar-12	23	4	\$21.85	Yes	\$1,000.00	\$978.15
805	27-Mar-12	23	5	\$21.85	Yes	\$1,000.00	\$978.15

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
806	27-Mar-12	23	6	\$19.89	Yes	\$1,000.00	\$980.11
807	27-Mar-12	23	7	\$20.72	Yes	\$1,000.00	\$979.28
808	27-Mar-12	23	8	\$18.89	Yes	\$1,000.00	\$981.11
809	27-Mar-12	23	9	\$18.51	Yes	\$1,000.00	\$981.49
810	27-Mar-12	23	10	\$18.44	Yes	\$1,000.00	\$981.56
811	27-Mar-12	23	11	\$17.25	Yes	\$1,000.00	\$982.75
812	27-Mar-12	23	12	\$16.62	Yes	\$1,000.00	\$983.38
813	27-Mar-12	24	1	\$19.69	Yes	\$1,000.00	\$980.31
814	27-Mar-12	24	2	\$19.42	Yes	\$1,000.00	\$980.58
815	27-Mar-12	24	3	\$19.37	Yes	\$1,000.00	\$980.63
816	27-Mar-12	24	4	\$18.41	Yes	\$1,000.00	\$981.59
817	27-Mar-12	24	5	\$16.85	Yes	\$1,000.00	\$983.15
818	27-Mar-12	24	6	\$16.55	Yes	\$1,000.00	\$983.45
819	27-Mar-12	24	7	\$5.26	Yes	\$1,000.00	\$994.74
820	27-Mar-12	24	8	\$12.26	Yes	\$1,000.00	\$987.74
821	27-Mar-12	24	9	\$12.26	Yes	\$1,000.00	\$987.74
822	27-Mar-12	24	10	\$12.23	Yes	\$1,000.00	\$987.77
823	27-Mar-12	24	11	\$12.23	Yes	\$1,000.00	\$987.77
824	27-Mar-12	24	12	\$5.25	Yes	\$1,000.00	\$994.75
825	29-Mar-12	8	2	\$16.38	No	\$0.00	(\$16.38)
826	29-Mar-12	8	3	\$17.94	No	\$0.00	(\$17.94)
827	29-Mar-12	8	4	\$18.46	No	\$0.00	(\$18.46)
828	29-Mar-12	8	5	\$18.46	No	\$0.00	(\$18.46)
829	29-Mar-12	8	6	\$18.83	No	\$0.00	(\$18.83)
830	29-Mar-12	8	7	\$18.85	No	\$0.00	(\$18.85)
831	29-Mar-12	8	8	\$18.80	No	\$0.00	(\$18.80)
832	29-Mar-12	8	9	\$18.80	No	\$0.00	(\$18.80)
833	29-Mar-12	8	10	\$18.68	No	\$0.00	(\$18.68)
834	29-Mar-12	8	11	\$18.80	No	\$0.00	(\$18.80)
835	29-Mar-12	8	12	\$18.80	No	\$0.00	(\$18.80)
836	29-Mar-12	9	1	\$19.34	No	\$0.00	(\$19.34)
837	29-Mar-12	9	2	\$19.34	No	\$0.00	(\$19.34)
838	29-Mar-12	9	3	\$18.90	No	\$0.00	(\$18.90)
839	29-Mar-12	9	4	\$19.19	No	\$0.00	(\$19.19)
840	29-Mar-12	9	5	\$19.19	No	\$0.00	(\$19.19)
841	29-Mar-12	9	6	\$19.19	No	\$0.00	(\$19.19)
842	29-Mar-12	9	7	\$19.21	No	\$0.00	(\$19.21)
843	29-Mar-12	9	8	\$18.82	No	\$0.00	(\$18.82)
844	29-Mar-12	9	9	\$18.83	No	\$0.00	(\$18.83)
845	29-Mar-12	9	10	\$18.87	No	\$0.00	(\$18.87)
846	29-Mar-12	9	11	\$18.88	No	\$0.00	(\$18.88)
847	29-Mar-12	9	12	\$18.86	No	\$0.00	(\$18.86)
848	29-Mar-12	10	1	\$18.78	No	\$0.00	(\$18.78)
849	29-Mar-12	10	2	\$18.75	No	\$0.00	(\$18.75)
850	29-Mar-12	10	3	\$18.05	No	\$0.00	(\$18.05)

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
851	29-Mar-12	10	4	\$18.26	No	\$0.00	(\$18.26)
852	29-Mar-12	10	5	\$18.10	No	\$0.00	(\$18.10)
853	29-Mar-12	10	6	\$18.25	No	\$0.00	(\$18.25)
854	29-Mar-12	10	7	\$18.10	No	\$0.00	(\$18.10)
855	29-Mar-12	10	8	\$17.94	No	\$0.00	(\$17.94)
856	29-Mar-12	10	9	\$18.52	No	\$0.00	(\$18.52)
857	29-Mar-12	10	10	\$18.83	No	\$0.00	(\$18.83)
858	29-Mar-12	10	11	\$20.12	No	\$0.00	(\$20.12)
859	29-Mar-12	10	12	\$26.04	No	\$0.00	(\$26.04)
860	29-Mar-12	11	1	\$18.79	No	\$0.00	(\$18.79)
861	29-Mar-12	11	2	\$19.70	No	\$0.00	(\$19.70)
862	29-Mar-12	11	3	\$21.69	No	\$0.00	(\$21.69)
863	29-Mar-12	11	4	\$23.36	No	\$0.00	(\$23.36)
864	29-Mar-12	11	5	\$23.44	No	\$0.00	(\$23.44)
865	29-Mar-12	11	6	\$18.28	No	\$0.00	(\$18.28)
866	29-Mar-12	11	7	\$18.27	No	\$0.00	(\$18.27)
867	29-Mar-12	11	8	\$18.13	No	\$0.00	(\$18.13)
868	29-Mar-12	11	9	\$18.42	No	\$0.00	(\$18.42)
869	29-Mar-12	11	10	\$22.04	No	\$0.00	(\$22.04)
870	29-Mar-12	11	11	\$21.17	No	\$0.00	(\$21.17)
871	29-Mar-12	11	12	\$22.72	No	\$0.00	(\$22.72)
872	29-Mar-12	12	1	\$30.57	No	\$0.00	(\$30.57)
873	29-Mar-12	12	2	\$28.74	No	\$0.00	(\$28.74)
874	29-Mar-12	12	3	\$32.23	No	\$0.00	(\$32.23)
875	29-Mar-12	12	4	\$29.04	No	\$0.00	(\$29.04)
876	29-Mar-12	12	5	\$29.04	No	\$0.00	(\$29.04)
877	29-Mar-12	12	6	\$28.05	No	\$0.00	(\$28.05)
878	29-Mar-12	12	7	\$27.96	No	\$0.00	(\$27.96)
879	29-Mar-12	12	8	\$31.84	No	\$0.00	(\$31.84)
880	29-Mar-12	12	9	\$30.18	No	\$0.00	(\$30.18)
881	29-Mar-12	12	10	\$45.04	No	\$0.00	(\$45.04)
882	29-Mar-12	12	11	\$39.26	No	\$0.00	(\$39.26)
883	29-Mar-12	12	12	\$89.27	No	\$0.00	(\$89.27)
884	29-Mar-12	13	1	\$966.27	No	\$0.00	(\$966.27)
885	29-Mar-12	13	2	\$99.69	No	\$0.00	(\$99.69)
886	29-Mar-12	13	3	\$42.90	No	\$0.00	(\$42.90)
887	29-Mar-12	13	4	\$28.09	No	\$0.00	(\$28.09)
888	29-Mar-12	13	5	\$25.29	No	\$0.00	(\$25.29)
889	29-Mar-12	13	6	\$26.56	No	\$0.00	(\$26.56)
890	29-Mar-12	13	7	\$35.75	No	\$0.00	(\$35.75)
891	29-Mar-12	13	8	\$1,184.74	No	\$0.00	(\$1,184.74)
892	29-Mar-12	13	9	\$1,730.52	No	\$0.00	(\$1,730.52)
893	29-Mar-12	13	10	\$42.88	No	\$0.00	(\$42.88)
894	29-Mar-12	13	11	\$42.88	No	\$0.00	(\$42.88)
895	29-Mar-12	13	12	\$46.92	No	\$0.00	(\$46.92)

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Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
896	29-Mar-12	14	1	\$42.79	No	\$0.00	(\$42.79)
897	29-Mar-12	14	2	\$39.31	No	\$0.00	(\$39.31)
898	29-Mar-12	14	3	\$35.54	No	\$0.00	(\$35.54)
899	29-Mar-12	14	4	\$38.84	No	\$0.00	(\$38.84)
900	29-Mar-12	14	5	\$36.28	No	\$0.00	(\$36.28)
901	29-Mar-12	14	6	\$37.98	No	\$0.00	(\$37.98)
902	29-Mar-12	14	7	\$37.85	No	\$0.00	(\$37.85)
903	29-Mar-12	14	8	\$42.74	No	\$0.00	(\$42.74)
904	29-Mar-12	14	9	\$40.18	No	\$0.00	(\$40.18)
905	29-Mar-12	14	10	\$34.05	No	\$0.00	(\$34.05)
906	29-Mar-12	14	11	\$36.23	No	\$0.00	(\$36.23)
907	29-Mar-12	14	12	\$30.99	No	\$0.00	(\$30.99)
908	29-Mar-12	15	1	\$41.15	No	\$0.00	(\$41.15)
909	29-Mar-12	15	2	\$39.18	No	\$0.00	(\$39.18)
910	29-Mar-12	15	3	\$38.86	No	\$0.00	(\$38.86)
911	29-Mar-12	15	4	\$41.13	No	\$0.00	(\$41.13)
912	29-Mar-12	15	5	\$39.83	No	\$0.00	(\$39.83)
913	29-Mar-12	15	6	\$33.01	No	\$0.00	(\$33.01)
914	29-Mar-12	15	7	\$32.97	No	\$0.00	(\$32.97)
915	29-Mar-12	15	8	\$30.99	No	\$0.00	(\$30.99)
916	29-Mar-12	15	9	\$34.85	No	\$0.00	(\$34.85)
917	29-Mar-12	15	10	\$33.09	No	\$0.00	(\$33.09)
918	29-Mar-12	15	11	\$36.01	No	\$0.00	(\$36.01)
919	29-Mar-12	15	12	\$36.54	No	\$0.00	(\$36.54)
920	29-Mar-12	16	1	\$30.98	No	\$0.00	(\$30.98)
921	29-Mar-12	16	2	\$30.98	No	\$0.00	(\$30.98)
922	29-Mar-12	16	3	\$26.16	No	\$0.00	(\$26.16)
923	29-Mar-12	16	4	\$19.68	No	\$0.00	(\$19.68)
924	29-Mar-12	16	5	\$21.08	No	\$0.00	(\$21.08)
925	29-Mar-12	16	6	\$22.47	No	\$0.00	(\$22.47)
926	29-Mar-12	16	7	\$20.14	No	\$0.00	(\$20.14)
927	29-Mar-12	16	8	\$20.24	No	\$0.00	(\$20.24)
928	29-Mar-12	16	9	\$20.62	No	\$0.00	(\$20.62)
929	29-Mar-12	16	10	\$36.03	No	\$0.00	(\$36.03)
930	29-Mar-12	16	11	\$30.22	No	\$0.00	(\$30.22)
931	29-Mar-12	16	12	\$25.07	No	\$0.00	(\$25.07)
932	29-Mar-12	17	1	\$18.99	No	\$27.10	\$8.11
933	29-Mar-12	17	2	\$18.29	No	\$27.10	\$8.81
934	29-Mar-12	17	3	\$18.25	No	\$27.10	\$8.85
935	29-Mar-12	17	4	\$18.19	No	\$27.10	\$8.91
936	29-Mar-12	17	5	\$18.34	No	\$27.10	\$8.76
937	29-Mar-12	17	6	\$18.34	No	\$27.10	\$8.76
938	29-Mar-12	17	7	\$18.37	No	\$27.10	\$8.73
939	29-Mar-12	17	8	\$21.55	No	\$27.10	\$5.55
940	29-Mar-12	17	9	\$19.45	No	\$27.10	\$7.65

Department of Market Analysis and Development – California ISO

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
941	29-Mar-12	17	10	\$20.26	No	\$27.10	\$6.84
942	29-Mar-12	17	11	\$18.80	No	\$27.10	\$8.30
943	29-Mar-12	17	12	\$19.23	No	\$27.10	\$7.87
944	29-Mar-12	18	1	\$18.38	Yes	\$27.10	\$8.72
945	29-Mar-12	18	2	\$18.85	Yes	\$27.10	\$8.25
946	29-Mar-12	18	3	\$20.15	Yes	\$27.10	\$6.95
947	29-Mar-12	18	4	\$19.03	Yes	\$27.10	\$8.07
948	29-Mar-12	18	5	\$19.36	Yes	\$27.10	\$7.74
949	29-Mar-12	18	6	\$19.35	Yes	\$27.10	\$7.75
950	29-Mar-12	18	7	\$19.05	Yes	\$27.10	\$8.05
951	29-Mar-12	18	8	\$19.02	Yes	\$27.10	\$8.08
952	29-Mar-12	18	9	\$19.42	Yes	\$27.10	\$7.68
953	29-Mar-12	18	10	\$19.38	Yes	\$27.10	\$7.72
954	29-Mar-12	18	11	\$18.99	Yes	\$27.10	\$8.11
955	29-Mar-12	18	12	\$18.91	Yes	\$27.10	\$8.19
956	29-Mar-12	19	1	\$18.97	Yes	\$27.10	\$8.13
957	29-Mar-12	19	2	\$18.72	Yes	\$27.10	\$8.38
958	29-Mar-12	19	3	\$18.06	Yes	\$27.10	\$9.04
959	29-Mar-12	19	4	\$18.88	Yes	\$27.10	\$8.22
960	29-Mar-12	19	5	\$18.88	Yes	\$27.10	\$8.22
961	29-Mar-12	19	6	\$18.89	Yes	\$27.10	\$8.21
962	29-Mar-12	19	7	\$18.93	Yes	\$27.10	\$8.17
963	29-Mar-12	19	8	\$19.27	Yes	\$27.10	\$7.83
964	29-Mar-12	19	9	\$19.26	Yes	\$27.10	\$7.84
965	29-Mar-12	19	10	\$19.16	Yes	\$27.10	\$7.94
966	29-Mar-12	19	11	\$19.77	Yes	\$27.10	\$7.33
967	29-Mar-12	19	12	\$22.34	Yes	\$27.10	\$4.76

Appendix C: Exceptional Dispatch Bid Mitigation Analysis

In March 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 March. With exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches were \$59,289. Without the exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches would be \$122,902. The cost saving from the exceptional dispatch bid mitigation was \$63,613.

Table 10: Bid Mitigation Analysis for March

Type	Number of Resources	Costs without Bid Mitigation	Costs with Bid Mitigation	Cost Saving
Non-Competitive Constraint	6	\$119,120	\$56,179	\$62,941
TMODEL5	4	\$3,099	\$2,931	\$168
TMODEL6	5	\$669	\$167	\$502
TMODEL7	1	\$13	\$12	\$2
Total	16	\$122,902	\$59,289	\$63,613

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 29th day of June 2012.

Is/ Anna Pascuzzo
Anna Pascuzzo