September 30, 2013

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

Re: California Independent System Operator Corporation
Docket Nos. ER08-1178-___, and EL08-88-___
June 2013 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 June 2013. The attached Chart 2 report also includes the price impact analysis for the month of June 2013 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 June 2013.

Respectfully submitted,

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Exceptional Dispatch Report

Table 2: June 2013

Market Quality and Renewable Integration   September 30, 2013

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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 June 2013.

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 June is presented in Appendix B. This report also includes the degree of mitigation analysis for June 2013 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 June 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 exceptional 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 June 2013, the ISO issued exceptional dispatches for the following generation and transmission operating requirements:

    (1) 6110, COI operating procedure,
    (2) 7230, transmission facilities in Palermo – Rio Oso area
    (3) 7320, Bay Area Transmission Management
    (4) 7410, transmission facilities in Tesla/Bellota Area
    (5) 7430, transmission facilities in Fresno area
    (6) 7630, Orange County Area Requirements
    (7) 7830, Procedure for both SONGS Units Off-Line

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 reason for exceptional dispatch instructions in June 2013 was not related to specific generation or transmission operating procedures: 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. There were a few other reasons used to explain exceptional dispatch instructions in June, 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 June. In addition, it contains volume (MWh) and cost information. Each entry in Table 1 is a summary of exceptional dispatches classified by (1) the reason for the exceptional dispatch; (2) the location of the resource by Participating Transmission Owner (PTO) service area; (3) the Local Reliability Area (LRA) where applicable; (4) the market in which the exceptional dispatch occurred (day-ahead vs. real-time); and (5) the date of the exceptional dispatch. For each classification the following information is provided: (1)

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[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.

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 of these charge codes are portions of the real-time instructed imbalance energy charge code (6470). [4]

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[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 column shows the bid cost recovery payment for the classification. This cost is shown for all pre-day-ahead unit commitments only.

Charge codes 6470, 6470 INC, 6470 DEC, 6482 and 6488 are shown in Table 1 because all these charge codes pertain to real-time exceptional dispatch MWH quantities. The classification of data is further explained by way of example in Attachment A. There was no designation of Exceptional Dispatch under Capacity Procurement Mechanism (CPM) in June 2013.

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[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 June 2013

California Independent System Operator Corporation Exceptional Dispatch Report September 30, 2013
Chart 2: Table of Exceptional Dispatches for Period 01/June/2013 - 30/June/2013

Num ber	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load cost	Startup Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
1	RT	6110	PG&E	Sierra	8-Jun-13	12	No	INC	2	16:49	17:27	7.80	$0	$0	($2,786)	8	($2,745)	$0	$0	$0	$0
2	RT	6110	PG&E	Sierra	29-Jun-13	25-68	No	DEC	2	12:33	13:25	-25.62	$0	$0	$5,455	(24)	$0	$4,076	$0	($2,807)	$0
3	RT	6110	PG&E	Sierra	29-Jun-13	125	No	INC	2	12:48	13:25	10.08	$0	$0	($4,809)	0	$0	$0	$0	$0	$0
4	RT	7230	PG&E	Sierra	2-Jun-13	20-45	Yes	INC	7	16:28	22:29	252.21	$12,950	$686	($7,647)	75	($2,128)	$0	$0	($1,152)	$0
5	RT	7230	PG&E	Sierra	8-Jun-13	4-78	No	DEC	8	14:16	21:59	-189.86	$0	$0	$77,349	(158)	$0	$67,562	$0	($60,189)	$0
6	RT	7230	PG&E	Sierra	8-Jun-13	20	Yes	INC	2	12:52	13:38	9.33	$0	$0	($594)	0	$0	$0	$0	$0	$0
7	RT	7230	PG&E	Sierra	9-Jun-13	42	Yes	INC	9	12:00	20:59	408.93	$0	$0	($9,424)	0	$0	$0	$0	$0	$0
8	RT	7230	PG&E	Sierra	29-Jun-13	20	Yes	INC	1	22:34	22:59	2.00	$583	$130	($69)	0	$0	$0	$0	$0	$0
9	RT	7230	PG&E	Sierra	30-Jun-13	1-87	Yes	DEC	10	13:35	22:59	-457.30	$0	$0	$17,773	(278)	$0	$37,102	$0	($30,734)	$0
10	RT	7230	PG&E	Sierra	30-Jun-13	66	Yes	INC	12	12:45	23:54	211.38	$7,288	$0	($26,836)	29	($1,574)	$0	$0	($167)	$0
11	RT	7320	PG&E	Bay Area	12-Jun-13	2	Yes	DEC	2	18:56	19:45	1.77	$0	$0	($57)	0	$0	$0	$0	$0	$0
12	RT	7320	PG&E	Bay Area	12-Jun-13	20-44	Yes	INC	3	18:56	20:14	82.27	$583	$0	($2,518)	36	($1,109)	$0	$0	($611)	$0
13	RT	7320	PG&E	Bay Area	17-Jun-13	20	Yes	INC	12	11:35	22:59	230.11	$20,114	$0	($8,130)	0	($4)	$0	$0	$0	$0
14	RT	7320	PG&E	Bay Area	26-Jun-13	19-37	No	INC	11	10:27	20:59	506.19	$18,095	$1,154	($28,161)	46	($2,127)	$0	$0	($191)	$0
15	RT	7320	PG&E	Bay Area	27-Jun-13	20	No	INC	2	8:38	9:09	3.33	$274	$14	($111)	0	($8)	$0	$0	($2)	$0
16	RT	7320	PG&E	Bay Area	28-Jun-13	58	No	DEC	13	8:50	20:59	-58.54	$0	$0	$2,864	0	$0	$0	$0	$0	$0
17	RT	7320	PG&E	Bay Area	28-Jun-13	37	No	INC	13	8:50	20:59	156.73	$14,805	$520	($7,836)	0	$0	$0	$0	$0	$0
18	RT	7320	PG&E	Sierra	29-Jun-13	6-80	Yes	DEC	5	16:09	20:59	-335.27	$0	$0	$50,420	(318)	$0	$44,847	$0	($34,293)	$0
19	RT	7320	PG&E	Sierra	29-Jun-13	12	Yes	INC	5	16:45	20:59	8.70	$0	$0	($322)	9	($344)	$0	$0	($26)	$0
20	RT	7410	PG&E	Stockton	30-Jun-13	25-45	No	DEC	10	13:40	22:09	-100.72	$0	$0	$5,664	0	$0	$0	$0	$0	$0
21	RT	7410	PG&E	Stockton	30-Jun-13	19-39	No	INC	10	13:15	22:59	274.59	$0	$0	($12,610)	254	($11,642)	$0	$0	$0	$0

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load cost	Startup Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
22	RT	7430	PG&E	Bay Area	11-Jun-13	200	No	INC	2	14:20	15:00	-20.09	$0	$0	$691	0	$0	$0	$0	$0	$0
23	RT	7430	PG&E	Bay Area	27-Jun-13	20	No	INC	13	9:00	21:59	209.85	$12,063	$270	($13,914)	9	($392)	$0	$0	($46)	$0
24	RT	7430	PG&E	Fresno	1-Jun-13	20-50	No	INC	13	11:01	23:29	268.57	$19,505	$117	($6,929)	25	($631)	$0	$0	($539)	$0
25	RT	7430	PG&E	Fresno	2-Jun-13	8-160	Yes	DEC	8	13:50	20:59	-10.28	$0	$0	($2,109)	0	$0	$0	$0	$0	$0
26	RT	7430	PG&E	Fresno	2-Jun-13	20-393	Yes	INC	17	7:09	23:29	1529.00	$20,143	$226	($50,411)	953	($32,659)	$0	$0	($16,022)	$0
27	RT	7430	PG&E	Fresno	3-Jun-13	260	Yes	INC	24	0:25	23:59	833.99	$37,110	$193	($41,263)	80	($3,185)	$0	$0	($603)	$0
28	RT	7430	PG&E	Fresno	4-Jun-13	20-143	Yes	INC	15	9:15	23:59	632.64	$28,225	$213	($33,262)	16	($752)	$0	$0	($22)	$0
29	RT	7430	PG&E	Fresno	5-Jun-13	7- 51	Yes	DEC	4	16:23	19:59	-48.57	$0	$0	$1,484	0	$0	$0	$0	$0	$0
30	RT	7430	PG&E	Fresno	5-Jun-13	20-264	Yes	INC	16	8:00	23:54	2529.97	$72,021	$222	($91,124)	1474	($50,898)	$0	$0	($16,794)	$0
31	RT	7430	PG&E	Fresno	8-Jun-13	25-228	Yes	DEC	8	15:35	22:59	-740.82	$0	$0	$30,938	0	$0	$0	$0	$0	$0
32	RT	7430	PG&E	Fresno	8-Jun-13	20-220	Yes	INC	24	0:00	23:59	1518.87	$69,115	$1,000	($67,950)	277	($10,777)	$0	$0	($2,336)	$0
33	RT	7430	PG&E	Fresno	9-Jun-13	20-103	Yes	INC	23	0:00	22:59	857.48	$34,106	$201	($43,503)	0	($1)	$0	$0	($0)	$0
34	RT	7430	PG&E	Fresno	10-Jun-13	20	No	INC	11	12:55	22:59	230.60	$14,381	$188	($9,012)	0	($3)	$0	$0	($1)	$0
35	RT	7430	PG&E	Fresno	11-Jun-13	10-86	Yes	DEC	4	19:45	22:59	-88.14	$0	$0	$4,435	0	$0	$0	$0	$0	$0
36	RT	7430	PG&E	Fresno	11-Jun-13	20-230	Yes	INC	4	20:00	23:59	435.23	$16,070	$0	($20,077)	113	($4,545)	$0	$0	($846)	$0
37	RT	7430	PG&E	Fresno	12-Jun-13	20-231	Yes	INC	14	10:25	23:59	1488.74	$78,177	$169	($65,614)	165	($6,715)	$0	$0	($969)	$0
38	RT	7430	PG&E	Fresno	13-Jun-13	20	No	INC	14	9:00	22:59	383.25	$22,000	$204	($15,378)	0	($4)	$0	$0	($1)	$0
39	RT	7430	PG&E	Fresno	14-Jun-13	20	Yes	INC	24	0:35	23:54	332.50	$15,473	$204	($14,632)	0	$0	$0	$0	$0	$0
40	RT	7430	PG&E	Fresno	15-Jun-13	20	No	INC	13	11:04	23:59	410.05	$19,407	$195	($20,324)	0	($3)	$0	$0	($1)	$0
41	RT	7430	PG&E	Fresno	16-Jun-13	20	No	INC	8	15:00	22:59	161.50	$10,916	$188	($8,190)	0	($2)	$0	$0	($0)	$0
42	RT	7430	PG&E	Fresno	17-Jun-13	20-51	No	INC	15	9:50	23:59	514.44	$24,016	$199	($19,869)	66	($2,613)	$0	$0	($365)	$0
43	RT	7430	PG&E	Fresno	18-Jun-13	20-51	No	INC	16	8:50	23:49	840.25	$35,902	$296	($35,350)	150	($5,492)	$0	$0	($1,303)	$0

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load cost	Startup Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
44	RT	7430	PG&E	Fresno	19-Jun-13	20	No	INC	8	16:45	23:29	158.29	$9,881	$208	($6,400)	0	($2)	$0	$0	($1)	$0
45	RT	7430	PG&E	Fresno	20-Jun-13	20	No	INC	8	16:45	23:29	184.55	$10,501	$220	($8,090)	0	($2)	$0	$0	($0)	$0
46	RT	7430	PG&E	Fresno	21-Jun-13	20-50	No	INC	9	15:45	23:59	360.50	$14,303	$208	($16,081)	25	($1,075)	$0	$0	($114)	$0
47	RT	7430	PG&E	Fresno	22-Jun-13	20-50	No	INC	12	12:19	23:59	437.49	$19,788	$203	($18,306)	20	($859)	$0	$0	($45)	$0
48	RT	7430	PG&E	Fresno	23-Jun-13	20	No	INC	1	0:00	0:59	27.96	$1,456	$0	($1,063)	0	($0)	$0	$0	($0)	$0
49	RT	7430	PG&E	Fresno	26-Jun-13	170	Yes	INC	1	14:37	14:59	51.61	$2,784	$0	($2,838)	0	$0	$0	$0	$0	$0
50	RT	7430	PG&E	Fresno	28-Jun-13	160	Yes	INC	21	2:00	22:59	320.00	$9,889	$0	($14,157)	127	($5,979)	$0	$0	($390)	$0
51	RT	7430	PG&E	Fresno	29-Jun-13	57-127	Yes	DEC	1	22:00	22:59	-80.69	$0	$0	$3,832	0	$0	$0	$0	$0	$0
52	RT	7430	PG&E	Fresno	29-Jun-13	83-361	Yes	INC	17	7:30	23:14	523.88	$2,472	$0	($27,649)	128	($6,665)	$0	$0	($1,148)	$0
53	RT	7430	PG&E	Fresno	30-Jun-13	10-90	Yes	DEC	5	19:57	23:19	-29.40	$0	$0	$1,356	0	$0	$0	$0	$0	$0
54	RT	7430	PG&E	Fresno	30-Jun-13	83-325	Yes	INC	23	1:10	23:58	1575.68	$59,899	$0	($73,088)	306	($12,369)	$0	$0	($2,346)	$0
55	RT	7430	PG&E	Stockton	29-Jun-13	10	No	INC	2	19:28	20:36	11.93	$0	$0	($529)	12	($531)	$0	$0	($12)	$0
56	RT	7630	SCE	Big Creek-Ventura	29-Jun-13	2	No	DEC	5	16:45	20:59	151.41	$0	$0	($19,297)	0	$0	$0	$0	$0	$0
57	RT	7630	SCE	Big Creek-Ventura	29-Jun-13	53	No	INC	9	12:15	20:59	356.45	$0	$0	($31,517)	276	($14,903)	$0	$0	$0	$0
58	RT	7830	PG&E	Fresno	6-Jun-13	20-40	No	INC	16	8:25	23:59	507.13	$35,864	$217	($17,951)	5	($198)	$0	$0	($39)	$0
59	RT	7830	PG&E	Fresno	7-Jun-13	20-51	No	INC	24	0:00	23:59	464.98	$30,587	$217	($18,283)	61	($2,240)	$0	$0	($615)	$0
60	RT	7830	PG&E	Fresno	8-Jun-13	20	No	INC	9	1:30	9:19	203.98	$12,431	$0	($8,003)	0	($2)	$0	$0	($1)	$0
61	RT	Bridging Schedules	PG&E	Bay Area	29-Jun-13	45	Yes	INC	5	19:00	23:59	394.39	$18,415	$0	($17,541)	0	($2)	$0	$0	$0	$0
62	RT	Bridging Schedules	PG&E	Bay Area	30-Jun-13	45	Yes	INC	24	0:00	23:59	1739.16	$88,392	$0	($73,422)	0	($6)	$0	($3)	$0	$0
63	RT	Bridging Schedules	PG&E	N/A	6-Jun-13	52	No	INC	4	20:00	23:59	757.83	$43,799	$0	($15,394)	0	$0	$0	$0	$0	$0
64	RT	Bridging Schedules	PG&E	N/A	13-Jun-13	140	Yes	INC	2	0:00	1:59	270.63	$14,472	$0	($4,239)	0	$0	$0	$0	$0	$0
65	RT	Bridging Schedules	SCE	LA Basin	1-Jun-13	25	Yes	INC	2	22:00	23:59	89.44	$7,929	$0	($4,129)	0	($1)	$0	$0	$0	$0
66	RT	COI Mitigation	PG&E	Bay Area	8-Jun-13	139	Yes	INC	8	16:18	23:59	1145.99	$30,692	$0	($51,831)	736	($36,835)	$0	$0	$0	$0
67	RT	Contingency	PG&E	Stockton	8-Jun-13	30-265	No	INC	10	12:45	21:59	-650.06	$11,285	$0	$24,385	(757)	($13,414)	$43,392	$0	($4,388)	$0

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load cost	Startup Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
68	RT	Contingency	PG&E	Stockton	28-Jun-13	90-192	No	INC	9	14:06	22:59	-1329.28	$0	$0	$72,508	(1046)	$0	$56,524	$0	($15,551)	$0
69	RT	Contingency	PG&E	Stockton	29-Jun-13	13-40	No	DEC	5	15:25	19:27	-84.69	$0	$0	$6,011	(20)	$0	$1,136	$0	($530)	$0
70	RT	Contingency	PG&E	Stockton	29-Jun-13	12-82	No	INC	9	15:25	23:59	206.04	$0	$0	($10,641)	165	($7,107)	$0	$0	($40)	$0
71	RT	Fire	SCE	Big Creek-Ventura	1-Jun-13	100-400	Yes	INC_	24	0:00	23:59	7443.57	$302,604	$0	($416,470)	406	($16,863)	$0	$0	$0	$0
72	RT	Fire	SCE	Big Creek-Ventura	2-Jun-13	100-200	Yes	INC	24	0:00	23:59	4966.68	$297,168	$0	($158,386)	1575	($50,883)	$0	($8,976)	$0	$0
73	RT	Fire	SCE	Big Creek-Ventura	3-Jun-13	100	Yes	INC	24	0:00	23:59	2744.31	$260,928	$0	($75,610)	0	$0	$0	$0	$0	$0
75	RT	Fire	SCE	LA Basin	1-Jun-13	0	No	DEC	2	22:30	23:59	7.19	$0	$0	($748)	0	$0	$0	$0	$0	$0
76	RT	Fire	SCE	LA Basin	1-Jun-13	45	No	INC	2	22:30	23:59	3.02	$0	$0	$61	0	($0)	$0	($0)	$0	$0
77	RT	Fire	SCE	LA Basin	2-Jun-13	71-141	Yes	INC	14	7:55	20:59	2010.18	$107,342	$0	($92,887)	1348	($66,377)	$0	$0	$0	$0
78	RT	Fire	SCE	LA Basin	3-Jun-13	147-161	No	DEC	6	16:35	21:59	-813.23	$0	$0	$30,053	0	$0	$0	$0	$0	$0
79	RT	Fire	SCE	LA Basin	3-Jun-13	45-141	Yes	INC	24	0:00	23:59	1994.55	$180,272	$0	($71,514)	514	($18,760)	$0	($13,945)	$0	$0
81	RT	Generation Outage	SCE	Big Creek-Ventura	26-Jun-13	20	Yes	INC	5	15:12	19:59	547.37	$12,972	$12,042	($34,082)	0	$0	$0	$0	$0	$0
82	RT	Generation Outage	SCE	LA Basin	26-Jun-13	25-45	Yes	INC	17	7:00	23:59	2168.76	$94,783	$30,400	($128,291)	0	$0	$0	$0	$0	$0
83	RT	Load Forecast Uncertainty	PG&E	Bay Area	7-Jun-13	45	Yes	INC	24	0:00	23:59	1354.98	$88,392	$0	($45,967)	0	($7)	$0	($4)	$0	$0
84	RT	Load Forecast Uncertainty	PG&E	Bay Area	8-Jun-13	45	Yes	INC	17	0:00	16:17	1441.05	$60,156	$0	($52,752)	4	($174)	$0	$0	$0	$0
85	RT	Load Forecast Uncertainty	PG&E	Bay Area	9-Jun-13	180-225	Yes	INC	24	0:00	23:59	7152.73	$387,029	$0	($163,789)	0	($6)	$0	($6)	$0	$0
86	RT	Load Forecast Uncertainty	PG&E	Bay Area	12-Jun-13	253	No	INC	14	8:15	21:59	10162.02	$395,620	$0	($329,767)	0	$0	$0	$0	$0	$0
87	RT	Load Forecast Uncertainty	PG&E	Bay Area	28-Jun-13	45	Yes	INC	14	10:00	23:59	1380.64	$51,562	$0	($83,954)	0	$0	$0	$0	$0	$0
88	RT	Load Forecast Uncertainty	PG&E	N/A	5-Jun-13	52	No	INC	9	15:00	23:59	465.83	$40,765	$123,270	($14,020)	0	$0	$0	$0	$0	$0
89	RT	Load Forecast Uncertainty	PG&E	N/A	7-Jun-13	52	No	INC	24	0:00	23:59	4833.40	$266,582	$0	($155,417)	0	$0	$0	$0	$0	$0
90	RT	Load Forecast Uncertainty	PG&E	N/A	17-Jun-13	141	Yes	INC	19	5:00	23:59	2711.07	$138,362	$0	($88,424)	0	($6)	$0	($2)	$0	$0

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load cost	Startup Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
91	RT	Load Forecast Uncertainty	SCE	Big Creek-Ventura	30-Jun-13	100	Yes	INC	13	11:00	23:59	4789.15	$134,381	$111,945	($211,789)	0	$0	$0	$0	$0	$0
92	RT	Load Forecast Uncertainty	SCE	LA Basin	16-Jun-13	20	Yes	INC	21	3:00	23:59	420.67	$61,710	$0	($11,372)	0	$0	$0	$0	$0	$0
93	RT	Load Forecast Uncertainty	SCE	LA Basin	27-Jun-13	20-40	Yes	INC	24	0:00	23:59	2855.28	$46,688	$0	($188,966)	0	($4)	$0	($1)	$0	$0
94	RT	Load Forecast Uncertainty	SCE	LA Basin	28-Jun-13	10-30	Yes	INC	24	0:00	23:59	977.27	$192,518	$42,450	($67,522)	0	($17)	$0	($9)	$0	$0
95	RT	Load Forecast Uncertainty	SCE	LA Basin	29-Jun-13	10	No	INC	18	6:00	23:59	229.47	$0	$0	($11,993)	0	$0	$0	$0	$0	$0
96	RT	Load Forecast Uncertainty	SCE	LA Basin	30-Jun-13	10-30	Yes	INC	24	0:00	23:59	459.15	$140,658	$35,856	($18,854)	0	($10)	$0	($2)	$0	$0
97	RT	Load Forecast Uncertainty	SDG&E	San Diego-IV	27-Jun-13	20	No	INC	19	5:00	23:59	360.30	$58,126	$16,365	($17,771)	0	$0	$0	$0	$0	$0
98	RT	Load Forecast Uncertainty	SDG&E	San Diego-IV	28-Jun-13	20	Yes	INC	18	6:00	23:59	432.93	$42,553	$7,378	($25,712)	0	$0	$0	$0	$0	$0
99	RT	Market Disruption	PG&E	Bay Area	11-Jun-13	480	No	INC	2	13:38	14:11	-7.47	$0	$0	$266	0	$0	$0	$0	$0	$0
100	RT	Market Disruption	PG&E	N/A	11-Jun-13	200-350	No	INC	3	13:48	15:00	280.97	$13,308	$2,430	($9,496)	51	($1,731)	$0	($28)	$0	$0
101	RT	Market Disruption	SCE	LA Basin	11-Jun-13	162-264	No	INC	3	13:29	15:00	132.46	$0	$0	($4,721)	155	($5,523)	$0	($1,083)	$0	$0
102	RT	Market Disruption	SDG&E	San Diego-IV	11-Jun-13	200-557	No	INC	3	13:28	15:00	77.17	$10,980	$0	($2,602)	17	($568)	$0	($104)	$0	$0
103	RT	Path 15	PG&E	Bay Area	8-Jun-13	105	No	DEC	4	16:17	19:59	-185.88	$0	$0	$2,496	0	$0	$0	$0	$0	$0
104	RT	Path 15	PG&E	Bay Area	23-Jun-13	180	Yes	INC	1	23:00	23:59	183.06	$13,873	$0	($11,559)	0	($1)	$0	($0)	$0	$0
105	RT	Path 15	PG&E	Bay Area	24-Jun-13	180	Yes	INC	6	0:00	5:59	1377.41	$83,238	$0	($56,498)	0	($0)	$0	($0)	$0	$0
106	RT	Path 15	PG&E	N/A	8-Jun-13	70-85	No	INC	4	16:19	19:59	213.95	$0	$0	($6,691)	279	($7,467)	$0	($6,457)	$0	$0
107	RT	Path 15	PG&E	N/A	24-Jun-13	141	Yes	INC	5	0:00	4:59	901.94	$36,411	$0	($39,510)	0	($1)	$0	($0)	$0	$0
108	RT	Path 26	SCE	N/A	1-Jun-13	410	No	INC	2	22:02	23:59	850.09	$31,946	$0	($28,887)	20	($759)	$0	($20)	$0	$0
109	RT	RAS Outage	PG&E	Fresno	4-Jun-13	0	Yes	INC	1	23:40	23:59	0.00	$0	$0	($0)	0	$0	$0	$0	$0	$0
110	RT	RAS Outage	PG&E	Fresno	5-Jun-13	0	No	INC	1	0:00	0:39	0.00	$0	$0	$0	0	$0	$0	$0	$0	$0
111	RT	SCE SOB 204	SCE	Big Creek-Ventura	1-Jun-13	9	No	INC	2	20:05	21:59	17.85	$0	$0	($653)	17	($627)	$0	$0	($85)	$0
112	RT	SCE SOB 204	SCE	Big Creek-Ventura	2-Jun-13	54-129	No	INC	3	19:05	21:59	295.88	$0	$0	($10,070)	287	($9,782)	$0	$0	($1,335)	$0

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_ DEC	Hours	Begin Time	End Time	Total MWH	Min Load cost	Startup Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
113	RT	SCE SOB 204	SCE	Big Creek-Ventura	3-Jun-13	54-189	No	INC	9	13:45	21:59	1074.94	$0	$0	($37,292)	1021	($35,432)	$0	$0	($119)	$0
114	RT	SCE SOB 204	SCE	Big Creek-Ventura	5-Jun-13	51-251	No	DEC	6	18:35	23:29	-275.33	$0	$0	$8,640	0	$0	$0	$0	$0	$0
115	RT	SCE SOB 204	SCE	Big Creek-Ventura	27-Jun-13	2	No	DEC	2	20:45	21:59	39.74	$0	$0	($2,891)	18	($1,568)	$0	$0	$0	$0
116	RT	SCE SOB 204	SCE	Big Creek-Ventura	27-Jun-13	48-73	No	INC	2	19:06	20:59	173.54	$0	$0	($10,455)	167	($10,011)	$0	$0	($202)	$0
117	RT	SCE SOB 204	SCE	Big Creek-Ventura	28-Jun-13	23-73	No	INC	3	19:27	21:59	121.08	$0	$0	($5,385)	104	($4,564)	$0	$0	($4)	$0
118	RT	Software Limitation	PG&E	Bay Area	20-Jun-13	0	Yes	INC	2	18:21	19:39	0.00	$0	$0	$0	0	$0	$0	$0	$0	$0
119	RT	Software Limitation	PG&E	Fresno	6-Jun-13	0	Yes	INC	2	20:45	21:44	6.92	$2,690	$0	($302)	0	$0	$0	$0	$0	$0
120	RT	Software Limitation	PG&E	Fresno	14-Jun-13	0	Yes	INC	1	17:10	17:39	0.00	$0	$20	($0)	0	$0	$0	$0	$0	$0
121	RT	Software Limitation	PG&E	Fresno	30-Jun-13	0	No	INC	1	23:35	23:59	7.67	$409	$7	($258)	0	$0	$0	$0	$0	$0
122	RT	Software Limitation	PG&E	N/A	4-Jun-13	52	No	INC	4	14:45	17:59	0.00	$0	$0	$0	0	$0	$0	$0	$0	$0
123	RT	Software Limitation	PG&E	N/A	17-Jun-13	0	No	INC	1	23:56	23:59	7.99	$0	$0	($191)	0	$0	$0	$0	$0	$0
124	RT	Software Limitation	PG&E	N/A	18-Jun-13	180	Yes	DEC	7	0:30	6:29	-80.63	$0	$0	($2,124)	(81)	$0	($2,124)	$0	$0	$0
125	RT	Software Limitation	PG&E	N/A	18-Jun-13	0	Yes	INC	7	0:30	6:29	-7.50	$0	$0	$191	0	$0	$0	$0	$0	$0
126	RT	Software Limitation	PG&E	N/A	29-Jun-13	190	No	INC	12	2:05	13:59	959.15	$40,880	$0	($19,734)	71	($3,066)	$0	$0	$0	$0
127	RT	Software Limitation	PG&E	Sierra	4-Jun-13	0	Yes	INC	2	18:40	19:39	1.67	$579	$0	($39)	0	$0	$0	$0	$0	$0
128	RT	Software Limitation	PG&E	Stockton	29-Jun-13	191	No	INC	4	4:30	7:59	-79.19	$0	$0	$2,045	0	($1)	$0	$0	$0	$0
129	RT	Software Limitation	SCE	Big Creek-Ventura	28-Jun-13	0	Yes	INC	2	1:15	2:14	1.33	$0	$110	($45)	0	$0	$0	$0	$0	$0
130	RT	Software Limitation	SCE	LA Basin	5-Jun-13	600	No	INC	1	11:42	11:55	-127.13	$0	$0	$4,329	0	$0	$0	$0	$0	$0
131	RT	Software Limitation	SCE	LA Basin	13-Jun-13	18	No	DEC	1	17:00	17:59	-18.00	$0	$0	$661	-18	$0	$661	$0	$0	$0
132	RT	Software Limitation	SCE	LA Basin	14-Jun-13	0	No	INC	7	17:20	23:59	0.00	$0	$0	$0	0	$0	$0	$0	$0	$0
133	RT	Software Limitation	SCE	LA Basin	15-Jun-13	0	No	INC	18	0:00	17:19	0.00	$0	$0	$0	0	$0	$0	$0	$0	$0
134	RT	Software Limitation	SCE	LA Basin	20-Jun-13	0	Yes	INC	15	0:55	14:54	1.67	$0	$0	($57)	0	$0	$0	$0	$0	$0
135	RT	Software Limitation	SCE	LA Basin	29-Jun-13	0	Yes	INC	2	19:30	20:29	0.00	$0	$30	($0)	0	$0	$0	$0	$0	$0
136	RT	Software Limitation	SDG&E	San Diego-IV	5-Jun-13	22	No	DEC	2	11:21	12:59	-18.33	$0	$0	$447	-18	$0	$447	$0	$0	$0
137	RT	SP26 Capacity	SCE	LA Basin	2-Jun-13	45	Yes	INC	24	0:00	23:59	2329.52	$158,496	$0	($97,145)	1221	($60,276)	$0	($7)	$0	$0
138	RT	SP26 Capacity	SCE	LA Basin	6-Jun-13	25	Yes	INC	16	8:00	23:59	343.24	$37,150	$0	($10,596)	0	($4)	$0	($4)	$0	$0
139	RT	SP26 Capacity	SCE	LA Basin	13-Jun-13	20-45	Yes	INC	23	1:00	23:59	817.00	$105,598	$0	($27,496)	0	$0	$0	$0	$0	$0
140	RT	System Energy	Intertie	N/A	16-Jun-13	336	No	DEC	1	18:00	18:59	0.00	$0	$0	$0	0	$0	$0	$0	$0	$0

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load cost	Startup Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
141	RT	System Energy	Intertie	N/A	16-Jun-13	0	No	INC	1	18:00	18:59	0.00	$0	$0	$0	0	$0	$0	$0	$0	$0
142	RT	System Energy	Intertie	N/A	30-Jun-13	65	Yes	INC	1	21:00	21:59	-142.00	$0	$0	$2,840	-142	$0	$2,840	$0	$0	$0
143	RT	Transmission Mitigation	PG&E	Sierra	24-Jun-13	26-36	Yes	DEC	3	20:35	22:59	-80.00	$0	$0	$3,818	-82	$0	$3,759	$0	($668)	$0
144	RT	Transmission Mitigation	PG&E	Sierra	25-Jun-13	25-35	Yes	DEC	5	18:39	22:59	-168.91	$0	$0	$6,595	-169	$0	$6,951	$0	($6,925)	$0
145	RT	Transmission Mitigation	SCE	N/A	4-Jun-13	28-82	No	DEC	2	8:40	9:59	-71.20	$0	$0	$1,638	-32	$0	$1,043	$0	($608)	$0
146	RT	Transmission Mitigation	SCE	N/A	4-Jun-13	12	No	INC	1	9:15	9:59	-39.13	$0	$0	$575	0	$0	$0	$0	$0	$0
147	RT	Transmission Outage PG&E	PG&E	Bay Area	12-Jun-13	19	No	INC	3	20:46	22:29	39.96	$823	$94	($1,173)	0	$0	$0	$0	$0	$0
148	RT	Transmission Outage PG&E	PG&E	Bay Area	28-Jun-13	168	No	DEC	2	12:30	13:59	-120.91	$0	$0	$4,960	-119	$0	$5,109	$0	($3,856)	$0
149	RT	Transmission Outage PG&E	PG&E	Fresno	6-Jun-13	44	No	INC	2	0:50	1:59	58.56	$3,693	$0	($2,976)	0	($1)	$0	$0	($1)	$0
150	RT	Transmission Outage PG&E	PG&E	Humboldt	28-Jun-13	16	No	INC	14	7:30	20:59	-219.28	$116	$0	$12,634	-179	$0	$10,261	$0	($3,336)	$0
151	RT	Transmission Outage PG&E	PG&E	Kern	8-Jun-13	42	Yes	INC	7	15:26	21:59	319.16	$0	$0	($12,477)	312	($12,205)	$0	$0	($2,281)	$0
152	RT	Transmission Outage PG&E	PG&E	N/A	24-Jun-13	1	No	INC	12	12:00	23:59	7.17	$0	$0	($246)	7	($246)	$0	$0	($0)	$0
153	RT	Transmission Outage PG&E	PG&E	Sierra	18-Jun-13	20	Yes	INC	5	7:00	11:34	93.33	$8,162	$285	($2,647)	0	$0	$0	$0	$0	$0
154	RT	Transmission Outage SCE	SCE	LA Basin	23-Jun-13	5- 80	No	DEC	16	7:00	22:59	-289.93	$0	$0	$9,739	0	$0	$0	$0	$0	$0
155	RT	Transmission Outage SCE	SCE	LA Basin	23-Jun-13	160	No	INC	16	7:00	22:59	1246.13	$52,547	$10,499	($1,952)	0	$0	$0	$0	$0	$0
156	RT	Transmission Outage SDG&E	SDG&E	San Diego-IV	25-Jun-13	37	Yes	INC	1	16:00	16:59	37.00	$2,696	$178	($1,754)	0	($6)	$0	$0	$0	$0
157	RT	Unit Testing	PG&E	Bay Area	5-Jun-13	45-844	Yes	INC	22	2:00	23:59	5375.11	$0	$0	($184,702)	1571	($79,415)	$0	$0	$0	$0
158	RT	Unit Testing	PG&E	Bay Area	6-Jun-13	45-130	Yes	INC	24	0:00	23:59	1142.58	$87,384	$0	($32,706)	0	$0	$0	$0	$0	$0
159	RT	Unit Testing	PG&E	Bay Area	8-Jun-13	85	Yes	INC	3	21:00	23:59	592.88	$0	$0	($21,079)	0	($2)	$0	$0	$0	$0
160	RT	Unit Testing	PG&E	Bay Area	9-Jun-13	85-400	No	INC	20	0:00	19:59	3495.15	$0	$0	($68,296)	33	($1,687)	$0	$0	$0	$0
161	RT	Unit Testing	PG&E	Bay Area	20-Jun-13	120	Yes	INC	6	7:15	12:59	696.00	$80,290	$2,993	($22,733)	4	($208)	$0	$0	$0	$0
162	RT	Unit Testing	PG&E	Bay Area	21-Jun-13	120-190	Yes	INC	8	7:05	14:59	1248.89	$0	$0	($50,728)	161	($7,824)	$0	$0	$0	$0

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load cost	Startup Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
163	RT	Unit Testing	PG&E	Bay Area	24-Jun-13	120	Yes	INC	9	7:00	15:59	1110.15	$0	$0	($40,870)	4	($195)	$0	$0	$0	$0
164	RT	Unit Testing	PG&E	Bay Area	25-Jun-13	120-189	Yes	INC	4	7:05	10:59	550.65	$0	$0	($18,593)	59	($2,865)	$0	$0	$0	$0
165	RT	Unit Testing	PG&E	Bay Area	26-Jun-13	560-738	No	INC	2	9:28	10:36	-65.86	$0	$0	$2,966	-65	$0	$2,737	$0	$0	$0
166	RT	Unit Testing	PG&E	N/A	10-Jun-13	155-458	No	INC	4	9:19	12:28	385.90	$0	$0	($13,298)	9	($342)	$0	$0	$0	$0
167	RT	Unit Testing	PG&E	N/A	16-Jun-13	150	Yes	INC	24	0:55	23:59	3728.03	$151,467	$14,946	($99,262)	185	($4,645)	$0	$0	$0	$0
168	RT	Unit Testing	PG&E	N/A	17-Jun-13	150-170	Yes	INC	7	0:00	6:59	1093.60	$0	$0	($11,257)	85	($1,552)	$0	$0	$0	$0
169	RT	Unit Testing	PG&E	N/A	18-Jun-13	170	Yes	INC	2	22:05	23:59	323.78	$0	$0	($9,648)	52	($1,467)	$0	$0	$0	$0
170	RT	Unit Testing	PG&E	N/A	19-Jun-13	170	Yes	INC	24	0:00	23:59	3550.54	$74,400	$10,890	($108,282)	510	($14,135)	$0	$0	$0	$0
171	RT	Unit Testing	PG&E	N/A	20-Jun-13	170	Yes	INC	24	0:00	23:59	1692.68	$48,567	$0	($41,786)	230	($4,985)	$0	$0	$0	$0
172	RT	Unit Testing	PG&E	N/A	21-Jun-13	170	Yes	INC	24	0:00	23:59	4029.98	$0	$0	($147,921)	1418	($52,263)	$0	$0	$0	$0
173	RT	Unit Testing	PG&E	Stockton	18-Jun-13	237-325	No	INC	7	9:25	15:59	1585.85	$0	$0	($55,323)	69	($2,512)	$0	$0	$0	$0
174	RT	Unit Testing	PG&E	Stockton	19-Jun-13	89-160	No	INC	11	10:00	20:59	471.63	$16,053	$0	($18,708)	133	($6,001)	$0	$0	$0	$0
175	RT	Unit Testing	PG&E	Stockton	20-Jun-13	89	No	INC	8	10:00	17:59	-354.26	$0	$0	$12,138	0		($6)	$0	$0	$0
176	RT	Unit Testing	SCE	LA Basin	3-Jun-13	80	No	INC	6	10:05	15:29	245.45	$0	$0	($2,652)	94	($4,340)	$0	$0	$0	$0
177	RT	Unit Testing	SCE	LA Basin	4-Jun-13	46-174	Yes	INC	16	8:05	23:59	1090.49	$0	$0	($28,244)	321	($14,555)	$0	$0	$0	$0
178	RT	Unit Testing	SCE	LA Basin	5-Jun-13	130-760	Yes	INC	24	0:00	23:59	5421.27	$0	$0	($201,816)	1210	($61,999)	$0	$0	$0	$0
179	RT	Unit Testing	SCE	LA Basin	6-Jun-13	130-490	Yes	INC	24	0:00	23:59	5234.26	$16,105	$0	($218,401)	2190	($119,055)	$0	$0	$0	$0
180	RT	Unit Testing	SCE	LA Basin	7-Jun-13	130-320	No	INC	24	0:00	23:59	1227.63	$0	$0	($41,050)	19	($743)	$0	$0	$0	$0
181	RT	Unit Testing	SCE	LA Basin	8-Jun-13	160-200	No	INC	12	12:35	23:59	2394.93	$0	$0	($97,758)	102	($4,113)	$0	$0	$0	$0
182	RT	Unit Testing	SCE	LA Basin	9-Jun-13	180-423	No	INC	15	6:15	20:59	3774.89	$0	$0	($102,705)	354	($12,981)	$0	$0	$0	$0
183	RT	Unit Testing	SCE	LA Basin	10-Jun-13	175	No	INC	7	16:25	22:59	941.61	$0	$0	($38,154)	63	($2,550)	$0	$0	$0	$0

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load cost	Startup Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
184	RT	Unit Testing	SCE	LA Basin	11-Jun-13	150-346	No	INC	17	7:15	23:59	2633.49	$0	$0	($102,985)	96	($4,328)		$0	$0	$0	$0
185	RT	Unit Testing	SCE	LA Basin	12-Jun-13	240-420	No	INC	18	6:50	23:59	6294.94	$0	$0	($219,953)	1286	($48,011)		$0	$0	$0	$0
186	RT	Unit Testing	SCE	LA Basin	13-Jun-13	150-450	No	INC	18	6:05	23:59	6371.02	$0	$0	($209,351)	192	($6,930)		$0	$0	$0	$0
187	RT	Unit Testing	SCE	LA Basin	14-Jun-13	147-294	No	INC	17	7:40	23:59	3566.01	$0	$0	($138,292)	18		($644)	$0	$0	$0	$0
188	RT	Unit Testing	SCE	LA Basin	15-Jun-13	147-243	No	INC	23	0:10	22:59	5869.07	$0	$0	($197,085)	1031	($37,928)		$0	$0	$0	$0
189	RT	Unit Testing	SCE	LA Basin	16-Jun-13	180-360	No	INC	10	9:15	18:59	1281.53	$0	$0	($37,787)	192	($7,210)		$0	$0	$0	$0
190	RT	Unit Testing	SCE	LA Basin	17-Jun-13	150-514	No	INC	20	4:05	23:59	3053.16	$0	$0	($103,625)	59	($2,755)		$0	$0	$0	$0
191	RT	Unit Testing	SCE	LA Basin	18-Jun-13	150-424	No	INC	24	0:00	23:59	3863.50	$0	$0	($119,013)	82	($2,824)		$0	$0	$0	$0
192	RT	Unit Testing	SCE	LA Basin	19-Jun-13	150-400	No	INC	24	0:00	23:59	7075.25	$0	$0	($220,427)	450	($18,638)		$0	$0	$0	$0
193	RT	Unit Testing	SCE	LA Basin	20-Jun-13	200-440	No	INC	24	0:00	23:59	8681.78	$0	$0	($268,629)	823	($25,787)		$0	$0	$0	$0
194	RT	Unit Testing	SCE	LA Basin	21-Jun-13	151-190	No	INC	19	0:00	18:59	3141.82	$0	$0	($117,632)	465	($16,393)		$0	$0	$0	$0
195	RT	Unit Testing	SCE	LA Basin	22-Jun-13	245	No	INC	13	7:00	19:59	1658.02	$0	$0	($104,992)	190	($13,585)		$0	$0	$0	$0
196	RT	Unit Testing	SCE	LA Basin	23-Jun-13	170-260	No	INC	12	12:05	23:59	2430.42	$0	$0	($81,756)	220	($9,564)		$0	$0	$0	$0
197	RT	Unit Testing	SCE	LA Basin	24-Jun-13	170-430	No	INC	24	0:00	23:59	6040.41	$0	$0	($221,402)	544	($22,620)		$0	$0	$0	$0
198	RT	Unit Testing	SCE	LA Basin	25-Jun-13	170-535	Yes	INC	24	0:05	23:59	6473.27	$0	$0	($225,389)	643	($26,692)		$0	$0	$0	$0
199	RT	Unit Testing	SCE	LA Basin	26-Jun-13	170-355	No	INC	17	0:00	16:59	3867.45	$0	$0	($175,761)	470	($20,799)		$0	$0	$0	$0
200	RT	Unit Testing	SCE	LA Basin	27-Jun-13	260	No	INC	7	11:15	17:59	1394.06	$0	$0	($95,520)	126	($7,421)		$0	$0	$0	$0
201	RT	Unit Testing	SCE	LA Basin	28-Jun-13	180-250	No	INC	8	11:55	18:59	739.02	$0	$0	($48,840)	104	($6,471)		$0	$0	$0	$0
202	RT	Unit Testing	SCE	LA Basin	29-Jun-13	250	No	INC	1	0:35	0:39	0.00	$0	$0	$0	0	$0		$0	$0	$0	$0
203	RT	Unit Testing	SDG&E	San Diego-IV	19-Jun-13	100-274	No	INC	15	6:00	20:59	2458.94	$73,356	$0	($103,553)	1741	($81,738)		$0	$0	$0	$0

Appendix A: Explanation by Example

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

Example 1: Exceptional Dispatch Instructions Prior to DAM

In this fictitious example, the ISO issued an exceptional dispatch instruction for Resource A to be committed at its Pmin of 50 MW from hours ending 5 through 10 for a generation procedure 7630. Similarly, the ISO issued additional instructions to Resources B and C for the same reason as shown in Table 2. Generally exceptional dispatches prior to the day-ahead market are commitments to minimum load. In this case the dispatch levels are all at minimum load. Table 2 below also shows the commitment costs and the total volume (MWh) of exceptional dispatch instruction for each resource. The minimum load costs and start up costs, shown in Table 2 are the eligible minimum load and start up costs which are different from the bid-in minimum load and start up costs[7]. 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

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[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 6:00 through 11:00 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 7:00 through 9:00 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 are 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	1800	0	0	0	0	0
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. 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, 2009 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 (PGAE) 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 PGAE LAP and point B is in SCE LAP. Please note these two points correspond to an actual pricing node in the ISO system. Only one resource was connected to each of these pricing nodes. For each resource the following input parameters were obtained to perform the analysis:

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

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

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

Table 8 shows the price impact analysis information for node A, which is located in the PGAE area. This table shows all the five minute intervals in which the resource at PNode A was issued an exceptional dispatch instruction. Out of the 8640 five minute intervals in June, this resource was issued exceptional dispatch instructions in 1884 five-minute intervals. This resource was eligible to set the LMP in all 1884 intervals. Resource calculated LMP was larger than the market LMP in 1694 of the 1884 intervals. In the 1694 intervals, the average increase in five minute LMP was $19.32/MWh. This implies that if the ISO was able to model the constraint for this exceptional dispatch, then this resource and all other pricing nodes associated with that constraint would observe an average increase of $19.32/MWh.

Table 9 shows the price impact analysis information for node B, which is located in the SCE area. This table shows all the five minute intervals in which the resource at PNode B was issued an exceptional dispatch instruction. Out of the 8640 five minute intervals, this resource was issued an exceptional dispatch instruction in 888 five minute intervals. This resource was eligible to set the LMP in all 888 intervals. Out of the 888 intervals, resource calculated LMP was larger than the market LMP in 888 intervals. In the 888 intervals, the average increase in five minute LMP was $24.88/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 $24.88/MWh.

Table 8: Price Impact Analysis Information for Pricing Node A in PGAE LAP

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1	5-Jun-13	3	1	$30.74	Yes	$51.51	$20.77
2	5-Jun-13	3	2	$31.08	Yes	$51.51	$20.43
3	5-Jun-13	3	3	$31.66	Yes	$51.51	$19.85
4	5-Jun-13	3	4	$31.66	Yes	$51.51	$19.85
5	5-Jun-13	3	5	$31.66	Yes	$51.51	$19.85
6	5-Jun-13	3	6	$30.78	Yes	$51.51	$20.73
7	5-Jun-13	3	7	$29.84	Yes	$51.51	$21.67
8	5-Jun-13	3	8	$29.84	Yes	$51.51	$21.67
9	5-Jun-13	3	9	$25.69	Yes	$51.51	$25.82
10	5-Jun-13	3	10	$0.01	Yes	$51.51	$51.50
11	5-Jun-13	3	11	$0.01	Yes	$51.51	$51.50
12	5-Jun-13	3	12	$0.01	Yes	$51.51	$51.50
13	5-Jun-13	4	1	$24.80	Yes	$51.51	$26.71
14	5-Jun-13	4	2	$25.13	Yes	$51.51	$26.38
15	5-Jun-13	4	3	$24.80	Yes	$51.51	$26.71
16	5-Jun-13	4	4	$24.83	Yes	$51.51	$26.68
17	5-Jun-13	4	5	$24.83	Yes	$51.51	$26.68
18	5-Jun-13	4	6	$24.83	Yes	$51.51	$26.68
19	5-Jun-13	4	7	$30.96	Yes	$51.51	$20.55
20	5-Jun-13	4	8	$30.77	Yes	$51.51	$20.74
21	5-Jun-13	4	9	$30.96	Yes	$51.51	$20.55
22	5-Jun-13	4	10	$29.46	Yes	$51.51	$22.05
23	5-Jun-13	4	11	$29.46	Yes	$51.51	$22.05
24	5-Jun-13	4	12	$29.63	Yes	$51.51	$21.88
25	5-Jun-13	5	1	$31.84	Yes	$51.51	$19.67
26	5-Jun-13	5	2	$32.15	Yes	$51.51	$19.36
27	5-Jun-13	5	3	$32.20	Yes	$51.51	$19.31
28	5-Jun-13	5	4	$32.20	Yes	$51.51	$19.31
29	5-Jun-13	5	5	$32.47	Yes	$51.51	$19.04
30	5-Jun-13	5	6	$32.47	Yes	$51.51	$19.04
31	5-Jun-13	5	7	$33.16	Yes	$51.51	$18.35
32	5-Jun-13	5	8	$33.80	Yes	$51.51	$17.71
33	5-Jun-13	5	9	$33.91	Yes	$51.51	$17.60
34	5-Jun-13	5	10	$34.09	Yes	$51.51	$17.42
35	5-Jun-13	5	11	$33.98	Yes	$51.51	$17.53
36	5-Jun-13	5	12	$33.98	Yes	$51.51	$17.53

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
37	5-Jun-13	6	1	$32.04	Yes	$51.51	$19.47
38	5-Jun-13	6	2	$31.38	Yes	$51.51	$20.13
39	5-Jun-13	6	3	$30.46	Yes	$51.51	$21.05
40	5-Jun-13	6	4	$31.60	Yes	$51.51	$19.91
41	5-Jun-13	6	5	$31.80	Yes	$51.51	$19.71
42	5-Jun-13	6	6	$31.79	Yes	$51.51	$19.72
43	5-Jun-13	6	7	$31.70	Yes	$51.51	$19.81
44	5-Jun-13	6	8	$32.15	Yes	$51.51	$19.36
45	5-Jun-13	6	9	$32.07	Yes	$51.51	$19.44
46	5-Jun-13	6	10	$32.27	Yes	$51.51	$19.24
47	5-Jun-13	6	11	$31.85	Yes	$51.51	$19.66
48	5-Jun-13	6	12	$32.79	Yes	$51.51	$18.72
49	5-Jun-13	7	1	$0.01	Yes	$51.51	$51.50
50	5-Jun-13	7	2	$29.37	Yes	$51.51	$22.14
51	5-Jun-13	7	3	$31.31	Yes	$51.51	$20.20
52	5-Jun-13	7	4	$33.21	Yes	$51.51	$18.30
53	5-Jun-13	7	5	$33.54	Yes	$51.51	$17.97
54	5-Jun-13	7	6	$33.70	Yes	$51.51	$17.81
55	5-Jun-13	7	7	$34.29	Yes	$51.51	$17.22
56	5-Jun-13	7	8	$34.29	Yes	$51.51	$17.22
57	5-Jun-13	7	9	$35.74	Yes	$51.51	$15.77
58	5-Jun-13	7	10	$35.84	Yes	$51.51	$15.67
59	5-Jun-13	7	11	$36.04	Yes	$51.51	$15.47
60	5-Jun-13	7	12	$37.61	Yes	$51.51	$13.90
61	5-Jun-13	8	1	$33.55	Yes	$51.51	$17.96
62	5-Jun-13	8	2	$33.55	Yes	$51.51	$17.96
63	5-Jun-13	8	3	$33.77	Yes	$51.51	$17.74
64	5-Jun-13	8	4	$34.31	Yes	$51.51	$17.20
65	5-Jun-13	8	5	$34.71	Yes	$51.51	$16.80
66	5-Jun-13	8	6	$34.71	Yes	$51.51	$16.80
67	5-Jun-13	8	7	$35.23	Yes	$51.51	$16.28
68	5-Jun-13	8	8	$35.84	Yes	$51.51	$15.67
69	5-Jun-13	8	9	$35.84	Yes	$51.51	$15.67
70	5-Jun-13	8	10	$35.96	Yes	$51.51	$15.55
71	5-Jun-13	8	11	$35.96	Yes	$51.51	$15.55
72	5-Jun-13	8	12	$34.47	Yes	$51.71	$17.24
73	5-Jun-13	9	1	$33.29	Yes	$51.71	$18.42
74	5-Jun-13	9	2	$32.65	Yes	$51.71	$19.06

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
75	5-Jun-13	9	3	$32.65	Yes	$51.71	$19.06
76	5-Jun-13	9	4	$33.34	Yes	$51.71	$18.37
77	5-Jun-13	9	5	$32.41	Yes	$51.71	$19.30
78	5-Jun-13	9	6	$33.61	Yes	$51.51	$17.90
79	5-Jun-13	9	7	$33.57	Yes	$51.51	$17.94
80	5-Jun-13	9	8	$34.25	Yes	$51.51	$17.26
81	5-Jun-13	9	9	$34.25	Yes	$51.51	$17.26
82	5-Jun-13	9	10	$34.66	Yes	$51.51	$16.85
83	5-Jun-13	9	11	$34.66	Yes	$51.51	$16.85
84	5-Jun-13	9	12	$34.34	Yes	$51.51	$17.17
85	5-Jun-13	10	1	$20.75	Yes	$51.51	$30.76
86	5-Jun-13	10	2	$21.94	Yes	$51.51	$29.57
87	5-Jun-13	10	3	$20.75	Yes	$51.51	$30.76
88	5-Jun-13	10	4	$28.46	Yes	$51.51	$23.05
89	5-Jun-13	10	5	$31.64	Yes	$51.51	$19.87
90	5-Jun-13	10	6	$31.68	Yes	$51.51	$19.83
91	5-Jun-13	10	7	$31.36	Yes	$51.51	$20.15
92	5-Jun-13	10	8	$33.34	Yes	$51.51	$18.17
93	5-Jun-13	10	9	$33.34	Yes	$51.51	$18.17
94	5-Jun-13	10	10	$33.43	Yes	$51.51	$18.08
95	5-Jun-13	10	11	$33.43	Yes	$51.51	$18.08
96	5-Jun-13	10	12	$33.43	Yes	$51.51	$18.08
97	5-Jun-13	11	1	$33.05	Yes	$51.51	$18.46
98	5-Jun-13	11	2	$33.05	Yes	$51.51	$18.46
99	5-Jun-13	11	3	$33.05	Yes	$51.51	$18.46
100	5-Jun-13	11	4	$33.30	Yes	$51.51	$18.21
101	5-Jun-13	11	5	$33.30	Yes	$51.51	$18.21
102	5-Jun-13	11	6	$33.30	Yes	$51.51	$18.21
103	5-Jun-13	11	7	$33.31	Yes	$51.51	$18.20
104	5-Jun-13	11	8	$33.13	Yes	$51.51	$18.38
105	5-Jun-13	11	9	$33.13	Yes	$51.51	$18.38
106	5-Jun-13	11	10	$33.26	Yes	$51.51	$18.25
107	5-Jun-13	11	11	$33.42	Yes	$51.51	$18.09
108	5-Jun-13	11	12	$33.42	Yes	$51.51	$18.09
109	5-Jun-13	12	1	$33.05	Yes	$51.51	$18.46
110	5-Jun-13	12	2	$33.28	Yes	$51.51	$18.23
111	5-Jun-13	12	3	$33.39	Yes	$51.51	$18.12
112	5-Jun-13	12	4	$33.89	Yes	$51.51	$17.62

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
113	5-Jun-13	12	5	$33.71	Yes	$51.51	$17.80
114	5-Jun-13	12	6	$33.31	Yes	$51.51	$18.20
115	5-Jun-13	12	7	$33.11	Yes	$51.51	$18.40
116	5-Jun-13	12	8	$159.02	Yes	$51.51	($107.51)
117	5-Jun-13	12	9	$32.58	Yes	$51.51	$18.93
118	5-Jun-13	12	10	$32.67	Yes	$51.51	$18.84
119	5-Jun-13	12	11	$32.95	Yes	$51.51	$18.56
120	5-Jun-13	12	12	$32.95	Yes	$51.51	$18.56
121	5-Jun-13	13	1	$27.74	Yes	$51.51	$23.77
122	5-Jun-13	13	2	$30.75	Yes	$51.51	$20.76
123	5-Jun-13	13	3	$30.75	Yes	$51.51	$20.76
124	5-Jun-13	13	4	$31.34	Yes	$51.51	$20.17
125	5-Jun-13	13	5	$31.70	Yes	$51.51	$19.81
126	5-Jun-13	13	6	$30.30	Yes	$51.51	$21.21
127	5-Jun-13	13	7	$32.93	Yes	$51.51	$18.58
128	5-Jun-13	13	8	$32.88	Yes	$51.51	$18.63
129	5-Jun-13	13	9	$32.26	Yes	$51.51	$19.25
130	5-Jun-13	13	10	$32.26	Yes	$51.51	$19.25
131	5-Jun-13	13	11	$31.72	Yes	$51.51	$19.79
132	5-Jun-13	13	12	$32.26	Yes	$51.51	$19.25
133	5-Jun-13	14	1	$31.08	Yes	$51.51	$20.43
134	5-Jun-13	14	2	$32.06	Yes	$51.51	$19.45
135	5-Jun-13	14	3	$32.13	Yes	$51.51	$19.38
136	5-Jun-13	14	4	$32.27	Yes	$51.51	$19.24
137	5-Jun-13	14	5	$32.75	Yes	$51.51	$18.76
138	5-Jun-13	14	6	$33.00	Yes	$51.51	$18.51
139	5-Jun-13	14	7	$33.45	Yes	$51.51	$18.06
140	5-Jun-13	14	8	$33.20	Yes	$51.51	$18.31
141	5-Jun-13	14	9	$33.00	Yes	$51.51	$18.51
142	5-Jun-13	14	10	$33.91	Yes	$51.51	$17.60
143	5-Jun-13	14	11	$33.97	Yes	$51.51	$17.54
144	5-Jun-13	14	12	$35.82	Yes	$51.51	$15.69
145	5-Jun-13	15	1	$34.51	Yes	$51.51	$17.00
146	5-Jun-13	15	2	$34.25	Yes	$51.51	$17.26
147	5-Jun-13	15	3	$33.99	Yes	$51.51	$17.52
148	5-Jun-13	15	4	$34.01	Yes	$51.51	$17.50
149	5-Jun-13	15	5	$34.27	Yes	$51.51	$17.24
150	5-Jun-13	15	6	$34.28	Yes	$51.51	$17.23

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
151	5-Jun-13	15	7	$34.09	Yes	$51.51	$17.42
152	5-Jun-13	15	8	$34.35	Yes	$51.51	$17.16
153	5-Jun-13	15	9	$35.40	Yes	$51.51	$16.11
154	5-Jun-13	15	10	$35.61	Yes	$51.51	$15.90
155	5-Jun-13	15	11	$35.99	Yes	$51.51	$15.52
156	5-Jun-13	15	12	$35.48	Yes	$51.51	$16.03
157	5-Jun-13	16	1	$34.33	Yes	$51.51	$17.18
158	5-Jun-13	16	2	$34.18	Yes	$51.51	$17.33
159	5-Jun-13	16	3	$33.81	Yes	$51.51	$17.70
160	5-Jun-13	16	4	$34.04	Yes	$51.51	$17.47
161	5-Jun-13	16	5	$34.04	Yes	$51.51	$17.47
162	5-Jun-13	16	6	$34.04	Yes	$51.51	$17.47
163	5-Jun-13	16	7	$33.93	Yes	$51.51	$17.58
164	5-Jun-13	16	8	$33.92	Yes	$51.51	$17.59
165	5-Jun-13	16	9	$33.92	Yes	$51.51	$17.59
166	5-Jun-13	16	10	$33.96	Yes	$51.51	$17.55
167	5-Jun-13	16	11	$33.72	Yes	$51.51	$17.79
168	5-Jun-13	16	12	$33.72	Yes	$51.51	$17.79
169	5-Jun-13	17	1	$32.29	Yes	$51.51	$19.22
170	5-Jun-13	17	2	$31.78	Yes	$51.51	$19.73
171	5-Jun-13	17	3	$31.74	Yes	$51.51	$19.77
172	5-Jun-13	17	4	$29.18	Yes	$51.51	$22.33
173	5-Jun-13	17	5	$28.69	Yes	$51.51	$22.82
174	5-Jun-13	17	6	$29.17	Yes	$51.51	$22.34
175	5-Jun-13	17	7	$29.02	Yes	$51.51	$22.49
176	5-Jun-13	17	8	$28.57	Yes	$51.51	$22.94
177	5-Jun-13	17	9	$28.57	Yes	$51.51	$22.94
178	5-Jun-13	17	10	$29.14	Yes	$51.51	$22.37
179	5-Jun-13	17	11	$29.14	Yes	$51.51	$22.37
180	5-Jun-13	17	12	$28.56	Yes	$51.51	$22.95
181	5-Jun-13	18	1	$30.05	Yes	$51.51	$21.46
182	5-Jun-13	18	2	$30.69	Yes	$51.51	$20.82
183	5-Jun-13	18	3	$30.69	Yes	$51.51	$20.82
184	5-Jun-13	18	4	$30.65	Yes	$51.51	$20.86
185	5-Jun-13	18	5	$30.65	Yes	$51.51	$20.86
186	5-Jun-13	18	6	$29.13	Yes	$51.51	$22.38
187	5-Jun-13	18	7	$30.43	Yes	$51.51	$21.08
188	5-Jun-13	18	8	$29.03	Yes	$51.51	$22.48

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
189	5-Jun-13	18	9	$29.15	Yes	$51.51	$22.36
190	5-Jun-13	18	10	$29.03	Yes	$51.51	$22.48
191	5-Jun-13	18	11	$28.28	Yes	$51.51	$23.23
192	5-Jun-13	18	12	$29.03	Yes	$51.51	$22.48
193	5-Jun-13	19	1	$31.54	Yes	$51.51	$19.97
194	5-Jun-13	19	2	$31.23	Yes	$51.51	$20.28
195	5-Jun-13	19	3	$32.43	Yes	$51.51	$19.08
196	5-Jun-13	19	4	$32.39	Yes	$51.51	$19.12
197	5-Jun-13	19	5	$32.27	Yes	$51.51	$19.24
198	5-Jun-13	19	6	$32.39	Yes	$51.51	$19.12
199	5-Jun-13	19	7	$29.22	Yes	$51.51	$22.29
200	5-Jun-13	19	8	$29.14	Yes	$51.51	$22.37
201	5-Jun-13	19	9	$29.09	Yes	$51.51	$22.42
202	5-Jun-13	19	10	$27.00	Yes	$51.51	$24.51
203	5-Jun-13	19	11	$26.99	Yes	$51.51	$24.52
204	5-Jun-13	19	12	$26.81	Yes	$51.51	$24.70
205	5-Jun-13	20	1	$25.86	Yes	$51.51	$25.65
206	5-Jun-13	20	2	$25.90	Yes	$51.51	$25.61
207	5-Jun-13	20	3	$25.86	Yes	$51.51	$25.65
208	5-Jun-13	20	4	$25.75	Yes	$51.51	$25.76
209	5-Jun-13	20	5	$25.23	Yes	$51.51	$26.28
210	5-Jun-13	20	6	$25.16	Yes	$51.51	$26.35
211	5-Jun-13	20	7	$25.40	Yes	$51.51	$26.11
212	5-Jun-13	20	8	$25.40	Yes	$51.51	$26.11
213	5-Jun-13	20	9	$25.32	Yes	$51.51	$26.19
214	5-Jun-13	20	10	$25.95	Yes	$51.51	$25.56
215	5-Jun-13	20	11	$25.87	Yes	$51.51	$25.64
216	5-Jun-13	20	12	$25.87	Yes	$51.51	$25.64
217	5-Jun-13	21	1	$25.97	Yes	$51.51	$25.54
218	5-Jun-13	21	2	$26.30	Yes	$51.51	$25.21
219	5-Jun-13	21	3	$26.97	Yes	$51.51	$24.54
220	5-Jun-13	21	4	$26.67	Yes	$51.51	$24.84
221	5-Jun-13	21	5	$27.44	Yes	$51.51	$24.07
222	5-Jun-13	21	6	$27.44	Yes	$51.51	$24.07
223	5-Jun-13	21	7	$26.31	Yes	$51.51	$25.20
224	5-Jun-13	21	8	$26.19	Yes	$51.51	$25.32
225	5-Jun-13	21	9	$26.35	Yes	$51.51	$25.16
226	5-Jun-13	21	10	$27.55	Yes	$51.51	$23.96

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
227	5-Jun-13	21	11	$28.00	Yes	$51.51	$23.51
228	5-Jun-13	21	12	$27.27	Yes	$51.51	$24.24
229	5-Jun-13	22	1	$28.89	Yes	$51.51	$22.62
230	5-Jun-13	22	2	$29.38	Yes	$51.51	$22.13
231	5-Jun-13	22	3	$29.19	Yes	$51.51	$22.32
232	5-Jun-13	22	4	$29.84	Yes	$51.51	$21.67
233	5-Jun-13	22	5	$29.21	Yes	$51.51	$22.30
234	5-Jun-13	22	6	$29.21	Yes	$51.51	$22.30
235	5-Jun-13	22	7	$28.36	Yes	$51.51	$23.15
236	5-Jun-13	22	8	$28.36	Yes	$51.51	$23.15
237	5-Jun-13	22	9	$28.36	Yes	$51.51	$23.15
238	5-Jun-13	22	10	$27.55	Yes	$51.51	$23.96
239	5-Jun-13	22	11	$27.12	Yes	$51.51	$24.39
240	5-Jun-13	22	12	$20.95	Yes	$51.51	$30.56
241	5-Jun-13	23	1	$33.22	Yes	$51.51	$18.29
242	5-Jun-13	23	2	$32.51	Yes	$51.51	$19.00
243	5-Jun-13	23	3	$33.22	Yes	$51.51	$18.29
244	5-Jun-13	23	4	$32.60	Yes	$51.51	$18.91
245	5-Jun-13	23	5	$33.02	Yes	$51.51	$18.49
246	5-Jun-13	23	6	$33.52	Yes	$51.51	$17.99
247	5-Jun-13	23	7	$29.19	Yes	$51.51	$22.32
248	5-Jun-13	23	8	$29.35	Yes	$51.51	$22.16
249	5-Jun-13	23	9	$25.36	Yes	$51.51	$26.15
250	5-Jun-13	23	10	$23.08	Yes	$51.51	$28.43
251	5-Jun-13	23	11	$21.93	Yes	$51.51	$29.58
252	5-Jun-13	23	12	$20.77	Yes	$51.51	$30.74
253	5-Jun-13	24	1	$31.66	Yes	$51.51	$19.85
254	5-Jun-13	24	2	$31.66	Yes	$51.51	$19.85
255	5-Jun-13	24	3	$31.66	Yes	$51.51	$19.85
256	5-Jun-13	24	4	$31.79	Yes	$51.51	$19.72
257	5-Jun-13	24	5	$31.79	Yes	$51.51	$19.72
258	5-Jun-13	24	6	$32.39	Yes	$51.51	$19.12
259	5-Jun-13	24	7	$26.87	Yes	$51.51	$24.64
260	5-Jun-13	24	8	$31.66	Yes	$51.51	$19.85
261	5-Jun-13	24	9	$32.02	Yes	$51.51	$19.49
262	5-Jun-13	24	10	$25.50	Yes	$51.51	$26.01
263	5-Jun-13	24	11	$25.50	Yes	$51.51	$26.01
264	5-Jun-13	24	12	$14.83	Yes	$51.51	$36.68

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
265	6-Jun-13	1	1	$34.05	Yes	$51.32	$17.27
266	6-Jun-13	1	2	$32.21	Yes	$51.32	$19.11
267	6-Jun-13	1	3	$34.05	Yes	$51.32	$17.27
268	6-Jun-13	1	4	$31.54	Yes	$51.32	$19.78
269	6-Jun-13	1	5	$31.54	Yes	$51.32	$19.78
270	6-Jun-13	1	6	$31.13	Yes	$51.32	$20.19
271	6-Jun-13	1	7	$30.84	Yes	$51.32	$20.48
272	6-Jun-13	1	8	$29.10	Yes	$51.32	$22.22
273	6-Jun-13	1	9	$25.43	Yes	$51.32	$25.89
274	6-Jun-13	1	10	$25.30	Yes	$51.32	$26.02
275	6-Jun-13	1	11	$25.30	Yes	$51.32	$26.02
276	6-Jun-13	1	12	$21.96	Yes	$51.32	$29.36
277	6-Jun-13	2	1	$22.92	Yes	$51.32	$28.40
278	6-Jun-13	2	2	$25.30	Yes	$51.32	$26.02
279	6-Jun-13	2	3	$31.13	Yes	$51.32	$20.19
280	6-Jun-13	2	4	$31.33	Yes	$51.32	$19.99
281	6-Jun-13	2	5	$31.54	Yes	$51.32	$19.78
282	6-Jun-13	2	6	$29.28	Yes	$51.32	$22.04
283	6-Jun-13	2	7	$25.38	Yes	$51.32	$25.94
284	6-Jun-13	2	8	$25.35	Yes	$51.32	$25.97
285	6-Jun-13	2	9	$22.11	Yes	$51.32	$29.21
286	6-Jun-13	2	10	$20.43	Yes	$51.32	$30.89
287	6-Jun-13	2	11	$20.40	Yes	$51.32	$30.92
288	6-Jun-13	2	12	$22.14	Yes	$51.32	$29.18
289	6-Jun-13	3	1	$25.61	Yes	$51.32	$25.71
290	6-Jun-13	3	2	$26.27	Yes	$51.32	$25.05
291	6-Jun-13	3	3	$26.47	Yes	$51.32	$24.85
292	6-Jun-13	3	4	$26.37	Yes	$51.32	$24.95
293	6-Jun-13	3	5	$31.37	Yes	$51.32	$19.95
294	6-Jun-13	3	6	$31.27	Yes	$51.32	$20.05
295	6-Jun-13	3	7	$25.26	Yes	$51.32	$26.06
296	6-Jun-13	3	8	$25.41	Yes	$51.32	$25.91
297	6-Jun-13	3	9	$25.28	Yes	$51.32	$26.04
298	6-Jun-13	3	10	$25.29	Yes	$51.32	$26.03
299	6-Jun-13	3	11	$25.29	Yes	$51.32	$26.03
300	6-Jun-13	3	12	$25.29	Yes	$51.32	$26.03
301	6-Jun-13	4	1	$31.33	Yes	$51.32	$19.99
302	6-Jun-13	4	2	$30.47	Yes	$51.32	$20.85

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
303	6-Jun-13	4	3	$31.33	Yes	$51.32	$19.99
304	6-Jun-13	4	4	$26.34	Yes	$51.32	$24.98
305	6-Jun-13	4	5	$26.37	Yes	$51.32	$24.95
306	6-Jun-13	4	6	$31.54	Yes	$51.32	$19.78
307	6-Jun-13	4	7	$31.54	Yes	$51.32	$19.78
308	6-Jun-13	4	8	$24.60	Yes	$51.32	$26.72
309	6-Jun-13	4	9	$24.30	Yes	$51.32	$27.02
310	6-Jun-13	4	10	$30.23	Yes	$51.32	$21.09
311	6-Jun-13	4	11	$30.23	Yes	$51.32	$21.09
312	6-Jun-13	4	12	$29.94	Yes	$51.32	$21.38
313	6-Jun-13	5	1	$24.60	Yes	$51.32	$26.72
314	6-Jun-13	5	2	$12.68	Yes	$51.32	$38.64
315	6-Jun-13	5	3	$10.54	Yes	$51.32	$40.78
316	6-Jun-13	5	4	$12.92	Yes	$51.32	$38.40
317	6-Jun-13	5	5	$12.92	Yes	$51.32	$38.40
318	6-Jun-13	5	6	$12.92	Yes	$51.32	$38.40
319	6-Jun-13	5	7	$13.01	Yes	$51.32	$38.31
320	6-Jun-13	5	8	$15.41	Yes	$51.32	$35.91
321	6-Jun-13	5	9	$15.42	Yes	$51.32	$35.90
322	6-Jun-13	5	10	$28.92	Yes	$51.32	$22.40
323	6-Jun-13	5	11	$28.92	Yes	$51.32	$22.40
324	6-Jun-13	5	12	$28.92	Yes	$51.32	$22.40
325	6-Jun-13	6	1	$25.40	Yes	$51.32	$25.92
326	6-Jun-13	6	2	$20.41	Yes	$51.32	$30.91
327	6-Jun-13	6	3	$0.01	Yes	$51.32	$51.31
328	6-Jun-13	6	4	$20.39	Yes	$51.32	$30.93
329	6-Jun-13	6	5	$25.38	Yes	$51.32	$25.94
330	6-Jun-13	6	6	$31.17	Yes	$51.32	$20.15
331	6-Jun-13	6	7	$31.93	Yes	$51.32	$19.39
332	6-Jun-13	6	8	$31.93	Yes	$51.32	$19.39
333	6-Jun-13	6	9	$32.11	Yes	$51.32	$19.21
334	6-Jun-13	6	10	$33.14	Yes	$51.32	$18.18
335	6-Jun-13	6	11	$33.78	Yes	$51.32	$17.54
336	6-Jun-13	6	12	$36.85	Yes	$51.32	$14.47
337	6-Jun-13	7	1	$31.39	Yes	$51.32	$19.93
338	6-Jun-13	7	2	$32.09	Yes	$51.32	$19.23
339	6-Jun-13	7	3	$32.63	Yes	$51.32	$18.69
340	6-Jun-13	7	4	$33.07	Yes	$51.32	$18.25

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
341	6-Jun-13	7	5	$34.32	Yes	$51.32	$17.00
342	6-Jun-13	7	6	$35.36	Yes	$51.32	$15.96
343	6-Jun-13	7	7	$37.54	Yes	$51.32	$13.78
344	6-Jun-13	7	8	$37.68	Yes	$51.32	$13.64
345	6-Jun-13	7	9	$40.43	Yes	$51.32	$10.89
346	6-Jun-13	7	10	$35.68	Yes	$51.32	$15.64
347	6-Jun-13	7	11	$38.00	Yes	$51.32	$13.32
348	6-Jun-13	7	12	$37.41	Yes	$51.32	$13.91
349	6-Jun-13	8	1	$34.06	Yes	$51.32	$17.26
350	6-Jun-13	8	2	$34.06	Yes	$51.32	$17.26
351	6-Jun-13	8	3	$34.06	Yes	$51.32	$17.26
352	6-Jun-13	8	4	$33.82	Yes	$51.32	$17.50
353	6-Jun-13	8	5	$34.16	Yes	$51.32	$17.16
354	6-Jun-13	8	6	$34.63	Yes	$51.32	$16.69
355	6-Jun-13	8	7	$34.66	Yes	$51.32	$16.66
356	6-Jun-13	8	8	$35.46	Yes	$51.32	$15.86
357	6-Jun-13	8	9	$35.46	Yes	$51.32	$15.86
358	6-Jun-13	8	10	$35.69	Yes	$51.32	$15.63
359	6-Jun-13	8	11	$35.61	Yes	$51.32	$15.71
360	6-Jun-13	8	12	$35.55	Yes	$51.32	$15.77
361	6-Jun-13	9	1	$26.56	Yes	$51.32	$24.76
362	6-Jun-13	9	2	$26.56	Yes	$51.32	$24.76
363	6-Jun-13	9	3	$28.41	Yes	$51.32	$22.91
364	6-Jun-13	9	4	$29.31	Yes	$51.32	$22.01
365	6-Jun-13	9	5	$31.16	Yes	$51.32	$20.16
366	6-Jun-13	9	6	$29.31	Yes	$51.32	$22.01
367	6-Jun-13	9	7	$31.61	Yes	$51.32	$19.71
368	6-Jun-13	9	8	$31.61	Yes	$51.32	$19.71
369	6-Jun-13	9	9	$32.30	Yes	$51.32	$19.02
370	6-Jun-13	9	10	$32.18	Yes	$51.32	$19.14
371	6-Jun-13	9	11	$32.18	Yes	$51.32	$19.14
372	6-Jun-13	9	12	$32.18	Yes	$51.32	$19.14
373	6-Jun-13	10	1	$32.15	Yes	$51.32	$19.17
374	6-Jun-13	10	2	$31.19	Yes	$51.32	$20.13
375	6-Jun-13	10	3	$31.19	Yes	$51.32	$20.13
376	6-Jun-13	10	4	$31.35	Yes	$51.32	$19.97
377	6-Jun-13	10	5	$31.99	Yes	$51.32	$19.33
378	6-Jun-13	10	6	$31.60	Yes	$51.32	$19.72

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
379	6-Jun-13	10	7	$32.15	Yes	$51.32	$19.17
380	6-Jun-13	10	8	$31.27	Yes	$51.32	$20.05
381	6-Jun-13	10	9	$31.41	Yes	$51.32	$19.91
382	6-Jun-13	10	10	$31.44	Yes	$51.32	$19.88
383	6-Jun-13	10	11	$32.50	Yes	$51.32	$18.82
384	6-Jun-13	10	12	$31.60	Yes	$51.32	$19.72
385	6-Jun-13	11	1	$31.43	Yes	$51.32	$19.89
386	6-Jun-13	11	2	$31.43	Yes	$51.32	$19.89
387	6-Jun-13	11	3	$31.60	Yes	$51.32	$19.72
388	6-Jun-13	11	4	$31.26	Yes	$51.32	$20.06
389	6-Jun-13	11	5	$31.26	Yes	$51.32	$20.06
390	6-Jun-13	11	6	$31.26	Yes	$51.32	$20.06
391	6-Jun-13	11	7	$32.15	Yes	$51.32	$19.17
392	6-Jun-13	11	8	$31.37	Yes	$51.32	$19.95
393	6-Jun-13	11	9	$31.61	Yes	$51.32	$19.71
394	6-Jun-13	11	10	$31.63	Yes	$51.32	$19.69
395	6-Jun-13	11	11	$31.66	Yes	$51.32	$19.66
396	6-Jun-13	11	12	$31.63	Yes	$51.32	$19.69
397	6-Jun-13	12	1	$30.01	Yes	$51.32	$21.31
398	6-Jun-13	12	2	$31.47	Yes	$51.32	$19.85
399	6-Jun-13	12	3	$31.37	Yes	$51.32	$19.95
400	6-Jun-13	12	4	$31.39	Yes	$51.32	$19.93
401	6-Jun-13	12	5	$31.10	Yes	$51.32	$20.22
402	6-Jun-13	12	6	$31.39	Yes	$51.32	$19.93
403	6-Jun-13	12	7	$31.66	Yes	$51.32	$19.66
404	6-Jun-13	12	8	$31.66	Yes	$51.32	$19.66
405	6-Jun-13	12	9	$31.33	Yes	$51.32	$19.99
406	6-Jun-13	12	10	$31.34	Yes	$51.32	$19.98
407	6-Jun-13	12	11	$31.75	Yes	$51.32	$19.57
408	6-Jun-13	12	12	$31.85	Yes	$51.32	$19.47
409	6-Jun-13	13	1	$30.43	Yes	$51.32	$20.89
410	6-Jun-13	13	2	$28.77	Yes	$51.32	$22.55
411	6-Jun-13	13	3	$27.70	Yes	$51.32	$23.62
412	6-Jun-13	13	4	$31.98	Yes	$51.32	$19.34
413	6-Jun-13	13	5	$32.68	Yes	$51.32	$18.64
414	6-Jun-13	13	6	$32.94	Yes	$51.32	$18.38
415	6-Jun-13	13	7	$32.98	Yes	$51.32	$18.34
416	6-Jun-13	13	8	$33.48	Yes	$51.32	$17.84

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
417	6-Jun-13	13	9	$33.48	Yes	$51.32	$17.84
418	6-Jun-13	13	10	$33.66	Yes	$51.32	$17.66
419	6-Jun-13	13	11	$33.91	Yes	$51.32	$17.41
420	6-Jun-13	13	12	$34.15	Yes	$51.32	$17.17
421	6-Jun-13	14	1	$32.75	Yes	$51.32	$18.57
422	6-Jun-13	14	2	$33.33	Yes	$51.32	$17.99
423	6-Jun-13	14	3	$33.84	Yes	$51.32	$17.48
424	6-Jun-13	14	4	$32.85	Yes	$51.32	$18.47
425	6-Jun-13	14	5	$33.19	Yes	$51.32	$18.13
426	6-Jun-13	14	6	$33.35	Yes	$51.32	$17.97
427	6-Jun-13	14	7	$33.42	Yes	$51.32	$17.90
428	6-Jun-13	14	8	$33.42	Yes	$51.32	$17.90
429	6-Jun-13	14	9	$33.59	Yes	$51.32	$17.73
430	6-Jun-13	14	10	$33.48	Yes	$51.32	$17.84
431	6-Jun-13	14	11	$33.73	Yes	$51.32	$17.59
432	6-Jun-13	14	12	$33.28	Yes	$51.32	$18.04
433	6-Jun-13	15	1	$33.28	Yes	$51.32	$18.04
434	6-Jun-13	15	2	$33.12	Yes	$51.32	$18.20
435	6-Jun-13	15	3	$33.37	Yes	$51.32	$17.95
436	6-Jun-13	15	4	$33.05	Yes	$51.32	$18.27
437	6-Jun-13	15	5	$33.21	Yes	$51.32	$18.11
438	6-Jun-13	15	6	$32.68	Yes	$51.32	$18.64
439	6-Jun-13	15	7	$33.48	Yes	$51.32	$17.84
440	6-Jun-13	15	8	$31.81	Yes	$51.32	$19.51
441	6-Jun-13	15	9	$28.27	Yes	$51.32	$23.05
442	6-Jun-13	15	10	$27.93	Yes	$51.32	$23.39
443	6-Jun-13	15	11	$28.36	Yes	$51.32	$22.96
444	6-Jun-13	15	12	$28.37	Yes	$51.32	$22.95
445	6-Jun-13	16	1	$29.59	Yes	$51.32	$21.73
446	6-Jun-13	16	2	$29.73	Yes	$51.32	$21.59
447	6-Jun-13	16	3	$29.62	Yes	$51.32	$21.70
448	6-Jun-13	16	4	$29.38	Yes	$51.32	$21.94
449	6-Jun-13	16	5	$29.54	Yes	$51.32	$21.78
450	6-Jun-13	16	6	$30.12	Yes	$51.32	$21.20
451	6-Jun-13	16	7	$29.07	Yes	$51.32	$22.25
452	6-Jun-13	16	8	$29.23	Yes	$51.32	$22.09
453	6-Jun-13	16	9	$30.82	Yes	$51.32	$20.50
454	6-Jun-13	16	10	$30.86	Yes	$51.32	$20.46

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
455	6-Jun-13	16	11	$32.62	Yes	$51.32	$18.70
456	6-Jun-13	16	12	$32.58	Yes	$51.32	$18.74
457	6-Jun-13	17	1	$31.90	Yes	$51.32	$19.42
458	6-Jun-13	17	2	$31.90	Yes	$51.32	$19.42
459	6-Jun-13	17	3	$31.90	Yes	$51.32	$19.42
460	6-Jun-13	17	4	$32.15	Yes	$51.32	$19.17
461	6-Jun-13	17	5	$33.73	Yes	$51.32	$17.59
462	6-Jun-13	17	6	$33.73	Yes	$51.32	$17.59
463	6-Jun-13	17	7	$33.86	Yes	$51.32	$17.46
464	6-Jun-13	17	8	$33.86	Yes	$51.32	$17.46
465	6-Jun-13	17	9	$33.86	Yes	$51.32	$17.46
466	6-Jun-13	17	10	$33.86	Yes	$51.32	$17.46
467	6-Jun-13	17	11	$33.86	Yes	$51.32	$17.46
468	6-Jun-13	17	12	$33.74	Yes	$51.32	$17.58
469	6-Jun-13	18	1	$33.78	Yes	$51.32	$17.54
470	6-Jun-13	18	2	$33.78	Yes	$51.32	$17.54
471	6-Jun-13	18	3	$33.78	Yes	$51.32	$17.54
472	6-Jun-13	18	4	$33.89	Yes	$51.32	$17.43
473	6-Jun-13	18	5	$33.89	Yes	$51.32	$17.43
474	6-Jun-13	18	6	$33.80	Yes	$51.32	$17.52
475	6-Jun-13	18	7	$32.19	Yes	$51.32	$19.13
476	6-Jun-13	18	8	$32.19	Yes	$51.32	$19.13
477	6-Jun-13	18	9	$32.15	Yes	$51.32	$19.17
478	6-Jun-13	18	10	$32.17	Yes	$51.32	$19.15
479	6-Jun-13	18	11	$32.12	Yes	$51.32	$19.20
480	6-Jun-13	18	12	$32.55	Yes	$51.32	$18.77
481	6-Jun-13	19	1	$32.72	Yes	$51.32	$18.60
482	6-Jun-13	19	2	$33.03	Yes	$51.32	$18.29
483	6-Jun-13	19	3	$33.02	Yes	$51.32	$18.30
484	6-Jun-13	19	4	$33.20	Yes	$51.32	$18.12
485	6-Jun-13	19	5	$33.19	Yes	$51.32	$18.13
486	6-Jun-13	19	6	$33.06	Yes	$51.32	$18.26
487	6-Jun-13	19	7	$32.48	Yes	$51.32	$18.84
488	6-Jun-13	19	8	$32.87	Yes	$51.32	$18.45
489	6-Jun-13	19	9	$32.97	Yes	$51.32	$18.35
490	6-Jun-13	19	10	$32.81	Yes	$51.32	$18.51
491	6-Jun-13	19	11	$33.16	Yes	$51.32	$18.16
492	6-Jun-13	19	12	$32.80	Yes	$51.32	$18.52

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
493	6-Jun-13	20	1	$32.89	Yes	$51.32	$18.43
494	6-Jun-13	20	2	$33.20	Yes	$51.32	$18.12
495	6-Jun-13	20	3	$33.20	Yes	$51.32	$18.12
496	6-Jun-13	20	4	$33.67	Yes	$51.32	$17.65
497	6-Jun-13	20	5	$33.06	Yes	$51.32	$18.26
498	6-Jun-13	20	6	$33.08	Yes	$51.32	$18.24
499	6-Jun-13	20	7	$32.94	Yes	$51.32	$18.38
500	6-Jun-13	20	8	$32.72	Yes	$51.32	$18.60
501	6-Jun-13	20	9	$32.94	Yes	$51.32	$18.38
502	6-Jun-13	20	10	$32.93	Yes	$51.32	$18.39
503	6-Jun-13	20	11	$32.93	Yes	$51.32	$18.39
504	6-Jun-13	20	12	$32.48	Yes	$51.32	$18.84
505	6-Jun-13	21	1	$31.90	Yes	$51.32	$19.42
506	6-Jun-13	21	2	$31.46	Yes	$51.32	$19.86
507	6-Jun-13	21	3	$31.72	Yes	$51.32	$19.60
508	6-Jun-13	21	4	$31.30	Yes	$51.32	$20.02
509	6-Jun-13	21	5	$31.60	Yes	$51.32	$19.72
510	6-Jun-13	21	6	$32.28	Yes	$51.32	$19.04
511	6-Jun-13	21	7	$32.24	Yes	$51.32	$19.08
512	6-Jun-13	21	8	$32.32	Yes	$51.32	$19.00
513	6-Jun-13	21	9	$32.24	Yes	$51.32	$19.08
514	6-Jun-13	21	10	$32.01	Yes	$51.32	$19.31
515	6-Jun-13	21	11	$31.41	Yes	$51.32	$19.91
516	6-Jun-13	21	12	$31.07	Yes	$51.32	$20.25
517	6-Jun-13	22	1	$30.60	Yes	$51.32	$20.72
518	6-Jun-13	22	2	$30.24	Yes	$51.32	$21.08
519	6-Jun-13	22	3	$30.39	Yes	$51.32	$20.93
520	6-Jun-13	22	4	$30.26	Yes	$51.32	$21.06
521	6-Jun-13	22	5	$30.20	Yes	$51.32	$21.12
522	6-Jun-13	22	6	$29.75	Yes	$51.32	$21.57
523	6-Jun-13	22	7	$28.24	Yes	$51.32	$23.08
524	6-Jun-13	22	8	$27.34	Yes	$51.32	$23.98
525	6-Jun-13	22	9	$27.77	Yes	$51.32	$23.55
526	6-Jun-13	22	10	$23.62	Yes	$51.32	$27.70
527	6-Jun-13	22	11	$23.59	Yes	$51.32	$27.73
528	6-Jun-13	22	12	$2.34	Yes	$51.32	$48.98
529	6-Jun-13	23	1	$23.94	Yes	$51.32	$27.38
530	6-Jun-13	23	2	$25.68	Yes	$51.32	$25.64

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
531	6-Jun-13	23	3	$26.41	Yes	$51.32	$24.91
532	6-Jun-13	23	4	$29.80	Yes	$51.32	$21.52
533	6-Jun-13	23	5	$23.97	Yes	$51.32	$27.35
534	6-Jun-13	23	6	$25.44	Yes	$51.32	$25.88
535	6-Jun-13	23	7	$23.69	Yes	$51.32	$27.63
536	6-Jun-13	23	8	$20.42	Yes	$51.32	$30.90
537	6-Jun-13	23	9	$16.23	Yes	$51.32	$35.09
538	6-Jun-13	23	10	$15.40	Yes	$51.32	$35.92
539	6-Jun-13	23	11	$15.40	Yes	$51.32	$35.92
540	6-Jun-13	23	12	$5.90	Yes	$51.32	$45.42
541	6-Jun-13	24	1	$20.40	Yes	$51.32	$30.92
542	6-Jun-13	24	2	$26.20	Yes	$51.32	$25.12
543	6-Jun-13	24	3	$36.56	Yes	$51.32	$14.76
544	6-Jun-13	24	4	$34.38	Yes	$51.32	$16.94
545	6-Jun-13	24	5	$34.38	Yes	$51.32	$16.94
546	6-Jun-13	24	6	$32.77	Yes	$51.32	$18.55
547	6-Jun-13	24	7	($29.89)	Yes	$51.32	$81.21
548	6-Jun-13	24	8	($34.14)	Yes	$51.32	$85.46
549	6-Jun-13	24	9	($34.14)	Yes	$51.32	$85.46
550	6-Jun-13	24	10	($30.87)	Yes	$51.32	$82.19
551	6-Jun-13	24	11	($34.35)	Yes	$51.32	$85.67
552	6-Jun-13	24	12	($30.93)	Yes	$51.32	$82.25
553	7-Jun-13	1	1	$30.74	Yes	$50.82	$20.08
554	7-Jun-13	1	2	$25.45	Yes	$50.82	$25.37
555	7-Jun-13	1	3	$33.62	Yes	$50.82	$17.20
556	7-Jun-13	1	4	$29.05	Yes	$50.82	$21.77
557	7-Jun-13	1	5	$25.45	Yes	$50.82	$25.37
558	7-Jun-13	1	6	$21.32	Yes	$50.82	$29.50
559	7-Jun-13	1	7	$21.37	Yes	$50.82	$29.45
560	7-Jun-13	1	8	$15.39	Yes	$50.82	$35.43
561	7-Jun-13	1	9	$10.47	Yes	$50.82	$40.35
562	7-Jun-13	1	10	$0.01	Yes	$50.82	$50.81
563	7-Jun-13	1	11	$0.01	Yes	$50.82	$50.81
564	7-Jun-13	1	12	$10.48	Yes	$50.82	$40.34
565	7-Jun-13	2	1	$18.50	Yes	$50.82	$32.32
566	7-Jun-13	2	2	$21.07	Yes	$50.82	$29.75
567	7-Jun-13	2	3	$30.88	Yes	$50.82	$19.94
568	7-Jun-13	2	4	$30.64	Yes	$50.82	$20.18

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
569	7-Jun-13	2	5	$29.72	Yes	$50.82	$21.10
570	7-Jun-13	2	6	$25.44	Yes	$50.82	$25.38
571	7-Jun-13	2	7	$20.28	Yes	$50.82	$30.54
572	7-Jun-13	2	8	$14.77	Yes	$50.82	$36.05
573	7-Jun-13	2	9	$10.41	Yes	$50.82	$40.41
574	7-Jun-13	2	10	$10.26	Yes	$50.82	$40.56
575	7-Jun-13	2	11	$3.06	Yes	$50.82	$47.76
576	7-Jun-13	2	12	$11.36	Yes	$50.82	$39.46
577	7-Jun-13	3	1	$21.07	Yes	$50.82	$29.75
578	7-Jun-13	3	2	$29.50	Yes	$50.82	$21.32
579	7-Jun-13	3	3	$31.18	Yes	$50.82	$19.64
580	7-Jun-13	3	4	$30.45	Yes	$50.82	$20.37
581	7-Jun-13	3	5	$30.43	Yes	$50.82	$20.39
582	7-Jun-13	3	6	$30.43	Yes	$50.82	$20.39
583	7-Jun-13	3	7	$30.34	Yes	$50.82	$20.48
584	7-Jun-13	3	8	$29.61	Yes	$50.82	$21.21
585	7-Jun-13	3	9	$29.59	Yes	$50.82	$21.23
586	7-Jun-13	3	10	$25.43	Yes	$50.82	$25.39
587	7-Jun-13	3	11	$29.58	Yes	$50.82	$21.24
588	7-Jun-13	3	12	$26.64	Yes	$50.82	$24.18
589	7-Jun-13	4	1	$30.40	Yes	$50.82	$20.42
590	7-Jun-13	4	2	$30.40	Yes	$50.82	$20.42
591	7-Jun-13	4	3	$31.18	Yes	$50.82	$19.64
592	7-Jun-13	4	4	$28.99	Yes	$50.82	$21.83
593	7-Jun-13	4	5	$29.13	Yes	$50.82	$21.69
594	7-Jun-13	4	6	$29.20	Yes	$50.82	$21.62
595	7-Jun-13	4	7	$28.73	Yes	$50.82	$22.09
596	7-Jun-13	4	8	$28.24	Yes	$50.82	$22.58
597	7-Jun-13	4	9	$25.19	Yes	$50.82	$25.63
598	7-Jun-13	4	10	$28.76	Yes	$50.82	$22.06
599	7-Jun-13	4	11	$25.23	Yes	$50.82	$25.59
600	7-Jun-13	4	12	($29.96)	Yes	$50.82	$80.78
601	7-Jun-13	5	1	($30.47)	Yes	$50.82	$81.29
602	7-Jun-13	5	2	($34.21)	Yes	$50.82	$85.03
603	7-Jun-13	5	3	($34.21)	Yes	$50.82	$85.03
604	7-Jun-13	5	4	($34.12)	Yes	$50.82	$84.94
605	7-Jun-13	5	5	($34.12)	Yes	$50.82	$84.94
606	7-Jun-13	5	6	($34.12)	Yes	$50.82	$84.94

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
607	7-Jun-13	5	7	($31.73)	Yes	$50.82	$82.55
608	7-Jun-13	5	8	($29.98)	Yes	$50.82	$80.80
609	7-Jun-13	5	9	$0.01	Yes	$50.82	$50.81
610	7-Jun-13	5	10	$11.78	Yes	$50.82	$39.04
611	7-Jun-13	5	11	$15.39	Yes	$50.82	$35.43
612	7-Jun-13	5	12	$0.01	Yes	$50.82	$50.81
613	7-Jun-13	6	1	$15.38	Yes	$50.82	$35.44
614	7-Jun-13	6	2	$10.17	Yes	$50.82	$40.65
615	7-Jun-13	6	3	$3.36	Yes	$50.82	$47.46
616	7-Jun-13	6	4	$20.42	Yes	$50.82	$30.40
617	7-Jun-13	6	5	$25.35	Yes	$50.82	$25.47
618	7-Jun-13	6	6	$29.30	Yes	$50.82	$21.52
619	7-Jun-13	6	7	$30.28	Yes	$50.82	$20.54
620	7-Jun-13	6	8	$29.69	Yes	$50.82	$21.13
621	7-Jun-13	6	9	$29.68	Yes	$50.82	$21.14
622	7-Jun-13	6	10	$30.44	Yes	$50.82	$20.38
623	7-Jun-13	6	11	$32.89	Yes	$50.82	$17.93
624	7-Jun-13	6	12	$36.19	Yes	$50.82	$14.63
625	7-Jun-13	7	1	$32.77	Yes	$50.82	$18.05
626	7-Jun-13	7	2	$31.89	Yes	$50.82	$18.93
627	7-Jun-13	7	3	$35.68	Yes	$50.82	$15.14
628	7-Jun-13	7	4	$31.41	Yes	$50.82	$19.41
629	7-Jun-13	7	5	$32.80	Yes	$50.82	$18.02
630	7-Jun-13	7	6	$33.72	Yes	$50.82	$17.10
631	7-Jun-13	7	7	$33.17	Yes	$50.82	$17.65
632	7-Jun-13	7	8	$33.76	Yes	$50.82	$17.06
633	7-Jun-13	7	9	$33.76	Yes	$50.82	$17.06
634	7-Jun-13	7	10	$43.17	Yes	$50.82	$7.65
635	7-Jun-13	7	11	$43.75	Yes	$50.82	$7.07
636	7-Jun-13	7	12	$35.72	Yes	$50.82	$15.10
637	7-Jun-13	8	1	$31.80	Yes	$50.82	$19.02
638	7-Jun-13	8	2	$32.91	Yes	$50.82	$17.91
639	7-Jun-13	8	3	$33.95	Yes	$50.82	$16.87
640	7-Jun-13	8	4	$34.59	Yes	$50.82	$16.23
641	7-Jun-13	8	5	$34.69	Yes	$50.82	$16.13
642	7-Jun-13	8	6	$34.69	Yes	$50.82	$16.13
643	7-Jun-13	8	7	$34.53	Yes	$50.82	$16.29
644	7-Jun-13	8	8	$34.53	Yes	$50.82	$16.29

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
645	7-Jun-13	8	9	$35.38	Yes	$50.82	$15.44
646	7-Jun-13	8	10	$36.01	Yes	$50.82	$14.81
647	7-Jun-13	8	11	$34.90	Yes	$50.82	$15.92
648	7-Jun-13	8	12	$34.90	Yes	$50.82	$15.92
649	7-Jun-13	9	1	$33.44	Yes	$50.82	$17.38
650	7-Jun-13	9	2	$33.44	Yes	$50.82	$17.38
651	7-Jun-13	9	3	$25.47	Yes	$50.82	$25.35
652	7-Jun-13	9	4	$32.21	Yes	$50.82	$18.61
653	7-Jun-13	9	5	$33.81	Yes	$50.82	$17.01
654	7-Jun-13	9	6	$33.47	Yes	$50.82	$17.35
655	7-Jun-13	9	7	$33.95	Yes	$50.82	$16.87
656	7-Jun-13	9	8	$33.59	Yes	$50.82	$17.23
657	7-Jun-13	9	9	$33.95	Yes	$50.82	$16.87
658	7-Jun-13	9	10	$33.99	Yes	$50.82	$16.83
659	7-Jun-13	9	11	$34.81	Yes	$50.82	$16.01
660	7-Jun-13	9	12	$34.81	Yes	$50.82	$16.01
661	7-Jun-13	10	1	$31.78	Yes	$50.82	$19.04
662	7-Jun-13	10	2	$31.03	Yes	$50.82	$19.79
663	7-Jun-13	10	3	$31.73	Yes	$50.82	$19.09
664	7-Jun-13	10	4	$32.72	Yes	$50.82	$18.10
665	7-Jun-13	10	5	$31.82	Yes	$50.82	$19.00
666	7-Jun-13	10	6	$31.82	Yes	$50.82	$19.00
667	7-Jun-13	10	7	$31.85	Yes	$50.82	$18.97
668	7-Jun-13	10	8	$31.85	Yes	$50.82	$18.97
669	7-Jun-13	10	9	$31.85	Yes	$50.82	$18.97
670	7-Jun-13	10	10	$31.85	Yes	$50.82	$18.97
671	7-Jun-13	10	11	$32.65	Yes	$50.82	$18.17
672	7-Jun-13	10	12	$29.49	Yes	$50.82	$21.33
673	7-Jun-13	11	1	$31.21	Yes	$50.82	$19.61
674	7-Jun-13	11	2	$31.41	Yes	$50.82	$19.41
675	7-Jun-13	11	3	$31.30	Yes	$50.82	$19.52
676	7-Jun-13	11	4	$31.59	Yes	$50.82	$19.23
677	7-Jun-13	11	5	$31.59	Yes	$50.82	$19.23
678	7-Jun-13	11	6	$32.41	Yes	$50.82	$18.41
679	7-Jun-13	11	7	$31.79	Yes	$50.82	$19.03
680	7-Jun-13	11	8	$31.84	Yes	$50.82	$18.98
681	7-Jun-13	11	9	$32.53	Yes	$50.82	$18.29
682	7-Jun-13	11	10	$31.81	Yes	$50.82	$19.01

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
683	7-Jun-13	11	11	$31.80	Yes	$50.82	$19.02
684	7-Jun-13	11	12	$31.19	Yes	$50.82	$19.63
685	7-Jun-13	12	1	$31.80	Yes	$50.82	$19.02
686	7-Jun-13	12	2	$31.42	Yes	$50.82	$19.40
687	7-Jun-13	12	3	$31.83	Yes	$50.82	$18.99
688	7-Jun-13	12	4	$31.13	Yes	$50.82	$19.69
689	7-Jun-13	12	5	$31.13	Yes	$50.82	$19.69
690	7-Jun-13	12	6	$31.13	Yes	$50.82	$19.69
691	7-Jun-13	12	7	$31.13	Yes	$50.82	$19.69
692	7-Jun-13	12	8	$32.49	Yes	$50.82	$18.33
693	7-Jun-13	12	9	$33.55	Yes	$50.82	$17.27
694	7-Jun-13	12	10	$32.83	Yes	$50.82	$17.99
695	7-Jun-13	12	11	$31.31	Yes	$50.82	$19.51
696	7-Jun-13	12	12	$32.83	Yes	$50.82	$17.99
697	7-Jun-13	13	1	$21.81	Yes	$50.82	$29.01
698	7-Jun-13	13	2	$24.51	Yes	$50.82	$26.31
699	7-Jun-13	13	3	$26.46	Yes	$50.82	$24.36
700	7-Jun-13	13	4	$25.61	Yes	$50.82	$25.21
701	7-Jun-13	13	5	$28.81	Yes	$50.82	$22.01
702	7-Jun-13	13	6	$29.85	Yes	$50.82	$20.97
703	7-Jun-13	13	7	$28.85	Yes	$50.82	$21.97
704	7-Jun-13	13	8	$28.59	Yes	$50.82	$22.23
705	7-Jun-13	13	9	$29.94	Yes	$50.82	$20.88
706	7-Jun-13	13	10	$31.35	Yes	$50.82	$19.47
707	7-Jun-13	13	11	$31.78	Yes	$50.82	$19.04
708	7-Jun-13	13	12	$32.61	Yes	$50.82	$18.21
709	7-Jun-13	14	1	$28.25	Yes	$50.82	$22.57
710	7-Jun-13	14	2	$31.52	Yes	$50.82	$19.30
711	7-Jun-13	14	3	$31.14	Yes	$50.82	$19.68
712	7-Jun-13	14	4	$32.28	Yes	$50.82	$18.54
713	7-Jun-13	14	5	$32.34	Yes	$50.82	$18.48
714	7-Jun-13	14	6	$32.30	Yes	$50.82	$18.52
715	7-Jun-13	14	7	$14.00	Yes	$50.82	$36.82
716	7-Jun-13	14	8	$36.40	Yes	$50.82	$14.42
717	7-Jun-13	14	9	$36.08	Yes	$50.82	$14.74
718	7-Jun-13	14	10	$36.33	Yes	$50.82	$14.49
719	7-Jun-13	14	11	$36.61	Yes	$50.82	$14.21
720	7-Jun-13	14	12	$36.72	Yes	$50.82	$14.10

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
721	7-Jun-13	15	1	$27.14	Yes	$50.82	$23.68
722	7-Jun-13	15	2	$28.03	Yes	$50.82	$22.79
723	7-Jun-13	15	3	$28.03	Yes	$50.82	$22.79
724	7-Jun-13	15	4	$35.59	Yes	$50.82	$15.23
725	7-Jun-13	15	5	$36.14	Yes	$50.82	$14.68
726	7-Jun-13	15	6	$36.21	Yes	$50.82	$14.61
727	7-Jun-13	15	7	$36.89	Yes	$50.82	$13.93
728	7-Jun-13	15	8	$37.71	Yes	$50.82	$13.11
729	7-Jun-13	15	9	$38.30	Yes	$50.82	$12.52
730	7-Jun-13	15	10	$38.66	Yes	$50.82	$12.16
731	7-Jun-13	15	11	$38.11	Yes	$50.82	$12.71
732	7-Jun-13	15	12	$39.08	Yes	$50.82	$11.74
733	7-Jun-13	16	1	$36.29	Yes	$50.82	$14.53
734	7-Jun-13	16	2	$36.14	Yes	$50.82	$14.68
735	7-Jun-13	16	3	$36.24	Yes	$50.82	$14.58
736	7-Jun-13	16	4	$37.05	Yes	$50.82	$13.77
737	7-Jun-13	16	5	$37.33	Yes	$50.82	$13.49
738	7-Jun-13	16	6	$37.61	Yes	$50.82	$13.21
739	7-Jun-13	16	7	$37.81	Yes	$50.82	$13.01
740	7-Jun-13	16	8	$38.49	Yes	$50.82	$12.33
741	7-Jun-13	16	9	$40.64	Yes	$50.82	$10.18
742	7-Jun-13	16	10	$44.15	Yes	$50.82	$6.67
743	7-Jun-13	16	11	$42.82	Yes	$50.82	$8.00
744	7-Jun-13	16	12	$42.88	Yes	$50.82	$7.94
745	7-Jun-13	17	1	$45.97	Yes	$50.82	$4.85
746	7-Jun-13	17	2	$43.93	Yes	$50.82	$6.89
747	7-Jun-13	17	3	$47.69	Yes	$50.82	$3.13
748	7-Jun-13	17	4	$49.64	Yes	$50.82	$1.18
749	7-Jun-13	17	5	$50.04	Yes	$50.82	$0.78
750	7-Jun-13	17	6	$50.08	Yes	$50.82	$0.74
751	7-Jun-13	17	7	$50.95	Yes	$50.82	($0.13)
752	7-Jun-13	17	8	$50.80	Yes	$50.82	$0.02
753	7-Jun-13	17	9	$50.10	Yes	$50.82	$0.72
754	7-Jun-13	17	10	$50.10	Yes	$50.82	$0.72
755	7-Jun-13	17	11	$49.69	Yes	$50.82	$1.13
756	7-Jun-13	17	12	$49.69	Yes	$50.82	$1.13
757	7-Jun-13	18	1	$50.49	Yes	$50.82	$0.33
758	7-Jun-13	18	2	$51.49	Yes	$50.82	($0.67)

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
759	7-Jun-13	18	3	$51.13	Yes	$50.82	($0.31)
760	7-Jun-13	18	4	$52.01	Yes	$50.82	($1.19)
761	7-Jun-13	18	5	$44.26	Yes	$50.82	$6.56
762	7-Jun-13	18	6	$43.90	Yes	$50.82	$6.92
763	7-Jun-13	18	7	$47.48	Yes	$50.82	$3.34
764	7-Jun-13	18	8	$46.89	Yes	$50.82	$3.93
765	7-Jun-13	18	9	$46.39	Yes	$50.82	$4.43
766	7-Jun-13	18	10	$44.05	Yes	$50.82	$6.77
767	7-Jun-13	18	11	$44.05	Yes	$50.82	$6.77
768	7-Jun-13	18	12	$41.80	Yes	$50.82	$9.02
769	7-Jun-13	19	1	$45.65	Yes	$50.82	$5.17
770	7-Jun-13	19	2	$37.44	Yes	$50.82	$13.38
771	7-Jun-13	19	3	$44.58	Yes	$50.82	$6.24
772	7-Jun-13	19	4	$45.99	Yes	$50.82	$4.83
773	7-Jun-13	19	5	$45.89	Yes	$50.82	$4.93
774	7-Jun-13	19	6	$47.35	Yes	$50.82	$3.47
775	7-Jun-13	19	7	$53.14	Yes	$50.82	($2.32)
776	7-Jun-13	19	8	$53.14	Yes	$50.82	($2.32)
777	7-Jun-13	19	9	$48.74	Yes	$50.82	$2.08
778	7-Jun-13	19	10	$50.39	Yes	$50.82	$0.43
779	7-Jun-13	19	11	$47.86	Yes	$50.82	$2.96
780	7-Jun-13	19	12	$46.92	Yes	$50.82	$3.90
781	7-Jun-13	20	1	$49.72	Yes	$50.82	$1.10
782	7-Jun-13	20	2	$39.64	Yes	$50.82	$11.18
783	7-Jun-13	20	3	$40.40	Yes	$50.82	$10.42
784	7-Jun-13	20	4	$39.97	Yes	$50.82	$10.85
785	7-Jun-13	20	5	$41.90	Yes	$50.82	$8.92
786	7-Jun-13	20	6	$41.90	Yes	$50.82	$8.92
787	7-Jun-13	20	7	$38.76	Yes	$50.82	$12.06
788	7-Jun-13	20	8	$44.36	Yes	$50.82	$6.46
789	7-Jun-13	20	9	$40.12	Yes	$50.82	$10.70
790	7-Jun-13	20	10	$37.61	Yes	$50.82	$13.21
791	7-Jun-13	20	11	$37.61	Yes	$50.82	$13.21
792	7-Jun-13	20	12	$36.30	Yes	$50.82	$14.52
793	7-Jun-13	21	1	$37.63	Yes	$50.82	$13.19
794	7-Jun-13	21	2	$41.26	Yes	$50.82	$9.56
795	7-Jun-13	21	3	$38.80	Yes	$50.82	$12.02
796	7-Jun-13	21	4	$44.13	Yes	$50.82	$6.69

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
797	7-Jun-13	21	5	$45.36	Yes	$50.82	$5.46
798	7-Jun-13	21	6	$44.31	Yes	$50.82	$6.51
799	7-Jun-13	21	7	$44.35	Yes	$50.82	$6.47
800	7-Jun-13	21	8	$44.01	Yes	$50.82	$6.81
801	7-Jun-13	21	9	$44.01	Yes	$50.82	$6.81
802	7-Jun-13	21	10	$44.17	Yes	$50.82	$6.65
803	7-Jun-13	21	11	$43.67	Yes	$50.82	$7.15
804	7-Jun-13	21	12	$37.53	Yes	$50.82	$13.29
805	7-Jun-13	22	1	$46.43	Yes	$50.82	$4.39
806	7-Jun-13	22	2	$47.09	Yes	$50.82	$3.73
807	7-Jun-13	22	3	$48.78	Yes	$50.82	$2.04
808	7-Jun-13	22	4	$48.37	Yes	$50.82	$2.45
809	7-Jun-13	22	5	$47.29	Yes	$50.82	$3.53
810	7-Jun-13	22	6	$45.76	Yes	$50.82	$5.06
811	7-Jun-13	22	7	$45.43	Yes	$50.82	$5.39
812	7-Jun-13	22	8	$45.20	Yes	$50.82	$5.62
813	7-Jun-13	22	9	$45.21	Yes	$50.82	$5.61
814	7-Jun-13	22	10	$43.52	Yes	$50.82	$7.30
815	7-Jun-13	22	11	$40.91	Yes	$50.82	$9.91
816	7-Jun-13	22	12	$35.52	Yes	$50.82	$15.30
817	7-Jun-13	23	1	$41.02	Yes	$50.82	$9.80
818	7-Jun-13	23	2	$36.46	Yes	$50.82	$14.36
819	7-Jun-13	23	3	$36.22	Yes	$50.82	$14.60
820	7-Jun-13	23	4	$36.33	Yes	$50.82	$14.49
821	7-Jun-13	23	5	$37.69	Yes	$50.82	$13.13
822	7-Jun-13	23	6	$37.88	Yes	$50.82	$12.94
823	7-Jun-13	23	7	$36.26	Yes	$50.82	$14.56
824	7-Jun-13	23	8	$35.50	Yes	$50.82	$15.32
825	7-Jun-13	23	9	$35.01	Yes	$50.82	$15.81
826	7-Jun-13	23	10	$34.56	Yes	$50.82	$16.26
827	7-Jun-13	23	11	$34.07	Yes	$50.82	$16.75
828	7-Jun-13	23	12	$31.67	Yes	$50.82	$19.15
829	7-Jun-13	24	1	$34.92	Yes	$50.82	$15.90
830	7-Jun-13	24	2	$35.18	Yes	$50.82	$15.64
831	7-Jun-13	24	3	$35.17	Yes	$50.82	$15.65
832	7-Jun-13	24	4	$35.04	Yes	$50.82	$15.78
833	7-Jun-13	24	5	$34.78	Yes	$50.82	$16.04
834	7-Jun-13	24	6	$34.78	Yes	$50.82	$16.04

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
835	7-Jun-13	24	7	$34.19	Yes	$50.82	$16.63
836	7-Jun-13	24	8	$32.28	Yes	$50.82	$18.54
837	7-Jun-13	24	9	$31.57	Yes	$50.82	$19.25
838	7-Jun-13	24	10	$31.18	Yes	$50.82	$19.64
839	7-Jun-13	24	11	$30.50	Yes	$50.82	$20.32
840	7-Jun-13	24	12	$16.82	Yes	$50.82	$34.00
841	8-Jun-13	1	1	$16.82	Yes	$49.65	$32.83
842	8-Jun-13	1	2	$31.38	Yes	$49.65	$18.27
843	8-Jun-13	1	3	$37.99	Yes	$49.65	$11.66
844	8-Jun-13	1	4	$37.46	Yes	$49.65	$12.19
845	8-Jun-13	1	5	$37.73	Yes	$49.65	$11.92
846	8-Jun-13	1	6	$37.73	Yes	$49.65	$11.92
847	8-Jun-13	1	7	$40.54	Yes	$49.65	$9.11
848	8-Jun-13	1	8	$40.46	Yes	$49.65	$9.19
849	8-Jun-13	1	9	$40.46	Yes	$49.65	$9.19
850	8-Jun-13	1	10	$34.60	Yes	$49.65	$15.05
851	8-Jun-13	1	11	$35.48	Yes	$49.65	$14.17
852	8-Jun-13	1	12	$32.44	Yes	$49.65	$17.21
853	8-Jun-13	2	1	$32.95	Yes	$49.65	$16.70
854	8-Jun-13	2	2	$36.82	Yes	$49.65	$12.83
855	8-Jun-13	2	3	$38.77	Yes	$49.65	$10.88
856	8-Jun-13	2	4	$38.20	Yes	$49.65	$11.45
857	8-Jun-13	2	5	$38.20	Yes	$49.65	$11.45
858	8-Jun-13	2	6	$37.38	Yes	$49.65	$12.27
859	8-Jun-13	2	7	$34.20	Yes	$49.65	$15.45
860	8-Jun-13	2	8	$35.97	Yes	$49.65	$13.68
861	8-Jun-13	2	9	$35.10	Yes	$49.65	$14.55
862	8-Jun-13	2	10	$34.88	Yes	$49.65	$14.77
863	8-Jun-13	2	11	$33.15	Yes	$49.65	$16.50
864	8-Jun-13	2	12	$33.20	Yes	$49.65	$16.45
865	8-Jun-13	3	1	$31.67	Yes	$49.65	$17.98
866	8-Jun-13	3	2	$31.67	Yes	$49.65	$17.98
867	8-Jun-13	3	3	$32.10	Yes	$49.65	$17.55
868	8-Jun-13	3	4	$16.96	Yes	$49.65	$32.69
869	8-Jun-13	3	5	$17.90	Yes	$49.65	$31.75
870	8-Jun-13	3	6	$20.39	Yes	$49.65	$29.26
871	8-Jun-13	3	7	$26.26	Yes	$49.65	$23.39
872	8-Jun-13	3	8	$26.15	Yes	$49.65	$23.50

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
873	8-Jun-13	3	9	$25.94	Yes	$49.65	$23.71
874	8-Jun-13	3	10	$24.35	Yes	$49.65	$25.30
875	8-Jun-13	3	11	$24.35	Yes	$49.65	$25.30
876	8-Jun-13	3	12	$23.41	Yes	$49.65	$26.24
877	8-Jun-13	4	1	$23.55	Yes	$49.65	$26.10
878	8-Jun-13	4	2	$30.61	Yes	$49.65	$19.04
879	8-Jun-13	4	3	$30.74	Yes	$49.65	$18.91
880	8-Jun-13	4	4	$30.02	Yes	$49.65	$19.63
881	8-Jun-13	4	5	$25.90	Yes	$49.65	$23.75
882	8-Jun-13	4	6	$25.90	Yes	$49.65	$23.75
883	8-Jun-13	4	7	$25.33	Yes	$49.65	$24.32
884	8-Jun-13	4	8	$21.01	Yes	$49.65	$28.64
885	8-Jun-13	4	9	$20.43	Yes	$49.65	$29.22
886	8-Jun-13	4	10	$15.50	Yes	$49.65	$34.15
887	8-Jun-13	4	11	$15.50	Yes	$49.65	$34.15
888	8-Jun-13	4	12	$10.15	Yes	$49.65	$39.50
889	8-Jun-13	5	1	$20.43	Yes	$49.65	$29.22
890	8-Jun-13	5	2	$20.45	Yes	$49.65	$29.20
891	8-Jun-13	5	3	$15.50	Yes	$49.65	$34.15
892	8-Jun-13	5	4	$25.85	Yes	$49.65	$23.80
893	8-Jun-13	5	5	$20.97	Yes	$49.65	$28.68
894	8-Jun-13	5	6	$25.85	Yes	$49.65	$23.80
895	8-Jun-13	5	7	$25.84	Yes	$49.65	$23.81
896	8-Jun-13	5	8	$25.89	Yes	$49.65	$23.76
897	8-Jun-13	5	9	$25.45	Yes	$49.65	$24.20
898	8-Jun-13	5	10	$25.84	Yes	$49.65	$23.81
899	8-Jun-13	5	11	$25.44	Yes	$49.65	$24.21
900	8-Jun-13	5	12	$25.44	Yes	$49.65	$24.21
901	8-Jun-13	6	1	$20.44	Yes	$49.65	$29.21
902	8-Jun-13	6	2	$20.44	Yes	$49.65	$29.21
903	8-Jun-13	6	3	$20.82	Yes	$49.65	$28.83
904	8-Jun-13	6	4	$25.45	Yes	$49.65	$24.20
905	8-Jun-13	6	5	$28.99	Yes	$49.65	$20.66
906	8-Jun-13	6	6	$28.99	Yes	$49.65	$20.66
907	8-Jun-13	6	7	$30.09	Yes	$49.65	$19.56
908	8-Jun-13	6	8	$30.45	Yes	$49.65	$19.20
909	8-Jun-13	6	9	$30.73	Yes	$49.65	$18.92
910	8-Jun-13	6	10	$30.63	Yes	$49.65	$19.02

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
911	8-Jun-13	6	11	$30.94	Yes	$49.65	$18.71
912	8-Jun-13	6	12	$31.04	Yes	$49.65	$18.61
913	8-Jun-13	7	1	$31.06	Yes	$49.65	$18.59
914	8-Jun-13	7	2	$32.91	Yes	$49.65	$16.74
915	8-Jun-13	7	3	$31.08	Yes	$49.65	$18.57
916	8-Jun-13	7	4	$33.08	Yes	$49.65	$16.57
917	8-Jun-13	7	5	$33.18	Yes	$49.65	$16.47
918	8-Jun-13	7	6	$33.18	Yes	$49.65	$16.47
919	8-Jun-13	7	7	$33.74	Yes	$49.65	$15.91
920	8-Jun-13	7	8	$36.33	Yes	$49.65	$13.32
921	8-Jun-13	7	9	$36.76	Yes	$49.65	$12.89
922	8-Jun-13	7	10	$38.14	Yes	$49.65	$11.51
923	8-Jun-13	7	11	$38.14	Yes	$49.65	$11.51
924	8-Jun-13	7	12	$38.14	Yes	$49.65	$11.51
925	8-Jun-13	8	1	$31.13	Yes	$49.65	$18.52
926	8-Jun-13	8	2	$30.98	Yes	$49.65	$18.67
927	8-Jun-13	8	3	$30.32	Yes	$49.65	$19.33
928	8-Jun-13	8	4	$28.22	Yes	$49.65	$21.43
929	8-Jun-13	8	5	$31.11	Yes	$49.65	$18.54
930	8-Jun-13	8	6	$31.48	Yes	$49.65	$18.17
931	8-Jun-13	8	7	$32.12	Yes	$49.65	$17.53
932	8-Jun-13	8	8	$34.38	Yes	$49.65	$15.27
933	8-Jun-13	8	9	$35.02	Yes	$49.65	$14.63
934	8-Jun-13	8	10	$34.62	Yes	$49.65	$15.03
935	8-Jun-13	8	11	$37.46	Yes	$49.65	$12.19
936	8-Jun-13	8	12	$37.54	Yes	$49.65	$12.11
937	8-Jun-13	9	1	$33.58	Yes	$49.65	$16.07
938	8-Jun-13	9	2	$33.92	Yes	$49.65	$15.73
939	8-Jun-13	9	3	$34.44	Yes	$49.65	$15.21
940	8-Jun-13	9	4	$36.47	Yes	$49.65	$13.18
941	8-Jun-13	9	5	$40.66	Yes	$49.65	$8.99
942	8-Jun-13	9	6	$42.03	Yes	$49.65	$7.62
943	8-Jun-13	9	7	$38.76	Yes	$49.65	$10.89
944	8-Jun-13	9	8	$38.76	Yes	$49.65	$10.89
945	8-Jun-13	9	9	$43.65	Yes	$49.65	$6.00
946	8-Jun-13	9	10	$38.68	Yes	$49.65	$10.97
947	8-Jun-13	9	11	$39.91	Yes	$49.65	$9.74
948	8-Jun-13	9	12	$38.68	Yes	$49.65	$10.97

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
949	8-Jun-13	10	1	$36.22	Yes	$49.65	$13.43
950	8-Jun-13	10	2	$34.74	Yes	$49.65	$14.91
951	8-Jun-13	10	3	$34.24	Yes	$49.65	$15.41
952	8-Jun-13	10	4	$34.72	Yes	$49.65	$14.93
953	8-Jun-13	10	5	$36.28	Yes	$49.65	$13.37
954	8-Jun-13	10	6	$36.28	Yes	$49.65	$13.37
955	8-Jun-13	10	7	$44.30	Yes	$49.65	$5.35
956	8-Jun-13	10	8	$44.30	Yes	$49.65	$5.35
957	8-Jun-13	10	9	$40.64	Yes	$49.65	$9.01
958	8-Jun-13	10	10	$60.07	Yes	$49.65	($10.42)
959	8-Jun-13	10	11	$45.75	Yes	$49.65	$3.90
960	8-Jun-13	10	12	$62.42	Yes	$49.65	($12.77)
961	8-Jun-13	11	1	$44.16	Yes	$49.65	$5.49
962	8-Jun-13	11	2	$44.16	Yes	$49.65	$5.49
963	8-Jun-13	11	3	$36.54	Yes	$49.65	$13.11
964	8-Jun-13	11	4	$36.57	Yes	$49.65	$13.08
965	8-Jun-13	11	5	$36.57	Yes	$49.65	$13.08
966	8-Jun-13	11	6	$36.57	Yes	$49.65	$13.08
967	8-Jun-13	11	7	$36.51	Yes	$49.65	$13.14
968	8-Jun-13	11	8	$36.51	Yes	$49.65	$13.14
969	8-Jun-13	11	9	$43.39	Yes	$49.65	$6.26
970	8-Jun-13	11	10	$36.76	Yes	$49.65	$12.89
971	8-Jun-13	11	11	$36.58	Yes	$49.65	$13.07
972	8-Jun-13	11	12	$36.53	Yes	$49.65	$13.12
973	8-Jun-13	12	1	$34.90	Yes	$49.65	$14.75
974	8-Jun-13	12	2	$34.65	Yes	$49.65	$15.00
975	8-Jun-13	12	3	$34.15	Yes	$49.65	$15.50
976	8-Jun-13	12	4	$43.11	Yes	$49.65	$6.54
977	8-Jun-13	12	5	$45.86	Yes	$49.65	$3.79
978	8-Jun-13	12	6	$45.76	Yes	$49.65	$3.89
979	8-Jun-13	12	7	$46.24	Yes	$49.65	$3.41
980	8-Jun-13	12	8	$43.09	Yes	$49.65	$6.56
981	8-Jun-13	12	9	$44.83	Yes	$49.65	$4.82
982	8-Jun-13	12	10	$42.88	Yes	$49.65	$6.77
983	8-Jun-13	12	11	$49.71	Yes	$49.65	($0.06)
984	8-Jun-13	12	12	$47.61	Yes	$49.65	$2.04
985	8-Jun-13	13	1	$40.28	Yes	$49.65	$9.37
986	8-Jun-13	13	2	$39.50	Yes	$49.65	$10.15

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
987	8-Jun-13	13	3	$42.82	Yes	$49.65	$6.83
988	8-Jun-13	13	4	$40.10	Yes	$49.65	$9.55
989	8-Jun-13	13	5	$40.11	Yes	$49.65	$9.54
990	8-Jun-13	13	6	$40.39	Yes	$49.65	$9.26
991	8-Jun-13	13	7	$42.57	Yes	$49.65	$7.08
992	8-Jun-13	13	8	$42.56	Yes	$49.65	$7.09
993	8-Jun-13	13	9	$43.03	Yes	$49.65	$6.62
994	8-Jun-13	13	10	$46.00	Yes	$49.65	$3.65
995	8-Jun-13	13	11	$45.74	Yes	$49.65	$3.91
996	8-Jun-13	13	12	$44.81	Yes	$49.65	$4.84
997	8-Jun-13	14	1	$48.20	Yes	$49.65	$1.45
998	8-Jun-13	14	2	$40.76	Yes	$49.65	$8.89
999	8-Jun-13	14	3	$40.76	Yes	$49.65	$8.89
1000	8-Jun-13	14	4	$40.05	Yes	$49.65	$9.60
1001	8-Jun-13	14	5	$40.05	Yes	$49.65	$9.60
1002	8-Jun-13	14	6	$36.55	Yes	$49.65	$13.10
1003	8-Jun-13	14	7	$40.70	Yes	$49.65	$8.95
1004	8-Jun-13	14	8	$47.32	Yes	$49.65	$2.33
1005	8-Jun-13	14	9	$65.58	Yes	$49.65	($15.93)
1006	8-Jun-13	14	10	$48.85	Yes	$49.65	$0.80
1007	8-Jun-13	14	11	$49.95	Yes	$49.65	($0.30)
1008	8-Jun-13	14	12	$55.14	Yes	$49.65	($5.49)
1009	8-Jun-13	15	1	$46.40	Yes	$49.65	$3.25
1010	8-Jun-13	15	2	$47.41	Yes	$49.65	$2.24
1011	8-Jun-13	15	3	$48.74	Yes	$49.65	$0.91
1012	8-Jun-13	15	4	$40.44	Yes	$49.65	$9.21
1013	8-Jun-13	15	5	$42.41	Yes	$49.65	$7.24
1014	8-Jun-13	15	6	$43.08	Yes	$49.65	$6.57
1015	8-Jun-13	15	7	$53.65	Yes	$49.65	($4.00)
1016	8-Jun-13	15	8	$49.73	Yes	$49.65	($0.08)
1017	8-Jun-13	15	9	$49.26	Yes	$49.65	$0.39
1018	8-Jun-13	15	10	$50.36	Yes	$49.65	($0.71)
1019	8-Jun-13	15	11	$52.75	Yes	$49.65	($3.10)
1020	8-Jun-13	15	12	$51.25	Yes	$49.65	($1.60)
1021	8-Jun-13	16	1	$42.95	Yes	$49.65	$6.70
1022	8-Jun-13	16	2	$45.78	Yes	$49.65	$3.87
1023	8-Jun-13	16	3	$48.13	Yes	$49.65	$1.52
1024	8-Jun-13	16	4	$40.79	Yes	$49.65	$8.86

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1025	8-Jun-13	16	5	$44.81	Yes	$49.65	$4.84
1026	8-Jun-13	16	6	$44.98	Yes	$49.65	$4.67
1027	8-Jun-13	16	7	$40.50	Yes	$49.65	$9.15
1028	8-Jun-13	16	8	$40.86	Yes	$49.65	$8.79
1029	8-Jun-13	16	9	$41.89	Yes	$49.65	$7.76
1030	8-Jun-13	16	10	$42.13	Yes	$49.65	$7.52
1031	8-Jun-13	16	11	$40.97	Yes	$49.65	$8.68
1032	8-Jun-13	16	12	$36.02	Yes	$49.65	$13.63
1033	8-Jun-13	17	1	$31.36	Yes	$49.65	$18.29
1034	8-Jun-13	17	2	$27.83	Yes	$49.65	$21.82
1035	8-Jun-13	17	3	$24.57	Yes	$49.65	$25.08
1036	8-Jun-13	17	4	$24.69	Yes	$49.65	$24.96
1037	8-Jun-13	17	5	$24.69	Yes	$49.84	$25.15
1038	8-Jun-13	17	6	$38.16	Yes	$49.84	$11.68
1039	8-Jun-13	17	7	$33.97	Yes	$49.84	$15.87
1040	8-Jun-13	17	8	$39.54	Yes	$49.84	$10.30
1041	8-Jun-13	17	9	$28.97	Yes	$49.84	$20.87
1042	8-Jun-13	17	10	$28.94	Yes	$49.84	$20.90
1043	8-Jun-13	17	11	$36.75	Yes	$49.84	$13.09
1044	8-Jun-13	17	12	$49.45	Yes	$49.84	$0.39
1045	8-Jun-13	18	1	$39.16	Yes	$49.84	$10.68
1046	8-Jun-13	18	2	$53.58	Yes	$49.84	($3.74)
1047	8-Jun-13	18	3	$53.72	Yes	$49.84	($3.88)
1048	8-Jun-13	18	4	$43.76	Yes	$49.84	$6.08
1049	8-Jun-13	18	5	$38.83	Yes	$49.84	$11.01
1050	8-Jun-13	18	6	$44.29	Yes	$49.84	$5.55
1051	8-Jun-13	18	7	$34.63	Yes	$49.84	$15.21
1052	8-Jun-13	18	8	$34.02	Yes	$49.84	$15.82
1053	8-Jun-13	18	9	$32.27	Yes	$49.84	$17.57
1054	8-Jun-13	18	10	$32.29	Yes	$49.84	$17.55
1055	8-Jun-13	18	11	$28.72	Yes	$49.84	$21.12
1056	8-Jun-13	18	12	$26.69	Yes	$49.84	$23.15
1057	8-Jun-13	19	1	$20.26	Yes	$49.84	$29.58
1058	8-Jun-13	19	2	$28.77	Yes	$49.84	$21.07
1059	8-Jun-13	19	3	$37.81	Yes	$49.84	$12.03
1060	8-Jun-13	19	4	$37.76	Yes	$49.84	$12.08
1061	8-Jun-13	19	5	$33.54	Yes	$49.84	$16.30
1062	8-Jun-13	19	6	$29.37	Yes	$49.84	$20.47

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1063	8-Jun-13	19	7	$33.84	Yes	$49.84	$16.00
1064	8-Jun-13	19	8	$46.50	Yes	$49.84	$3.34
1065	8-Jun-13	19	9	$69.03	Yes	$49.84	($19.19)
1066	8-Jun-13	19	10	$33.64	Yes	$49.84	$16.20
1067	8-Jun-13	19	11	$39.51	Yes	$49.84	$10.33
1068	8-Jun-13	19	12	$31.47	Yes	$49.84	$18.37
1069	8-Jun-13	20	1	$25.49	Yes	$49.84	$24.35
1070	8-Jun-13	20	2	$22.68	Yes	$49.84	$27.16
1071	8-Jun-13	20	3	$25.49	Yes	$49.84	$24.35
1072	8-Jun-13	20	4	$25.44	Yes	$49.84	$24.40
1073	8-Jun-13	20	5	$33.94	Yes	$49.84	$15.90
1074	8-Jun-13	20	6	$32.43	Yes	$49.84	$17.41
1075	8-Jun-13	20	7	$32.70	Yes	$49.84	$17.14
1076	8-Jun-13	20	8	$32.70	Yes	$49.84	$17.14
1077	8-Jun-13	20	9	$32.64	Yes	$49.84	$17.20
1078	8-Jun-13	20	10	$32.66	Yes	$49.84	$17.18
1079	8-Jun-13	20	11	$34.61	Yes	$49.84	$15.23
1080	8-Jun-13	20	12	$32.60	Yes	$49.84	$17.24
1081	8-Jun-13	21	1	$35.16	Yes	$49.84	$14.68
1082	8-Jun-13	21	2	$35.28	Yes	$49.84	$14.56
1083	8-Jun-13	21	3	$39.24	Yes	$49.84	$10.60
1084	8-Jun-13	21	4	$42.28	Yes	$49.84	$7.56
1085	8-Jun-13	21	5	$42.28	Yes	$49.84	$7.56
1086	8-Jun-13	21	6	$43.88	Yes	$49.84	$5.96
1087	8-Jun-13	21	7	$43.65	Yes	$49.84	$6.19
1088	8-Jun-13	21	8	$41.80	Yes	$49.84	$8.04
1089	8-Jun-13	21	9	$38.35	Yes	$49.84	$11.49
1090	8-Jun-13	21	10	$34.89	Yes	$49.84	$14.95
1091	8-Jun-13	21	11	$34.63	Yes	$49.84	$15.21
1092	8-Jun-13	21	12	$34.28	Yes	$49.84	$15.56
1093	8-Jun-13	22	1	$43.65	Yes	$49.84	$6.19
1094	8-Jun-13	22	2	$44.98	Yes	$49.84	$4.86
1095	8-Jun-13	22	3	$45.67	Yes	$49.84	$4.17
1096	8-Jun-13	22	4	$44.69	Yes	$49.84	$5.15
1097	8-Jun-13	22	5	$44.91	Yes	$49.84	$4.93
1098	8-Jun-13	22	6	$43.35	Yes	$49.84	$6.49
1099	8-Jun-13	22	7	$35.99	Yes	$49.84	$13.85
1100	8-Jun-13	22	8	$34.64	Yes	$49.84	$15.20

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1101	8-Jun-13	22	9	$34.39	Yes	$49.84	$15.45
1102	8-Jun-13	22	10	$33.54	Yes	$49.84	$16.30
1103	8-Jun-13	22	11	$33.54	Yes	$49.84	$16.30
1104	8-Jun-13	22	12	$33.29	Yes	$49.84	$16.55
1105	8-Jun-13	23	1	$35.76	Yes	$49.84	$14.08
1106	8-Jun-13	23	2	$38.88	Yes	$49.84	$10.96
1107	8-Jun-13	23	3	$39.31	Yes	$49.84	$10.53
1108	8-Jun-13	23	4	$43.48	Yes	$49.84	$6.36
1109	8-Jun-13	23	5	$37.35	Yes	$49.84	$12.49
1110	8-Jun-13	23	6	$33.31	Yes	$49.84	$16.53
1111	8-Jun-13	23	7	$31.66	Yes	$49.84	$18.18
1112	8-Jun-13	23	8	$31.36	Yes	$49.84	$18.48
1113	8-Jun-13	23	9	$31.14	Yes	$49.84	$18.70
1114	8-Jun-13	23	10	$30.81	Yes	$49.84	$19.03
1115	8-Jun-13	23	11	$30.96	Yes	$49.84	$18.88
1116	8-Jun-13	23	12	$30.10	Yes	$49.84	$19.74
1117	8-Jun-13	24	1	$33.83	Yes	$49.84	$16.01
1118	8-Jun-13	24	2	$33.31	Yes	$49.84	$16.53
1119	8-Jun-13	24	3	$34.43	Yes	$49.84	$15.41
1120	8-Jun-13	24	4	$33.49	Yes	$49.84	$16.35
1121	8-Jun-13	24	5	$34.19	Yes	$49.84	$15.65
1122	8-Jun-13	24	6	$33.49	Yes	$49.84	$16.35
1123	8-Jun-13	24	7	$34.75	Yes	$49.84	$15.09
1124	8-Jun-13	24	8	$33.22	Yes	$49.84	$16.62
1125	8-Jun-13	24	9	$32.93	Yes	$49.84	$16.91
1126	8-Jun-13	24	10	$31.21	Yes	$49.84	$18.63
1127	8-Jun-13	24	11	$30.96	Yes	$49.84	$18.88
1128	8-Jun-13	24	12	$30.96	Yes	$49.84	$18.88
1129	9-Jun-13	1	1	$27.76	Yes	$49.74	$21.98
1130	9-Jun-13	1	2	$33.71	Yes	$49.74	$16.03
1131	9-Jun-13	1	3	$33.71	Yes	$49.74	$16.03
1132	9-Jun-13	1	4	$34.23	Yes	$49.74	$15.51
1133	9-Jun-13	1	5	$33.87	Yes	$49.74	$15.87
1134	9-Jun-13	1	6	$33.29	Yes	$49.74	$16.45
1135	9-Jun-13	1	7	$29.87	Yes	$49.74	$19.87
1136	9-Jun-13	1	8	$26.41	Yes	$49.74	$23.33
1137	9-Jun-13	1	9	$26.41	Yes	$49.74	$23.33
1138	9-Jun-13	1	10	$26.76	Yes	$49.74	$22.98

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1139	9-Jun-13	1	11	$26.76	Yes	$49.74	$22.98
1140	9-Jun-13	1	12	$27.51	Yes	$49.74	$22.23
1141	9-Jun-13	2	1	$33.18	Yes	$49.74	$16.56
1142	9-Jun-13	2	2	$33.18	Yes	$49.74	$16.56
1143	9-Jun-13	2	3	$33.32	Yes	$49.74	$16.42
1144	9-Jun-13	2	4	$24.61	Yes	$49.74	$25.13
1145	9-Jun-13	2	5	$25.16	Yes	$49.74	$24.58
1146	9-Jun-13	2	6	$24.78	Yes	$49.74	$24.96
1147	9-Jun-13	2	7	$22.80	Yes	$49.74	$26.94
1148	9-Jun-13	2	8	$22.40	Yes	$49.74	$27.34
1149	9-Jun-13	2	9	$22.40	Yes	$49.74	$27.34
1150	9-Jun-13	2	10	$22.36	Yes	$49.74	$27.38
1151	9-Jun-13	2	11	$21.57	Yes	$49.74	$28.17
1152	9-Jun-13	2	12	$22.18	Yes	$49.74	$27.56
1153	9-Jun-13	3	1	$25.47	Yes	$49.74	$24.27
1154	9-Jun-13	3	2	$33.09	Yes	$49.74	$16.65
1155	9-Jun-13	3	3	$33.36	Yes	$49.74	$16.38
1156	9-Jun-13	3	4	$32.44	Yes	$49.74	$17.30
1157	9-Jun-13	3	5	$31.02	Yes	$49.74	$18.72
1158	9-Jun-13	3	6	$31.02	Yes	$49.74	$18.72
1159	9-Jun-13	3	7	$0.20	Yes	$49.74	$49.54
1160	9-Jun-13	3	8	$10.13	Yes	$49.74	$39.61
1161	9-Jun-13	3	9	$23.16	Yes	$49.74	$26.58
1162	9-Jun-13	3	10	$23.18	Yes	$49.74	$26.56
1163	9-Jun-13	3	11	$20.84	Yes	$49.74	$28.90
1164	9-Jun-13	3	12	$18.84	Yes	$49.74	$30.90
1165	9-Jun-13	4	1	$19.46	Yes	$49.74	$30.28
1166	9-Jun-13	4	2	$20.64	Yes	$49.74	$29.10
1167	9-Jun-13	4	3	$21.49	Yes	$49.74	$28.25
1168	9-Jun-13	4	4	$19.47	Yes	$49.74	$30.27
1169	9-Jun-13	4	5	$22.59	Yes	$49.74	$27.15
1170	9-Jun-13	4	6	$24.47	Yes	$49.74	$25.27
1171	9-Jun-13	4	7	$12.29	Yes	$49.74	$37.45
1172	9-Jun-13	4	8	$15.37	Yes	$49.74	$34.37
1173	9-Jun-13	4	9	$17.82	Yes	$49.74	$31.92
1174	9-Jun-13	4	10	$18.01	Yes	$49.74	$31.73
1175	9-Jun-13	4	11	$18.01	Yes	$49.74	$31.73
1176	9-Jun-13	4	12	$16.89	Yes	$49.74	$32.85

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1177	9-Jun-13	5	1	$17.13	Yes	$49.74	$32.61
1178	9-Jun-13	5	2	$16.95	Yes	$49.74	$32.79
1179	9-Jun-13	5	3	$8.49	Yes	$49.74	$41.25
1180	9-Jun-13	5	4	$29.09	Yes	$49.74	$20.65
1181	9-Jun-13	5	5	$28.60	Yes	$49.74	$21.14
1182	9-Jun-13	5	6	$26.84	Yes	$49.74	$22.90
1183	9-Jun-13	5	7	$25.14	Yes	$49.74	$24.60
1184	9-Jun-13	5	8	$25.07	Yes	$49.74	$24.67
1185	9-Jun-13	5	9	$24.05	Yes	$49.74	$25.69
1186	9-Jun-13	5	10	$26.02	Yes	$49.74	$23.72
1187	9-Jun-13	5	11	$26.10	Yes	$49.74	$23.64
1188	9-Jun-13	5	12	$26.10	Yes	$49.74	$23.64
1189	9-Jun-13	6	1	$22.56	Yes	$49.74	$27.18
1190	9-Jun-13	6	2	$22.56	Yes	$49.74	$27.18
1191	9-Jun-13	6	3	$22.45	Yes	$49.74	$27.29
1192	9-Jun-13	6	4	$26.23	Yes	$49.74	$23.51
1193	9-Jun-13	6	5	$28.93	Yes	$49.74	$20.81
1194	9-Jun-13	6	6	$39.00	Yes	$49.74	$10.74
1195	9-Jun-13	6	7	$28.48	Yes	$49.74	$21.26
1196	9-Jun-13	6	8	$26.31	Yes	$49.74	$23.43
1197	9-Jun-13	6	9	$26.31	Yes	$49.74	$23.43
1198	9-Jun-13	6	10	$35.11	Yes	$49.74	$14.63
1199	9-Jun-13	6	11	$31.14	Yes	$49.74	$18.60
1200	9-Jun-13	6	12	$29.73	Yes	$49.74	$20.01
1201	9-Jun-13	7	1	$22.12	Yes	$49.74	$27.62
1202	9-Jun-13	7	2	$19.98	Yes	$49.74	$29.76
1203	9-Jun-13	7	3	$22.12	Yes	$49.74	$27.62
1204	9-Jun-13	7	4	$17.27	Yes	$49.74	$32.47
1205	9-Jun-13	7	5	$17.27	Yes	$49.74	$32.47
1206	9-Jun-13	7	6	$17.27	Yes	$49.74	$32.47
1207	9-Jun-13	7	7	$17.28	Yes	$49.74	$32.46
1208	9-Jun-13	7	8	$19.61	Yes	$49.74	$30.13
1209	9-Jun-13	7	9	$21.61	Yes	$49.74	$28.13
1210	9-Jun-13	7	10	$22.29	Yes	$49.74	$27.45
1211	9-Jun-13	7	11	$22.29	Yes	$49.74	$27.45
1212	9-Jun-13	7	12	$23.23	Yes	$49.74	$26.51
1213	9-Jun-13	8	1	$10.64	Yes	$49.74	$39.10
1214	9-Jun-13	8	2	$10.64	Yes	$49.74	$39.10

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1215	9-Jun-13	8	3	$10.68	Yes	$49.74	$39.06
1216	9-Jun-13	8	4	$10.67	Yes	$49.74	$39.07
1217	9-Jun-13	8	5	$15.65	Yes	$49.74	$34.09
1218	9-Jun-13	8	6	$21.28	Yes	$49.74	$28.46
1219	9-Jun-13	8	7	$24.22	Yes	$49.74	$25.52
1220	9-Jun-13	8	8	$24.22	Yes	$49.74	$25.52
1221	9-Jun-13	8	9	$24.22	Yes	$49.74	$25.52
1222	9-Jun-13	8	10	$26.03	Yes	$49.74	$23.71
1223	9-Jun-13	8	11	$10.63	Yes	$49.74	$39.11
1224	9-Jun-13	8	12	$10.63	Yes	$49.74	$39.11
1225	9-Jun-13	9	1	($31.43)	Yes	$49.74	$81.17
1226	9-Jun-13	9	2	($31.39)	Yes	$49.74	$81.13
1227	9-Jun-13	9	3	($31.43)	Yes	$49.74	$81.17
1228	9-Jun-13	9	4	($30.09)	Yes	$49.74	$79.83
1229	9-Jun-13	9	5	($29.86)	Yes	$49.74	$79.60
1230	9-Jun-13	9	6	($29.86)	Yes	$49.74	$79.60
1231	9-Jun-13	9	7	$10.12	Yes	$49.74	$39.62
1232	9-Jun-13	9	8	$15.66	Yes	$49.74	$34.08
1233	9-Jun-13	9	9	$24.09	Yes	$49.74	$25.65
1234	9-Jun-13	9	10	$24.00	Yes	$49.74	$25.74
1235	9-Jun-13	9	11	$28.02	Yes	$49.74	$21.72
1236	9-Jun-13	9	12	$24.66	Yes	$49.74	$25.08
1237	9-Jun-13	10	1	$24.46	Yes	$49.74	$25.28
1238	9-Jun-13	10	2	$25.63	Yes	$49.74	$24.11
1239	9-Jun-13	10	3	$25.63	Yes	$49.74	$24.11
1240	9-Jun-13	10	4	$10.77	Yes	$49.74	$38.97
1241	9-Jun-13	10	5	$10.77	Yes	$49.74	$38.97
1242	9-Jun-13	10	6	$10.77	Yes	$49.74	$38.97
1243	9-Jun-13	10	7	$10.72	Yes	$49.74	$39.02
1244	9-Jun-13	10	8	$10.76	Yes	$49.74	$38.98
1245	9-Jun-13	10	9	$10.72	Yes	$49.74	$39.02
1246	9-Jun-13	10	10	$21.38	Yes	$49.74	$28.36
1247	9-Jun-13	10	11	$21.45	Yes	$49.74	$28.29
1248	9-Jun-13	10	12	$21.38	Yes	$49.74	$28.36
1249	9-Jun-13	11	1	($31.17)	Yes	$49.74	$80.91
1250	9-Jun-13	11	2	($31.17)	Yes	$49.74	$80.91
1251	9-Jun-13	11	3	($31.17)	Yes	$49.74	$80.91
1252	9-Jun-13	11	4	($34.26)	Yes	$49.74	$84.00

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1253	9-Jun-13	11	5	($34.26)	Yes	$49.74	$84.00
1254	9-Jun-13	11	6	($31.19)	Yes	$49.74	$80.93
1255	9-Jun-13	11	7	($32.26)	Yes	$49.74	$82.00
1256	9-Jun-13	11	8	($31.11)	Yes	$49.74	$80.85
1257	9-Jun-13	11	9	($31.00)	Yes	$49.74	$80.74
1258	9-Jun-13	11	10	($31.02)	Yes	$49.74	$80.76
1259	9-Jun-13	11	11	($30.00)	Yes	$49.74	$79.74
1260	9-Jun-13	11	12	$21.50	Yes	$49.74	$28.24
1261	9-Jun-13	12	1	$24.32	Yes	$49.74	$25.42
1262	9-Jun-13	12	2	$24.32	Yes	$49.74	$25.42
1263	9-Jun-13	12	3	$24.32	Yes	$49.74	$25.42
1264	9-Jun-13	12	4	$24.19	Yes	$49.74	$25.55
1265	9-Jun-13	12	5	$30.74	Yes	$49.74	$19.00
1266	9-Jun-13	12	6	$30.55	Yes	$49.74	$19.19
1267	9-Jun-13	12	7	$31.19	Yes	$49.74	$18.55
1268	9-Jun-13	12	8	$25.86	Yes	$49.74	$23.88
1269	9-Jun-13	12	9	$27.04	Yes	$49.74	$22.70
1270	9-Jun-13	12	10	$25.71	Yes	$49.74	$24.03
1271	9-Jun-13	12	11	$25.71	Yes	$49.74	$24.03
1272	9-Jun-13	12	12	$25.26	Yes	$49.74	$24.48
1273	9-Jun-13	13	1	$24.55	Yes	$49.74	$25.19
1274	9-Jun-13	13	2	$24.47	Yes	$49.74	$25.27
1275	9-Jun-13	13	3	$24.56	Yes	$49.74	$25.18
1276	9-Jun-13	13	4	$25.68	Yes	$49.74	$24.06
1277	9-Jun-13	13	5	$28.43	Yes	$49.74	$21.31
1278	9-Jun-13	13	6	$29.58	Yes	$49.74	$20.16
1279	9-Jun-13	13	7	$30.80	Yes	$49.74	$18.94
1280	9-Jun-13	13	8	$30.52	Yes	$49.74	$19.22
1281	9-Jun-13	13	9	$30.52	Yes	$49.74	$19.22
1282	9-Jun-13	13	10	$30.53	Yes	$49.74	$19.21
1283	9-Jun-13	13	11	$30.53	Yes	$49.74	$19.21
1284	9-Jun-13	13	12	$30.52	Yes	$49.74	$19.22
1285	9-Jun-13	14	1	$28.39	Yes	$49.74	$21.35
1286	9-Jun-13	14	2	$30.53	Yes	$49.74	$19.21
1287	9-Jun-13	14	3	$30.53	Yes	$49.74	$19.21
1288	9-Jun-13	14	4	$30.53	Yes	$49.74	$19.21
1289	9-Jun-13	14	5	$30.53	Yes	$49.74	$19.21
1290	9-Jun-13	14	6	$30.97	Yes	$49.74	$18.77

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1291	9-Jun-13	14	7	$26.14	Yes	$49.74	$23.60
1292	9-Jun-13	14	8	$28.40	Yes	$49.74	$21.34
1293	9-Jun-13	14	9	$27.77	Yes	$49.74	$21.97
1294	9-Jun-13	14	10	$24.88	Yes	$49.74	$24.86
1295	9-Jun-13	14	11	$24.88	Yes	$49.74	$24.86
1296	9-Jun-13	14	12	$24.88	Yes	$49.74	$24.86
1297	9-Jun-13	15	1	$23.44	Yes	$49.74	$26.30
1298	9-Jun-13	15	2	$24.06	Yes	$49.74	$25.68
1299	9-Jun-13	15	3	$24.11	Yes	$49.74	$25.63
1300	9-Jun-13	15	4	$25.01	Yes	$49.74	$24.73
1301	9-Jun-13	15	5	$26.13	Yes	$49.74	$23.61
1302	9-Jun-13	15	6	$26.64	Yes	$49.74	$23.10
1303	9-Jun-13	15	7	$28.39	Yes	$49.74	$21.35
1304	9-Jun-13	15	8	$28.70	Yes	$49.74	$21.04
1305	9-Jun-13	15	9	$29.44	Yes	$49.74	$20.30
1306	9-Jun-13	15	10	$29.59	Yes	$49.74	$20.15
1307	9-Jun-13	15	11	$27.32	Yes	$49.74	$22.42
1308	9-Jun-13	15	12	$26.17	Yes	$49.74	$23.57
1309	9-Jun-13	16	1	$25.90	Yes	$49.74	$23.84
1310	9-Jun-13	16	2	$26.56	Yes	$49.74	$23.18
1311	9-Jun-13	16	3	$25.71	Yes	$49.74	$24.03
1312	9-Jun-13	16	4	$23.80	Yes	$49.74	$25.94
1313	9-Jun-13	16	5	$23.80	Yes	$49.74	$25.94
1314	9-Jun-13	16	6	$23.80	Yes	$49.74	$25.94
1315	9-Jun-13	16	7	$25.74	Yes	$49.74	$24.00
1316	9-Jun-13	16	8	$24.47	Yes	$49.74	$25.27
1317	9-Jun-13	16	9	$24.47	Yes	$49.74	$25.27
1318	9-Jun-13	16	10	$23.79	Yes	$49.74	$25.95
1319	9-Jun-13	16	11	$25.31	Yes	$49.74	$24.43
1320	9-Jun-13	16	12	$24.72	Yes	$49.74	$25.02
1321	9-Jun-13	17	1	$24.33	Yes	$49.74	$25.41
1322	9-Jun-13	17	2	$26.78	Yes	$49.74	$22.96
1323	9-Jun-13	17	3	$26.90	Yes	$49.74	$22.84
1324	9-Jun-13	17	4	$26.38	Yes	$49.74	$23.36
1325	9-Jun-13	17	5	$26.33	Yes	$49.74	$23.41
1326	9-Jun-13	17	6	$26.38	Yes	$49.74	$23.36
1327	9-Jun-13	17	7	$25.23	Yes	$49.74	$24.51
1328	9-Jun-13	17	8	$25.41	Yes	$49.74	$24.33

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1329	9-Jun-13	17	9	$25.64	Yes	$49.74	$24.10
1330	9-Jun-13	17	10	$27.21	Yes	$49.74	$22.53
1331	9-Jun-13	17	11	$27.19	Yes	$49.74	$22.55
1332	9-Jun-13	17	12	$26.90	Yes	$49.74	$22.84
1333	9-Jun-13	18	1	$26.51	Yes	$49.74	$23.23
1334	9-Jun-13	18	2	$26.71	Yes	$49.74	$23.03
1335	9-Jun-13	18	3	$26.80	Yes	$49.74	$22.94
1336	9-Jun-13	18	4	$27.40	Yes	$49.74	$22.34
1337	9-Jun-13	18	5	$28.06	Yes	$49.74	$21.68
1338	9-Jun-13	18	6	$28.06	Yes	$49.74	$21.68
1339	9-Jun-13	18	7	$26.97	Yes	$49.74	$22.77
1340	9-Jun-13	18	8	$26.97	Yes	$49.74	$22.77
1341	9-Jun-13	18	9	$27.90	Yes	$49.74	$21.84
1342	9-Jun-13	18	10	$29.13	Yes	$49.74	$20.61
1343	9-Jun-13	18	11	$29.22	Yes	$49.74	$20.52
1344	9-Jun-13	18	12	$30.10	Yes	$49.74	$19.64
1345	9-Jun-13	19	1	$29.45	Yes	$49.74	$20.29
1346	9-Jun-13	19	2	$29.45	Yes	$49.74	$20.29
1347	9-Jun-13	19	3	$29.44	Yes	$49.74	$20.30
1348	9-Jun-13	19	4	$29.38	Yes	$49.74	$20.36
1349	9-Jun-13	19	5	$29.38	Yes	$49.74	$20.36
1350	9-Jun-13	19	6	$29.42	Yes	$49.74	$20.32
1351	9-Jun-13	19	7	$30.30	Yes	$49.74	$19.44
1352	9-Jun-13	19	8	$30.30	Yes	$49.74	$19.44
1353	9-Jun-13	19	9	$30.12	Yes	$49.74	$19.62
1354	9-Jun-13	19	10	$29.64	Yes	$49.74	$20.10
1355	9-Jun-13	19	11	$29.03	Yes	$49.74	$20.71
1356	9-Jun-13	19	12	$29.03	Yes	$49.74	$20.71
1357	9-Jun-13	20	1	$26.56	Yes	$49.74	$23.18
1358	9-Jun-13	20	2	$26.43	Yes	$49.74	$23.31
1359	9-Jun-13	20	3	$26.43	Yes	$49.74	$23.31
1360	9-Jun-13	20	4	$25.72	Yes	$49.74	$24.02
1361	9-Jun-13	20	5	$24.97	Yes	$49.74	$24.77
1362	9-Jun-13	20	6	$25.14	Yes	$49.74	$24.60
1363	9-Jun-13	20	7	$24.30	Yes	$49.74	$25.44
1364	9-Jun-13	20	8	$24.46	Yes	$49.74	$25.28
1365	9-Jun-13	20	9	$24.34	Yes	$49.74	$25.40
1366	9-Jun-13	20	10	$23.81	Yes	$49.74	$25.93

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1367	9-Jun-13	20	11	$23.74	Yes	$49.74	$26.00
1368	9-Jun-13	20	12	$23.35	Yes	$49.74	$26.39
1369	28-Jun-13	11	1	$45.57	Yes	$48.75	$3.18
1370	28-Jun-13	11	2	$36.81	Yes	$48.75	$11.94
1371	28-Jun-13	11	3	$44.24	Yes	$48.75	$4.51
1372	28-Jun-13	11	4	$41.53	Yes	$48.75	$7.22
1373	28-Jun-13	11	5	$45.46	Yes	$48.75	$3.29
1374	28-Jun-13	11	6	$45.46	Yes	$48.75	$3.29
1375	28-Jun-13	11	7	$47.81	Yes	$48.75	$0.94
1376	28-Jun-13	11	8	$46.75	Yes	$48.75	$2.00
1377	28-Jun-13	11	9	$48.37	Yes	$48.75	$0.38
1378	28-Jun-13	11	10	$48.56	Yes	$48.75	$0.19
1379	28-Jun-13	11	11	$55.74	Yes	$48.75	($6.99)
1380	28-Jun-13	11	12	$67.10	Yes	$48.75	($18.35)
1381	28-Jun-13	12	1	$47.15	Yes	$48.75	$1.60
1382	28-Jun-13	12	2	$47.15	Yes	$48.75	$1.60
1383	28-Jun-13	12	3	$48.27	Yes	$48.75	$0.48
1384	28-Jun-13	12	4	$47.48	Yes	$48.75	$1.27
1385	28-Jun-13	12	5	$42.33	Yes	$48.75	$6.42
1386	28-Jun-13	12	6	$44.81	Yes	$48.75	$3.94
1387	28-Jun-13	12	7	$38.04	Yes	$48.75	$10.71
1388	28-Jun-13	12	8	$38.26	Yes	$48.75	$10.49
1389	28-Jun-13	12	9	$39.83	Yes	$48.75	$8.92
1390	28-Jun-13	12	10	$37.97	Yes	$48.75	$10.78
1391	28-Jun-13	12	11	$39.59	Yes	$48.75	$9.16
1392	28-Jun-13	12	12	$37.89	Yes	$48.75	$10.86
1393	28-Jun-13	13	1	$46.25	Yes	$48.75	$2.50
1394	28-Jun-13	13	2	$44.07	Yes	$48.75	$4.68
1395	28-Jun-13	13	3	$44.46	Yes	$48.75	$4.29
1396	28-Jun-13	13	4	$45.23	Yes	$48.75	$3.52
1397	28-Jun-13	13	5	$45.25	Yes	$48.75	$3.50
1398	28-Jun-13	13	6	$46.77	Yes	$48.75	$1.98
1399	28-Jun-13	13	7	$34.86	Yes	$48.75	$13.89
1400	28-Jun-13	13	8	$49.19	Yes	$48.75	($0.44)
1401	28-Jun-13	13	9	$51.05	Yes	$48.75	($2.30)
1402	28-Jun-13	13	10	$51.15	Yes	$48.75	($2.40)
1403	28-Jun-13	13	11	$53.37	Yes	$48.75	($4.62)
1404	28-Jun-13	13	12	$57.35	Yes	$48.75	($8.60)

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1405	28-Jun-13	14	1	$48.75	Yes	$48.75	($0.00)
1406	28-Jun-13	14	2	$48.75	Yes	$48.75	($0.00)
1407	28-Jun-13	14	3	$51.97	Yes	$48.75	($3.22)
1408	28-Jun-13	14	4	$42.39	Yes	$48.75	$6.36
1409	28-Jun-13	14	5	$68.63	Yes	$48.75	($19.88)
1410	28-Jun-13	14	6	$103.77	Yes	$48.75	($55.02)
1411	28-Jun-13	14	7	$59.76	Yes	$48.75	($11.01)
1412	28-Jun-13	14	8	$60.16	Yes	$48.75	($11.41)
1413	28-Jun-13	14	9	$71.11	Yes	$48.75	($22.36)
1414	28-Jun-13	14	10	$58.66	Yes	$48.75	($9.91)
1415	28-Jun-13	14	11	$58.66	Yes	$48.75	($9.91)
1416	28-Jun-13	14	12	$55.77	Yes	$48.75	($7.02)
1417	28-Jun-13	15	1	$50.93	Yes	$48.75	($2.18)
1418	28-Jun-13	15	2	$49.88	Yes	$48.75	($1.13)
1419	28-Jun-13	15	3	$53.92	Yes	$48.75	($5.17)
1420	28-Jun-13	15	4	$52.68	Yes	$48.75	($3.93)
1421	28-Jun-13	15	5	$54.17	Yes	$48.75	($5.42)
1422	28-Jun-13	15	6	$54.48	Yes	$48.75	($5.73)
1423	28-Jun-13	15	7	$52.24	Yes	$48.75	($3.49)
1424	28-Jun-13	15	8	$53.01	Yes	$48.75	($4.26)
1425	28-Jun-13	15	9	$52.75	Yes	$48.75	($4.00)
1426	28-Jun-13	15	10	$53.21	Yes	$48.75	($4.46)
1427	28-Jun-13	15	11	$53.61	Yes	$48.75	($4.86)
1428	28-Jun-13	15	12	$53.89	Yes	$48.75	($5.14)
1429	28-Jun-13	16	1	$54.20	Yes	$48.75	($5.45)
1430	28-Jun-13	16	2	$52.07	Yes	$48.75	($3.32)
1431	28-Jun-13	16	3	$51.41	Yes	$48.75	($2.66)
1432	28-Jun-13	16	4	$51.69	Yes	$48.75	($2.94)
1433	28-Jun-13	16	5	$54.66	Yes	$48.75	($5.91)
1434	28-Jun-13	16	6	$54.66	Yes	$48.75	($5.91)
1435	28-Jun-13	16	7	$54.66	Yes	$48.75	($5.91)
1436	28-Jun-13	16	8	$57.57	Yes	$48.75	($8.82)
1437	28-Jun-13	16	9	$57.57	Yes	$48.75	($8.82)
1438	28-Jun-13	16	10	$54.78	Yes	$48.75	($6.03)
1439	28-Jun-13	16	11	$55.99	Yes	$48.75	($7.24)
1440	28-Jun-13	16	12	$54.38	Yes	$48.75	($5.63)
1441	28-Jun-13	17	1	$51.05	Yes	$48.75	($2.30)
1442	28-Jun-13	17	2	$51.58	Yes	$48.75	($2.83)

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1443	28-Jun-13	17	3	$51.59	Yes	$48.75	($2.84)
1444	28-Jun-13	17	4	$53.70	Yes	$48.75	($4.95)
1445	28-Jun-13	17	5	$98.49	Yes	$48.75	($49.74)
1446	28-Jun-13	17	6	$99.09	Yes	$48.75	($50.34)
1447	28-Jun-13	17	7	$48.82	Yes	$48.75	($0.07)
1448	28-Jun-13	17	8	$48.91	Yes	$48.75	($0.16)
1449	28-Jun-13	17	9	$48.82	Yes	$48.75	($0.07)
1450	28-Jun-13	17	10	$48.71	Yes	$48.75	$0.04
1451	28-Jun-13	17	11	$48.73	Yes	$48.75	$0.02
1452	28-Jun-13	17	12	$49.29	Yes	$48.75	($0.54)
1453	28-Jun-13	18	1	$54.09	Yes	$48.75	($5.34)
1454	28-Jun-13	18	2	$69.08	Yes	$48.75	($20.33)
1455	28-Jun-13	18	3	$77.24	Yes	$48.75	($28.49)
1456	28-Jun-13	18	4	$70.45	Yes	$48.75	($21.70)
1457	28-Jun-13	18	5	$61.09	Yes	$48.75	($12.34)
1458	28-Jun-13	18	6	$61.02	Yes	$48.75	($12.27)
1459	28-Jun-13	18	7	$60.95	Yes	$48.75	($12.20)
1460	28-Jun-13	18	8	$60.95	Yes	$48.75	($12.20)
1461	28-Jun-13	18	9	$56.06	Yes	$48.75	($7.31)
1462	28-Jun-13	18	10	$88.60	Yes	$48.75	($39.85)
1463	28-Jun-13	18	11	$102.63	Yes	$48.75	($53.88)
1464	28-Jun-13	18	12	$132.87	Yes	$48.75	($84.12)
1465	28-Jun-13	19	1	$132.87	Yes	$48.75	($84.12)
1466	28-Jun-13	19	2	$132.87	Yes	$48.75	($84.12)
1467	28-Jun-13	19	3	$49.32	Yes	$48.75	($0.57)
1468	28-Jun-13	19	4	$49.78	Yes	$48.75	($1.03)
1469	28-Jun-13	19	5	$52.73	Yes	$48.75	($3.98)
1470	28-Jun-13	19	6	$52.68	Yes	$48.75	($3.93)
1471	28-Jun-13	19	7	$510.46	Yes	$48.75	($461.71)
1472	28-Jun-13	19	8	$170.70	Yes	$48.75	($121.95)
1473	28-Jun-13	19	9	$97.43	Yes	$48.75	($48.68)
1474	28-Jun-13	19	10	$53.89	Yes	$48.75	($5.14)
1475	28-Jun-13	19	11	$49.71	Yes	$48.75	($0.96)
1476	28-Jun-13	19	12	$49.19	Yes	$48.75	($0.44)
1477	28-Jun-13	20	1	$49.72	Yes	$48.75	($0.97)
1478	28-Jun-13	20	2	$55.70	Yes	$48.75	($6.95)
1479	28-Jun-13	20	3	$74.18	Yes	$48.75	($25.43)
1480	28-Jun-13	20	4	$65.26	Yes	$48.75	($16.51)

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1481	28-Jun-13	20	5	$66.65	Yes	$48.75	($17.90)
1482	28-Jun-13	20	6	$55.21	Yes	$48.75	($6.46)
1483	28-Jun-13	20	7	$50.47	Yes	$48.75	($1.72)
1484	28-Jun-13	20	8	$48.92	Yes	$48.75	($0.17)
1485	28-Jun-13	20	9	$47.67	Yes	$48.75	$1.08
1486	28-Jun-13	20	10	$46.78	Yes	$48.75	$1.97
1487	28-Jun-13	20	11	$45.31	Yes	$48.75	$3.44
1488	28-Jun-13	20	12	$41.17	Yes	$48.75	$7.58
1489	28-Jun-13	21	1	$40.97	Yes	$48.75	$7.78
1490	28-Jun-13	21	2	$37.94	Yes	$48.75	$10.81
1491	28-Jun-13	21	3	$40.71	Yes	$48.75	$8.04
1492	28-Jun-13	21	4	$41.55	Yes	$48.75	$7.20
1493	28-Jun-13	21	5	$45.68	Yes	$48.75	$3.07
1494	28-Jun-13	21	6	$46.73	Yes	$48.75	$2.02
1495	28-Jun-13	21	7	$44.88	Yes	$48.75	$3.87
1496	28-Jun-13	21	8	$47.88	Yes	$48.75	$0.87
1497	28-Jun-13	21	9	$48.62	Yes	$48.75	$0.13
1498	28-Jun-13	21	10	$48.85	Yes	$48.75	($0.10)
1499	28-Jun-13	21	11	$48.89	Yes	$48.75	($0.14)
1500	28-Jun-13	21	12	$51.63	Yes	$48.75	($2.88)
1501	28-Jun-13	22	1	$62.25	Yes	$48.75	($13.50)
1502	28-Jun-13	22	2	$66.79	Yes	$48.75	($18.04)
1503	28-Jun-13	22	3	$60.14	Yes	$48.75	($11.39)
1504	28-Jun-13	22	4	$50.03	Yes	$48.75	($1.28)
1505	28-Jun-13	22	5	$47.84	Yes	$48.75	$0.91
1506	28-Jun-13	22	6	$47.22	Yes	$48.75	$1.53
1507	28-Jun-13	22	7	$47.17	Yes	$48.75	$1.58
1508	28-Jun-13	22	8	$47.73	Yes	$48.75	$1.02
1509	28-Jun-13	22	9	$47.17	Yes	$48.75	$1.58
1510	28-Jun-13	22	10	$47.65	Yes	$48.75	$1.10
1511	28-Jun-13	22	11	$45.27	Yes	$48.75	$3.48
1512	28-Jun-13	22	12	$40.93	Yes	$48.75	$7.82
1513	28-Jun-13	23	1	$48.48	Yes	$48.75	$0.27
1514	28-Jun-13	23	2	$46.92	Yes	$48.75	$1.83
1515	28-Jun-13	23	3	$46.41	Yes	$48.75	$2.34
1516	28-Jun-13	23	4	$35.50	Yes	$48.75	$13.25
1517	28-Jun-13	23	5	$36.44	Yes	$48.75	$12.31
1518	28-Jun-13	23	6	$35.41	Yes	$48.75	$13.34

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1519	28-Jun-13	23	7	$34.25	Yes	$48.75	$14.50
1520	28-Jun-13	23	8	$34.25	Yes	$48.75	$14.50
1521	28-Jun-13	23	9	$34.25	Yes	$48.75	$14.50
1522	28-Jun-13	23	10	$32.99	Yes	$48.75	$15.76
1523	28-Jun-13	23	11	$32.91	Yes	$48.75	$15.84
1524	28-Jun-13	23	12	$32.84	Yes	$48.75	$15.91
1525	28-Jun-13	24	1	$36.47	Yes	$48.75	$12.28
1526	28-Jun-13	24	2	$35.85	Yes	$48.75	$12.90
1527	28-Jun-13	24	3	$33.26	Yes	$48.75	$15.49
1528	28-Jun-13	24	4	$33.04	Yes	$48.75	$15.71
1529	28-Jun-13	24	5	$33.04	Yes	$48.75	$15.71
1530	28-Jun-13	24	6	$32.94	Yes	$48.75	$15.81
1531	28-Jun-13	24	7	$33.05	Yes	$48.75	$15.70
1532	28-Jun-13	24	8	$32.85	Yes	$48.75	$15.90
1533	28-Jun-13	24	9	$31.55	Yes	$48.75	$17.20
1534	28-Jun-13	24	10	$31.39	Yes	$48.75	$17.36
1535	28-Jun-13	24	11	$31.63	Yes	$48.75	$17.12
1536	28-Jun-13	24	12	$30.11	Yes	$48.75	$18.64
1537	29-Jun-13	20	1	$64.94	Yes	$48.82	($16.12)
1538	29-Jun-13	20	2	$52.77	Yes	$48.82	($3.95)
1539	29-Jun-13	20	3	$52.77	Yes	$48.82	($3.95)
1540	29-Jun-13	20	4	$61.09	Yes	$48.82	($12.27)
1541	29-Jun-13	20	5	$60.24	Yes	$48.82	($11.42)
1542	29-Jun-13	20	6	$50.87	Yes	$48.82	($2.05)
1543	29-Jun-13	20	7	$53.75	Yes	$48.82	($4.93)
1544	29-Jun-13	20	8	$49.71	Yes	$48.82	($0.89)
1545	29-Jun-13	20	9	$47.88	Yes	$48.82	$0.94
1546	29-Jun-13	20	10	$45.55	Yes	$48.82	$3.27
1547	29-Jun-13	20	11	$45.55	Yes	$48.82	$3.27
1548	29-Jun-13	20	12	$44.45	Yes	$48.82	$4.37
1549	29-Jun-13	21	1	$48.05	Yes	$48.82	$0.77
1550	29-Jun-13	21	2	$47.52	Yes	$48.82	$1.30
1551	29-Jun-13	21	3	$56.38	Yes	$48.82	($7.56)
1552	29-Jun-13	21	4	$38.09	Yes	$48.82	$10.73
1553	29-Jun-13	21	5	$43.95	Yes	$48.82	$4.87
1554	29-Jun-13	21	6	$43.18	Yes	$48.82	$5.64
1555	29-Jun-13	21	7	$34.99	Yes	$48.82	$13.83
1556	29-Jun-13	21	8	$35.04	Yes	$48.82	$13.78

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1557	29-Jun-13	21	9	$35.71	Yes	$48.82	$13.11
1558	29-Jun-13	21	10	$44.40	Yes	$48.82	$4.42
1559	29-Jun-13	21	11	$43.74	Yes	$48.82	$5.08
1560	29-Jun-13	21	12	$37.23	Yes	$48.82	$11.59
1561	29-Jun-13	22	1	$44.65	Yes	$48.82	$4.17
1562	29-Jun-13	22	2	$44.66	Yes	$48.82	$4.16
1563	29-Jun-13	22	3	$45.71	Yes	$48.82	$3.11
1564	29-Jun-13	22	4	$41.31	Yes	$48.82	$7.51
1565	29-Jun-13	22	5	$47.04	Yes	$48.82	$1.78
1566	29-Jun-13	22	6	$46.62	Yes	$48.82	$2.20
1567	29-Jun-13	22	7	$39.84	Yes	$48.82	$8.98
1568	29-Jun-13	22	8	$43.38	Yes	$48.82	$5.44
1569	29-Jun-13	22	9	$37.89	Yes	$48.82	$10.93
1570	29-Jun-13	22	10	$39.88	Yes	$48.82	$8.94
1571	29-Jun-13	22	11	$36.40	Yes	$48.82	$12.42
1572	29-Jun-13	22	12	$33.06	Yes	$48.82	$15.76
1573	29-Jun-13	23	1	$51.97	Yes	$48.82	($3.15)
1574	29-Jun-13	23	2	$49.83	Yes	$48.82	($1.01)
1575	29-Jun-13	23	3	$49.05	Yes	$48.82	($0.23)
1576	29-Jun-13	23	4	$48.78	Yes	$48.82	$0.04
1577	29-Jun-13	23	5	$48.52	Yes	$48.82	$0.30
1578	29-Jun-13	23	6	$48.42	Yes	$48.82	$0.40
1579	29-Jun-13	23	7	$45.95	Yes	$48.82	$2.87
1580	29-Jun-13	23	8	$46.99	Yes	$48.82	$1.83
1581	29-Jun-13	23	9	$45.26	Yes	$48.82	$3.56
1582	29-Jun-13	23	10	$39.86	Yes	$48.82	$8.96
1583	29-Jun-13	23	11	$34.58	Yes	$48.82	$14.24
1584	29-Jun-13	23	12	$33.55	Yes	$48.82	$15.27
1585	29-Jun-13	24	1	$35.85	Yes	$48.82	$12.97
1586	29-Jun-13	24	2	$39.34	Yes	$48.82	$9.48
1587	29-Jun-13	24	3	$44.18	Yes	$48.82	$4.64
1588	29-Jun-13	24	4	$45.33	Yes	$48.82	$3.49
1589	29-Jun-13	24	5	$45.90	Yes	$48.82	$2.92
1590	29-Jun-13	24	6	$45.33	Yes	$48.82	$3.49
1591	29-Jun-13	24	7	$41.97	Yes	$48.82	$6.85
1592	29-Jun-13	24	8	$42.00	Yes	$48.82	$6.82
1593	29-Jun-13	24	9	$35.46	Yes	$48.82	$13.36
1594	29-Jun-13	24	10	$31.48	Yes	$48.82	$17.34

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1595	29-Jun-13	24	11	$31.39	Yes	$48.82	$17.43
1596	29-Jun-13	24	12	$28.61	Yes	$48.82	$20.21
1597	30-Jun-13	1	1	$44.21	Yes	$48.87	$4.66
1598	30-Jun-13	1	2	$44.21	Yes	$48.87	$4.66
1599	30-Jun-13	1	3	$46.36	Yes	$48.87	$2.51
1600	30-Jun-13	1	4	$46.16	Yes	$48.87	$2.71
1601	30-Jun-13	1	5	$45.24	Yes	$48.87	$3.63
1602	30-Jun-13	1	6	$45.12	Yes	$48.87	$3.75
1603	30-Jun-13	1	7	$44.02	Yes	$48.87	$4.85
1604	30-Jun-13	1	8	$42.09	Yes	$48.87	$6.78
1605	30-Jun-13	1	9	$38.02	Yes	$48.87	$10.85
1606	30-Jun-13	1	10	$36.35	Yes	$48.87	$12.52
1607	30-Jun-13	1	11	$34.99	Yes	$48.87	$13.88
1608	30-Jun-13	1	12	$32.34	Yes	$48.87	$16.53
1609	30-Jun-13	2	1	$31.96	Yes	$48.87	$16.91
1610	30-Jun-13	2	2	$31.91	Yes	$48.87	$16.96
1611	30-Jun-13	2	3	$31.07	Yes	$48.87	$17.80
1612	30-Jun-13	2	4	$30.40	Yes	$48.87	$18.47
1613	30-Jun-13	2	5	$30.35	Yes	$48.87	$18.52
1614	30-Jun-13	2	6	$29.85	Yes	$48.87	$19.02
1615	30-Jun-13	2	7	$29.63	Yes	$48.87	$19.24
1616	30-Jun-13	2	8	$29.09	Yes	$48.87	$19.78
1617	30-Jun-13	2	9	$27.80	Yes	$48.87	$21.07
1618	30-Jun-13	2	10	$27.95	Yes	$48.87	$20.92
1619	30-Jun-13	2	11	$27.95	Yes	$48.87	$20.92
1620	30-Jun-13	2	12	$29.12	Yes	$48.87	$19.75
1621	30-Jun-13	3	1	$30.04	Yes	$48.87	$18.83
1622	30-Jun-13	3	2	$30.17	Yes	$48.87	$18.70
1623	30-Jun-13	3	3	$30.17	Yes	$48.87	$18.70
1624	30-Jun-13	3	4	$29.64	Yes	$48.87	$19.23
1625	30-Jun-13	3	5	$29.16	Yes	$48.87	$19.71
1626	30-Jun-13	3	6	$28.13	Yes	$48.87	$20.74
1627	30-Jun-13	3	7	$28.18	Yes	$48.87	$20.69
1628	30-Jun-13	3	8	$28.18	Yes	$48.87	$20.69
1629	30-Jun-13	3	9	$28.18	Yes	$48.87	$20.69
1630	30-Jun-13	3	10	$28.26	Yes	$48.87	$20.61
1631	30-Jun-13	3	11	$29.21	Yes	$48.87	$19.66
1632	30-Jun-13	3	12	$29.62	Yes	$48.87	$19.25

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1633	30-Jun-13	4	1	$30.03	Yes	$48.87	$18.84
1634	30-Jun-13	4	2	$30.29	Yes	$48.87	$18.58
1635	30-Jun-13	4	3	$31.46	Yes	$48.87	$17.41
1636	30-Jun-13	4	4	$31.74	Yes	$48.87	$17.13
1637	30-Jun-13	4	5	$30.86	Yes	$48.87	$18.01
1638	30-Jun-13	4	6	$30.86	Yes	$48.87	$18.01
1639	30-Jun-13	4	7	$30.45	Yes	$48.87	$18.42
1640	30-Jun-13	4	8	$30.26	Yes	$48.87	$18.61
1641	30-Jun-13	4	9	$30.26	Yes	$48.87	$18.61
1642	30-Jun-13	4	10	$30.21	Yes	$48.87	$18.66
1643	30-Jun-13	4	11	$30.21	Yes	$48.87	$18.66
1644	30-Jun-13	4	12	$30.24	Yes	$48.87	$18.63
1645	30-Jun-13	5	1	$30.25	Yes	$48.87	$18.62
1646	30-Jun-13	5	2	$30.24	Yes	$48.87	$18.63
1647	30-Jun-13	5	3	$30.04	Yes	$48.87	$18.83
1648	30-Jun-13	5	4	$29.93	Yes	$48.87	$18.94
1649	30-Jun-13	5	5	$29.84	Yes	$48.87	$19.03
1650	30-Jun-13	5	6	$29.84	Yes	$48.87	$19.03
1651	30-Jun-13	5	7	$29.69	Yes	$48.87	$19.18
1652	30-Jun-13	5	8	$29.90	Yes	$48.87	$18.97
1653	30-Jun-13	5	9	$29.69	Yes	$48.87	$19.18
1654	30-Jun-13	5	10	$29.69	Yes	$48.87	$19.18
1655	30-Jun-13	5	11	$29.69	Yes	$48.87	$19.18
1656	30-Jun-13	5	12	$29.14	Yes	$48.87	$19.73
1657	30-Jun-13	6	1	$30.22	Yes	$48.87	$18.65
1658	30-Jun-13	6	2	$30.22	Yes	$48.87	$18.65
1659	30-Jun-13	6	3	$30.22	Yes	$48.87	$18.65
1660	30-Jun-13	6	4	$30.18	Yes	$48.87	$18.69
1661	30-Jun-13	6	5	$30.42	Yes	$48.87	$18.45
1662	30-Jun-13	6	6	$30.34	Yes	$48.87	$18.53
1663	30-Jun-13	6	7	$30.29	Yes	$48.87	$18.58
1664	30-Jun-13	6	8	$30.19	Yes	$48.87	$18.68
1665	30-Jun-13	6	9	$29.79	Yes	$48.87	$19.08
1666	30-Jun-13	6	10	$29.28	Yes	$48.87	$19.59
1667	30-Jun-13	6	11	$27.76	Yes	$48.87	$21.11
1668	30-Jun-13	6	12	$27.61	Yes	$48.87	$21.26
1669	30-Jun-13	7	1	$0.45	Yes	$48.87	$48.42
1670	30-Jun-13	7	2	$6.69	Yes	$48.87	$42.18

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1671	30-Jun-13	7	3	$6.69	Yes	$48.87	$42.18
1672	30-Jun-13	7	4	$10.44	Yes	$48.87	$38.43
1673	30-Jun-13	7	5	$25.10	Yes	$48.87	$23.77
1674	30-Jun-13	7	6	$27.56	Yes	$48.87	$21.31
1675	30-Jun-13	7	7	$27.14	Yes	$48.87	$21.73
1676	30-Jun-13	7	8	$27.14	Yes	$48.87	$21.73
1677	30-Jun-13	7	9	$29.11	Yes	$48.87	$19.76
1678	30-Jun-13	7	10	$29.90	Yes	$48.87	$18.97
1679	30-Jun-13	7	11	$29.90	Yes	$48.87	$18.97
1680	30-Jun-13	7	12	$29.90	Yes	$48.87	$18.97
1681	30-Jun-13	8	1	$5.51	Yes	$48.87	$43.36
1682	30-Jun-13	8	2	$0.45	Yes	$48.87	$48.42
1683	30-Jun-13	8	3	$5.51	Yes	$48.87	$43.36
1684	30-Jun-13	8	4	($30.34)	Yes	$48.87	$79.21
1685	30-Jun-13	8	5	($30.20)	Yes	$48.87	$79.07
1686	30-Jun-13	8	6	$0.45	Yes	$48.87	$48.42
1687	30-Jun-13	8	7	($31.17)	Yes	$48.87	$80.04
1688	30-Jun-13	8	8	($53.30)	Yes	$48.87	$102.17
1689	30-Jun-13	8	9	($9.95)	Yes	$48.87	$58.82
1690	30-Jun-13	8	10	($9.58)	Yes	$48.87	$58.45
1691	30-Jun-13	8	11	$2.48	Yes	$48.87	$46.39
1692	30-Jun-13	8	12	$15.68	Yes	$48.87	$33.19
1693	30-Jun-13	9	1	$2.47	Yes	$48.87	$46.40
1694	30-Jun-13	9	2	$6.80	Yes	$48.87	$42.07
1695	30-Jun-13	9	3	$5.46	Yes	$48.87	$43.41
1696	30-Jun-13	9	4	$15.58	Yes	$48.87	$33.29
1697	30-Jun-13	9	5	$20.03	Yes	$48.87	$28.84
1698	30-Jun-13	9	6	$21.68	Yes	$48.87	$27.19
1699	30-Jun-13	9	7	$25.71	Yes	$48.87	$23.16
1700	30-Jun-13	9	8	$29.40	Yes	$48.87	$19.47
1701	30-Jun-13	9	9	$28.52	Yes	$48.87	$20.35
1702	30-Jun-13	9	10	$31.17	Yes	$48.87	$17.70
1703	30-Jun-13	9	11	$31.20	Yes	$48.87	$17.67
1704	30-Jun-13	9	12	$32.13	Yes	$48.87	$16.74
1705	30-Jun-13	10	1	$31.38	Yes	$48.87	$17.49
1706	30-Jun-13	10	2	$31.39	Yes	$48.87	$17.48
1707	30-Jun-13	10	3	$31.30	Yes	$48.87	$17.57
1708	30-Jun-13	10	4	$31.29	Yes	$48.87	$17.58

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1709	30-Jun-13	10	5	$33.25	Yes	$48.87	$15.62
1710	30-Jun-13	10	6	$33.37	Yes	$48.87	$15.50
1711	30-Jun-13	10	7	$34.50	Yes	$48.87	$14.37
1712	30-Jun-13	10	8	$44.20	Yes	$48.87	$4.67
1713	30-Jun-13	10	9	$44.20	Yes	$48.87	$4.67
1714	30-Jun-13	10	10	$46.04	Yes	$48.87	$2.83
1715	30-Jun-13	10	11	$46.04	Yes	$48.87	$2.83
1716	30-Jun-13	10	12	$46.46	Yes	$48.87	$2.41
1717	30-Jun-13	11	1	$38.61	Yes	$48.87	$10.26
1718	30-Jun-13	11	2	$42.58	Yes	$48.87	$6.29
1719	30-Jun-13	11	3	$42.58	Yes	$48.87	$6.29
1720	30-Jun-13	11	4	$42.18	Yes	$48.87	$6.69
1721	30-Jun-13	11	5	$42.18	Yes	$48.87	$6.69
1722	30-Jun-13	11	6	$46.15	Yes	$48.87	$2.72
1723	30-Jun-13	11	7	$48.23	Yes	$48.87	$0.64
1724	30-Jun-13	11	8	$47.61	Yes	$48.87	$1.26
1725	30-Jun-13	11	9	$48.62	Yes	$48.87	$0.25
1726	30-Jun-13	11	10	$50.92	Yes	$48.87	($2.05)
1727	30-Jun-13	11	11	$57.59	Yes	$48.87	($8.72)
1728	30-Jun-13	11	12	$57.59	Yes	$48.87	($8.72)
1729	30-Jun-13	12	1	$57.59	Yes	$48.87	($8.72)
1730	30-Jun-13	12	2	$49.20	Yes	$48.87	($0.33)
1731	30-Jun-13	12	3	$47.38	Yes	$48.87	$1.49
1732	30-Jun-13	12	4	$48.03	Yes	$48.87	$0.84
1733	30-Jun-13	12	5	$47.96	Yes	$48.87	$0.91
1734	30-Jun-13	12	6	$49.17	Yes	$48.87	($0.30)
1735	30-Jun-13	12	7	$49.63	Yes	$48.87	($0.76)
1736	30-Jun-13	12	8	$51.72	Yes	$48.87	($2.85)
1737	30-Jun-13	12	9	$59.80	Yes	$48.87	($10.93)
1738	30-Jun-13	12	10	$58.84	Yes	$48.87	($9.97)
1739	30-Jun-13	12	11	$48.65	Yes	$48.87	$0.22
1740	30-Jun-13	12	12	$51.77	Yes	$48.87	($2.90)
1741	30-Jun-13	13	1	$44.11	Yes	$48.87	$4.76
1742	30-Jun-13	13	2	$43.21	Yes	$48.87	$5.66
1743	30-Jun-13	13	3	$45.27	Yes	$48.87	$3.60
1744	30-Jun-13	13	4	$45.97	Yes	$48.87	$2.90
1745	30-Jun-13	13	5	$44.25	Yes	$48.87	$4.62
1746	30-Jun-13	13	6	$44.27	Yes	$48.87	$4.60

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1747	30-Jun-13	13	7	$45.40	Yes	$48.87	$3.47
1748	30-Jun-13	13	8	$48.40	Yes	$48.87	$0.47
1749	30-Jun-13	13	9	$51.62	Yes	$48.87	($2.75)
1750	30-Jun-13	13	10	$50.16	Yes	$48.87	($1.29)
1751	30-Jun-13	13	11	$49.69	Yes	$48.87	($0.82)
1752	30-Jun-13	13	12	$49.69	Yes	$48.87	($0.82)
1753	30-Jun-13	14	1	$36.46	Yes	$48.87	$12.41
1754	30-Jun-13	14	2	$37.66	Yes	$48.87	$11.21
1755	30-Jun-13	14	3	$43.29	Yes	$48.87	$5.58
1756	30-Jun-13	14	4	$45.75	Yes	$48.87	$3.12
1757	30-Jun-13	14	5	$46.07	Yes	$48.87	$2.80
1758	30-Jun-13	14	6	$46.31	Yes	$48.87	$2.56
1759	30-Jun-13	14	7	$46.83	Yes	$48.87	$2.04
1760	30-Jun-13	14	8	$48.30	Yes	$48.87	$0.57
1761	30-Jun-13	14	9	$46.16	Yes	$48.87	$2.71
1762	30-Jun-13	14	10	$45.68	Yes	$48.87	$3.19
1763	30-Jun-13	14	11	$45.71	Yes	$48.87	$3.16
1764	30-Jun-13	14	12	$46.12	Yes	$48.87	$2.75
1765	30-Jun-13	15	1	$44.72	Yes	$48.87	$4.15
1766	30-Jun-13	15	2	$43.11	Yes	$48.87	$5.76
1767	30-Jun-13	15	3	$43.30	Yes	$48.87	$5.57
1768	30-Jun-13	15	4	$44.22	Yes	$48.87	$4.65
1769	30-Jun-13	15	5	$45.55	Yes	$48.87	$3.32
1770	30-Jun-13	15	6	$45.60	Yes	$48.87	$3.27
1771	30-Jun-13	15	7	$51.93	Yes	$48.87	($3.06)
1772	30-Jun-13	15	8	$50.85	Yes	$48.87	($1.98)
1773	30-Jun-13	15	9	$50.27	Yes	$48.87	($1.40)
1774	30-Jun-13	15	10	$48.80	Yes	$48.87	$0.07
1775	30-Jun-13	15	11	$49.72	Yes	$48.87	($0.85)
1776	30-Jun-13	15	12	$48.66	Yes	$48.87	$0.21
1777	30-Jun-13	16	1	$46.14	Yes	$48.87	$2.73
1778	30-Jun-13	16	2	$46.61	Yes	$48.87	$2.26
1779	30-Jun-13	16	3	$47.04	Yes	$48.87	$1.83
1780	30-Jun-13	16	4	$125.10	Yes	$48.87	($76.23)
1781	30-Jun-13	16	5	$97.85	Yes	$48.87	($48.98)
1782	30-Jun-13	16	6	$62.36	Yes	$48.87	($13.49)
1783	30-Jun-13	16	7	$46.04	Yes	$48.87	$2.83
1784	30-Jun-13	16	8	$46.44	Yes	$48.87	$2.43

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1785	30-Jun-13	16	9	$48.89	Yes	$48.87	($0.02)
1786	30-Jun-13	16	10	$50.47	Yes	$48.87	($1.60)
1787	30-Jun-13	16	11	$128.23	Yes	$48.87	($79.36)
1788	30-Jun-13	16	12	$54.47	Yes	$48.87	($5.60)
1789	30-Jun-13	17	1	$53.88	Yes	$48.87	($5.01)
1790	30-Jun-13	17	2	$53.25	Yes	$48.87	($4.38)
1791	30-Jun-13	17	3	$53.69	Yes	$48.87	($4.82)
1792	30-Jun-13	17	4	$128.67	Yes	$48.87	($79.80)
1793	30-Jun-13	17	5	$126.96	Yes	$48.87	($78.09)
1794	30-Jun-13	17	6	$128.15	Yes	$48.87	($79.28)
1795	30-Jun-13	17	7	$128.22	Yes	$48.87	($79.35)
1796	30-Jun-13	17	8	$128.22	Yes	$48.87	($79.35)
1797	30-Jun-13	17	9	$130.79	Yes	$48.87	($81.92)
1798	30-Jun-13	17	10	$130.50	Yes	$48.87	($81.63)
1799	30-Jun-13	17	11	$130.99	Yes	$48.87	($82.12)
1800	30-Jun-13	17	12	$130.52	Yes	$48.87	($81.65)
1801	30-Jun-13	18	1	$66.08	Yes	$48.87	($17.21)
1802	30-Jun-13	18	2	$67.55	Yes	$48.87	($18.68)
1803	30-Jun-13	18	3	$63.72	Yes	$48.87	($14.85)
1804	30-Jun-13	18	4	$52.49	Yes	$48.87	($3.62)
1805	30-Jun-13	18	5	$54.53	Yes	$48.87	($5.66)
1806	30-Jun-13	18	6	$50.27	Yes	$48.87	($1.40)
1807	30-Jun-13	18	7	$52.08	Yes	$48.87	($3.21)
1808	30-Jun-13	18	8	$51.81	Yes	$48.87	($2.94)
1809	30-Jun-13	18	9	$52.08	Yes	$48.87	($3.21)
1810	30-Jun-13	18	10	$52.12	Yes	$48.87	($3.25)
1811	30-Jun-13	18	11	$52.09	Yes	$48.87	($3.22)
1812	30-Jun-13	18	12	$51.85	Yes	$48.87	($2.98)
1813	30-Jun-13	19	1	$50.27	Yes	$48.87	($1.40)
1814	30-Jun-13	19	2	$50.27	Yes	$48.87	($1.40)
1815	30-Jun-13	19	3	$50.27	Yes	$48.87	($1.40)
1816	30-Jun-13	19	4	$50.27	Yes	$48.87	($1.40)
1817	30-Jun-13	19	5	$50.27	Yes	$48.87	($1.40)
1818	30-Jun-13	19	6	$50.27	Yes	$48.87	($1.40)
1819	30-Jun-13	19	7	$50.27	Yes	$48.87	($1.40)
1820	30-Jun-13	19	8	$50.27	Yes	$48.87	($1.40)
1821	30-Jun-13	19	9	$50.27	Yes	$48.87	($1.40)
1822	30-Jun-13	19	10	$50.26	Yes	$48.87	($1.39)

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1823	30-Jun-13	19	11	$50.26	Yes	$48.87	($1.39)
1824	30-Jun-13	19	12	$50.21	Yes	$48.87	($1.34)
1825	30-Jun-13	20	1	$48.19	Yes	$48.87	$0.68
1826	30-Jun-13	20	2	$47.34	Yes	$48.87	$1.53
1827	30-Jun-13	20	3	$48.02	Yes	$48.87	$0.85
1828	30-Jun-13	20	4	$47.14	Yes	$48.87	$1.73
1829	30-Jun-13	20	5	$47.72	Yes	$48.87	$1.15
1830	30-Jun-13	20	6	$46.97	Yes	$48.87	$1.90
1831	30-Jun-13	20	7	$47.93	Yes	$48.87	$0.94
1832	30-Jun-13	20	8	$47.46	Yes	$48.87	$1.41
1833	30-Jun-13	20	9	$47.30	Yes	$48.87	$1.57
1834	30-Jun-13	20	10	$47.03	Yes	$48.87	$1.84
1835	30-Jun-13	20	11	$43.61	Yes	$48.87	$5.26
1836	30-Jun-13	20	12	$43.61	Yes	$48.87	$5.26
1837	30-Jun-13	21	1	$44.91	Yes	$48.87	$3.96
1838	30-Jun-13	21	2	$44.91	Yes	$48.87	$3.96
1839	30-Jun-13	21	3	$45.52	Yes	$48.87	$3.35
1840	30-Jun-13	21	4	$44.57	Yes	$48.87	$4.30
1841	30-Jun-13	21	5	$45.15	Yes	$48.87	$3.72
1842	30-Jun-13	21	6	$45.15	Yes	$48.87	$3.72
1843	30-Jun-13	21	7	$44.60	Yes	$48.87	$4.27
1844	30-Jun-13	21	8	$45.85	Yes	$48.87	$3.02
1845	30-Jun-13	21	9	$45.55	Yes	$48.87	$3.32
1846	30-Jun-13	21	10	$46.54	Yes	$48.87	$2.33
1847	30-Jun-13	21	11	$44.09	Yes	$48.87	$4.78
1848	30-Jun-13	21	12	$44.43	Yes	$48.87	$4.44
1849	30-Jun-13	22	1	$47.47	Yes	$48.87	$1.40
1850	30-Jun-13	22	2	$50.26	Yes	$48.87	($1.39)
1851	30-Jun-13	22	3	$50.72	Yes	$48.87	($1.85)
1852	30-Jun-13	22	4	$48.29	Yes	$48.87	$0.58
1853	30-Jun-13	22	5	$48.20	Yes	$48.87	$0.67
1854	30-Jun-13	22	6	$47.75	Yes	$48.87	$1.12
1855	30-Jun-13	22	7	$50.26	Yes	$48.87	($1.39)
1856	30-Jun-13	22	8	$50.26	Yes	$48.87	($1.39)
1857	30-Jun-13	22	9	$45.17	Yes	$48.87	$3.70
1858	30-Jun-13	22	10	$41.31	Yes	$48.87	$7.56
1859	30-Jun-13	22	11	$41.37	Yes	$48.87	$7.50
1860	30-Jun-13	22	12	$37.97	Yes	$48.87	$10.90

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1861	30-Jun-13	23	1	$46.18	Yes	$48.87	$2.69
1862	30-Jun-13	23	2	$45.64	Yes	$48.87	$3.23
1863	30-Jun-13	23	3	$45.64	Yes	$48.87	$3.23
1864	30-Jun-13	23	4	$45.76	Yes	$48.87	$3.11
1865	30-Jun-13	23	5	$44.95	Yes	$48.87	$3.92
1866	30-Jun-13	23	6	$41.24	Yes	$48.87	$7.63
1867	30-Jun-13	23	7	$37.81	Yes	$48.87	$11.06
1868	30-Jun-13	23	8	$35.35	Yes	$48.87	$13.52
1869	30-Jun-13	23	9	$34.83	Yes	$48.87	$14.04
1870	30-Jun-13	23	10	$34.72	Yes	$48.87	$14.15
1871	30-Jun-13	23	11	$34.21	Yes	$48.87	$14.66
1872	30-Jun-13	23	12	$33.98	Yes	$48.87	$14.89
1873	30-Jun-13	24	1	$33.98	Yes	$48.87	$14.89
1874	30-Jun-13	24	2	$32.32	Yes	$48.87	$16.55
1875	30-Jun-13	24	3	$32.66	Yes	$48.87	$16.21
1876	30-Jun-13	24	4	$33.35	Yes	$48.87	$15.52
1877	30-Jun-13	24	5	$33.35	Yes	$48.87	$15.52
1878	30-Jun-13	24	6	$33.35	Yes	$48.87	$15.52
1879	30-Jun-13	24	7	$32.34	Yes	$48.87	$16.53
1880	30-Jun-13	24	8	$32.19	Yes	$48.87	$16.68
1881	30-Jun-13	24	9	$31.84	Yes	$48.87	$17.03
1882	30-Jun-13	24	10	$30.57	Yes	$48.87	$18.30
1883	30-Jun-13	24	11	$30.57	Yes	$48.87	$18.30
1884	30-Jun-13	24	12	$30.57	Yes	$48.87	$18.30

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	4-Jun-13	23	1	$36.60	Yes	$56.86	$20.26
2	4-Jun-13	23	2	$36.59	Yes	$56.86	$20.27
3	4-Jun-13	23	3	$36.33	Yes	$56.86	$20.53
4	4-Jun-13	23	4	$36.50	Yes	$56.86	$20.36
5	4-Jun-13	23	5	$36.23	Yes	$56.86	$20.63
6	4-Jun-13	23	6	$35.54	Yes	$56.86	$21.32
7	4-Jun-13	23	7	$35.45	Yes	$56.86	$21.41
8	4-Jun-13	23	8	$34.65	Yes	$56.86	$22.21
9	4-Jun-13	23	9	$32.55	Yes	$56.86	$24.31
10	4-Jun-13	23	10	$30.88	Yes	$56.86	$25.98
11	4-Jun-13	23	11	$30.88	Yes	$56.86	$25.98
12	4-Jun-13	23	12	$27.92	Yes	$56.86	$28.94
13	4-Jun-13	24	1	$35.21	Yes	$56.86	$21.65
14	4-Jun-13	24	2	$35.21	Yes	$56.86	$21.65
15	4-Jun-13	24	3	$34.69	Yes	$56.86	$22.17
16	4-Jun-13	24	4	$34.19	Yes	$56.86	$22.67
17	4-Jun-13	24	5	$33.90	Yes	$56.86	$22.96
18	4-Jun-13	24	6	$32.90	Yes	$56.86	$23.96
19	4-Jun-13	24	7	$33.14	Yes	$56.86	$23.72
20	4-Jun-13	24	8	$31.20	Yes	$56.86	$25.66
21	4-Jun-13	24	9	$13.96	Yes	$56.86	$42.90
22	4-Jun-13	24	10	$0.01	Yes	$56.86	$56.85
23	4-Jun-13	24	11	($31.22)	Yes	$56.86	$88.08
24	4-Jun-13	24	12	($32.59)	Yes	$56.86	$89.45
25	5-Jun-13	1	1	$27.18	Yes	$56.66	$29.48
26	5-Jun-13	1	2	$30.97	Yes	$56.66	$25.69
27	5-Jun-13	1	3	$32.57	Yes	$56.66	$24.09
28	5-Jun-13	1	4	$33.10	Yes	$56.66	$23.56
29	5-Jun-13	1	5	$33.10	Yes	$56.66	$23.56
30	5-Jun-13	1	6	$32.61	Yes	$56.66	$24.05
31	5-Jun-13	1	7	$31.68	Yes	$56.66	$24.98
32	5-Jun-13	1	8	$31.65	Yes	$56.66	$25.01
33	5-Jun-13	1	9	($0.50)	Yes	$56.66	$57.16
34	5-Jun-13	1	10	$0.01	Yes	$56.66	$56.65
35	5-Jun-13	1	11	$0.01	Yes	$56.66	$56.65
36	5-Jun-13	1	12	$25.91	Yes	$56.66	$30.75
37	5-Jun-13	2	1	$32.39	Yes	$56.66	$24.27
38	5-Jun-13	2	2	$33.16	Yes	$56.66	$23.50
39	5-Jun-13	2	3	$33.31	Yes	$56.66	$23.35
40	5-Jun-13	2	4	$32.36	Yes	$56.66	$24.30
41	5-Jun-13	2	5	$32.01	Yes	$56.66	$24.65
42	5-Jun-13	2	6	$30.94	Yes	$56.66	$25.72

43	5-Jun-13	2	7	$31.08	Yes	$56.66	$25.58
44	5-Jun-13	2	8	$26.87	Yes	$56.66	$29.79
45	5-Jun-13	2	9	$0.01	Yes	$56.66	$56.65
46	5-Jun-13	2	10	$0.01	Yes	$56.66	$56.65
47	5-Jun-13	2	11	$29.09	Yes	$56.66	$27.57
48	5-Jun-13	2	12	$32.41	Yes	$56.66	$24.25
49	5-Jun-13	3	1	$32.09	Yes	$56.66	$24.57
50	5-Jun-13	3	2	$32.44	Yes	$56.66	$24.22
51	5-Jun-13	3	3	$32.44	Yes	$56.66	$24.22
52	5-Jun-13	3	4	$32.45	Yes	$56.66	$24.21
53	5-Jun-13	3	5	$32.45	Yes	$56.66	$24.21
54	5-Jun-13	3	6	$32.11	Yes	$56.66	$24.55
55	5-Jun-13	3	7	$31.22	Yes	$56.66	$25.44
56	5-Jun-13	3	8	$31.22	Yes	$56.66	$25.44
57	5-Jun-13	3	9	$26.87	Yes	$56.66	$29.79
58	5-Jun-13	3	10	$0.01	Yes	$56.66	$56.65
59	5-Jun-13	3	11	$0.01	Yes	$56.66	$56.65
60	5-Jun-13	3	12	$0.01	Yes	$56.66	$56.65
61	5-Jun-13	4	1	$0.03	Yes	$56.66	$56.63
62	5-Jun-13	4	2	$0.03	Yes	$56.66	$56.63
63	5-Jun-13	4	3	$0.03	Yes	$56.66	$56.63
64	5-Jun-13	4	4	($0.13)	Yes	$56.66	$56.79
65	5-Jun-13	4	5	($0.13)	Yes	$56.66	$56.79
66	5-Jun-13	4	6	($0.13)	Yes	$56.66	$56.79
67	5-Jun-13	4	7	$32.36	Yes	$56.66	$24.30
68	5-Jun-13	4	8	$32.17	Yes	$56.66	$24.49
69	5-Jun-13	4	9	$32.36	Yes	$56.66	$24.30
70	5-Jun-13	4	10	$30.65	Yes	$56.66	$26.01
71	5-Jun-13	4	11	$30.65	Yes	$56.66	$26.01
72	5-Jun-13	4	12	$30.82	Yes	$56.66	$25.84
73	5-Jun-13	5	1	$33.12	Yes	$56.66	$23.54
74	5-Jun-13	5	2	$33.44	Yes	$56.66	$23.22
75	5-Jun-13	5	3	$33.49	Yes	$56.66	$23.17
76	5-Jun-13	5	4	$33.55	Yes	$56.66	$23.11
77	5-Jun-13	5	5	$33.83	Yes	$56.66	$22.83
78	5-Jun-13	5	6	$33.83	Yes	$56.66	$22.83
79	5-Jun-13	5	7	$34.63	Yes	$56.66	$22.03
80	5-Jun-13	5	8	$35.31	Yes	$56.66	$21.35
81	5-Jun-13	5	9	$35.42	Yes	$56.66	$21.24
82	5-Jun-13	5	10	$35.62	Yes	$56.66	$21.04
83	5-Jun-13	5	11	$35.51	Yes	$56.66	$21.15
84	5-Jun-13	5	12	$35.51	Yes	$56.66	$21.15
85	5-Jun-13	6	1	$33.39	Yes	$56.66	$23.27
86	5-Jun-13	6	2	$32.70	Yes	$56.66	$23.96
87	5-Jun-13	6	3	$31.73	Yes	$56.66	$24.93
88	5-Jun-13	6	4	$33.08	Yes	$56.66	$23.58

89	5-Jun-13	6	5	$33.30	Yes	$56.66	$23.36
90	5-Jun-13	6	6	$33.29	Yes	$56.66	$23.37
91	5-Jun-13	6	7	$33.22	Yes	$56.66	$23.44
92	5-Jun-13	6	8	$33.70	Yes	$56.66	$22.96
93	5-Jun-13	6	9	$33.62	Yes	$56.66	$23.04
94	5-Jun-13	6	10	$33.78	Yes	$56.66	$22.88
95	5-Jun-13	6	11	$33.34	Yes	$56.66	$23.32
96	5-Jun-13	6	12	$34.33	Yes	$56.66	$22.33
97	5-Jun-13	7	1	$0.01	Yes	$56.66	$56.65
98	5-Jun-13	7	2	$30.87	Yes	$56.66	$25.79
99	5-Jun-13	7	3	$32.91	Yes	$56.66	$23.75
100	5-Jun-13	7	4	$35.10	Yes	$56.66	$21.56
101	5-Jun-13	7	5	$35.46	Yes	$56.66	$21.20
102	5-Jun-13	7	6	$35.62	Yes	$56.66	$21.04
103	5-Jun-13	7	7	$36.00	Yes	$56.66	$20.66
104	5-Jun-13	7	8	$36.00	Yes	$56.66	$20.66
105	5-Jun-13	7	9	$37.52	Yes	$56.66	$19.14
106	5-Jun-13	7	10	$37.61	Yes	$56.66	$19.05
107	5-Jun-13	7	11	$37.82	Yes	$56.66	$18.84
108	5-Jun-13	7	12	$39.47	Yes	$56.66	$17.19
109	5-Jun-13	8	1	$35.50	Yes	$56.66	$21.16
110	5-Jun-13	8	2	$35.50	Yes	$56.66	$21.16
111	5-Jun-13	8	3	$35.73	Yes	$56.66	$20.93
112	5-Jun-13	8	4	$36.15	Yes	$56.66	$20.51
113	5-Jun-13	8	5	$36.57	Yes	$56.66	$20.09
114	5-Jun-13	8	6	$36.57	Yes	$56.66	$20.09
115	5-Jun-13	8	7	$37.02	Yes	$56.66	$19.64
116	5-Jun-13	8	8	$37.66	Yes	$56.66	$19.00
117	5-Jun-13	8	9	$37.66	Yes	$56.66	$19.00
118	5-Jun-13	8	10	$37.76	Yes	$56.66	$18.90
119	5-Jun-13	8	11	$37.76	Yes	$56.66	$18.90
120	5-Jun-13	8	12	$36.20	Yes	$56.66	$20.46
121	5-Jun-13	9	1	$34.84	Yes	$56.66	$21.82
122	5-Jun-13	9	2	$34.16	Yes	$56.66	$22.50
123	5-Jun-13	9	3	$34.16	Yes	$56.66	$22.50
124	5-Jun-13	9	4	$35.01	Yes	$56.66	$21.65
125	5-Jun-13	9	5	$34.02	Yes	$56.66	$22.64
126	5-Jun-13	9	6	$35.29	Yes	$56.66	$21.37
127	5-Jun-13	9	7	$35.27	Yes	$56.66	$21.39
128	5-Jun-13	9	8	$36.00	Yes	$56.66	$20.66
129	5-Jun-13	9	9	$36.00	Yes	$56.66	$20.66
130	5-Jun-13	9	10	$36.18	Yes	$56.66	$20.48
131	5-Jun-13	9	11	$36.18	Yes	$56.66	$20.48
132	5-Jun-13	9	12	$35.84	Yes	$56.66	$20.82
133	5-Jun-13	10	1	$21.66	Yes	$56.66	$35.00
134	5-Jun-13	10	2	$22.90	Yes	$56.66	$33.76

135	5-Jun-13	10	3	$21.66	Yes	$56.66	$35.00
136	5-Jun-13	10	4	$30.45	Yes	$56.66	$26.21
137	5-Jun-13	10	5	$33.86	Yes	$56.66	$22.80
138	5-Jun-13	10	6	$33.89	Yes	$56.66	$22.77
139	5-Jun-13	10	7	$33.70	Yes	$56.66	$22.96
140	5-Jun-13	10	8	$35.83	Yes	$56.66	$20.83
141	5-Jun-13	10	9	$35.83	Yes	$56.66	$20.83
142	5-Jun-13	10	10	$35.82	Yes	$56.66	$20.84
143	5-Jun-13	10	11	$35.82	Yes	$56.66	$20.84
144	5-Jun-13	10	12	$35.82	Yes	$56.66	$20.84
145	5-Jun-13	11	1	$35.81	Yes	$56.66	$20.85
146	5-Jun-13	11	2	$35.81	Yes	$56.66	$20.85
147	5-Jun-13	11	3	$35.81	Yes	$56.66	$20.85
148	5-Jun-13	11	4	$36.12	Yes	$56.66	$20.54
149	5-Jun-13	11	5	$36.12	Yes	$56.66	$20.54
150	5-Jun-13	11	6	$36.12	Yes	$56.66	$20.54
151	5-Jun-13	11	7	$36.03	Yes	$56.66	$20.63
152	5-Jun-13	11	8	$35.84	Yes	$56.66	$20.82
153	5-Jun-13	11	9	$35.84	Yes	$56.66	$20.82
154	5-Jun-13	11	10	$35.94	Yes	$56.66	$20.72
155	5-Jun-13	11	11	$36.11	Yes	$56.66	$20.55
156	5-Jun-13	11	12	$36.11	Yes	$56.66	$20.55
157	5-Jun-13	12	1	$35.61	Yes	$56.66	$21.05
158	5-Jun-13	12	2	$35.85	Yes	$56.66	$20.81
159	5-Jun-13	12	3	$35.98	Yes	$56.66	$20.68
160	5-Jun-13	12	4	$36.55	Yes	$56.66	$20.11
161	5-Jun-13	12	5	$36.54	Yes	$56.66	$20.12
162	5-Jun-13	12	6	$36.10	Yes	$56.66	$20.56
163	5-Jun-13	12	7	$35.77	Yes	$56.66	$20.89
164	5-Jun-13	12	8	$35.75	Yes	$56.66	$20.91
165	5-Jun-13	12	9	$35.24	Yes	$56.66	$21.42
166	5-Jun-13	12	10	$35.22	Yes	$56.66	$21.44
167	5-Jun-13	12	11	$35.52	Yes	$56.66	$21.14
168	5-Jun-13	12	12	$35.52	Yes	$56.66	$21.14
169	5-Jun-13	13	1	$29.80	Yes	$56.66	$26.86
170	5-Jun-13	13	2	$33.04	Yes	$56.66	$23.62
171	5-Jun-13	13	3	$33.04	Yes	$56.66	$23.62
172	5-Jun-13	13	4	$34.06	Yes	$56.66	$22.60
173	5-Jun-13	13	5	$34.44	Yes	$56.66	$22.22
174	5-Jun-13	13	6	$35.53	Yes	$56.66	$21.13
175	5-Jun-13	13	7	$35.51	Yes	$56.66	$21.15
176	5-Jun-13	13	8	$35.46	Yes	$56.66	$21.20
177	5-Jun-13	13	9	$35.51	Yes	$56.66	$21.15
178	5-Jun-13	13	10	$35.40	Yes	$56.66	$21.26
179	5-Jun-13	13	11	$35.52	Yes	$56.66	$21.14
180	5-Jun-13	13	12	$34.61	Yes	$56.66	$22.05

181	5-Jun-13	14	1	$33.32	Yes	$56.66	$23.34
182	5-Jun-13	14	2	$34.36	Yes	$56.66	$22.30
183	5-Jun-13	14	3	$34.44	Yes	$56.66	$22.22
184	5-Jun-13	14	4	$34.61	Yes	$56.66	$22.05
185	5-Jun-13	14	5	$35.13	Yes	$56.66	$21.53
186	5-Jun-13	14	6	$35.39	Yes	$56.66	$21.27
187	5-Jun-13	14	7	$36.08	Yes	$56.66	$20.58
188	5-Jun-13	14	8	$35.81	Yes	$56.66	$20.85
189	5-Jun-13	14	9	$35.59	Yes	$56.66	$21.07
190	5-Jun-13	14	10	$36.02	Yes	$56.66	$20.64
191	5-Jun-13	14	11	$36.08	Yes	$56.66	$20.58
192	5-Jun-13	14	12	$38.04	Yes	$56.66	$18.62
193	5-Jun-13	15	1	$36.48	Yes	$56.66	$20.18
194	5-Jun-13	15	2	$36.21	Yes	$56.66	$20.45
195	5-Jun-13	15	3	$35.94	Yes	$56.66	$20.72
196	5-Jun-13	15	4	$35.79	Yes	$56.66	$20.87
197	5-Jun-13	15	5	$36.06	Yes	$56.66	$20.60
198	5-Jun-13	15	6	$36.07	Yes	$56.66	$20.59
199	5-Jun-13	15	7	$35.84	Yes	$56.66	$20.82
200	5-Jun-13	15	8	$36.11	Yes	$56.66	$20.55
201	5-Jun-13	15	9	$37.22	Yes	$56.66	$19.44
202	5-Jun-13	15	10	$37.50	Yes	$56.66	$19.16
203	5-Jun-13	15	11	$37.90	Yes	$56.66	$18.76
204	5-Jun-13	15	12	$37.36	Yes	$56.66	$19.30
205	5-Jun-13	16	1	$36.27	Yes	$56.66	$20.39
206	5-Jun-13	16	2	$36.11	Yes	$56.66	$20.55
207	5-Jun-13	16	3	$35.72	Yes	$56.66	$20.94
208	5-Jun-13	16	4	$36.00	Yes	$56.66	$20.66
209	5-Jun-13	16	5	$36.00	Yes	$56.66	$20.66
210	5-Jun-13	16	6	$36.00	Yes	$56.66	$20.66
211	5-Jun-13	16	7	$35.98	Yes	$56.66	$20.68
212	5-Jun-13	16	8	$35.97	Yes	$56.66	$20.69
213	5-Jun-13	16	9	$35.97	Yes	$56.66	$20.69
214	5-Jun-13	16	10	$36.30	Yes	$56.66	$20.36
215	5-Jun-13	16	11	$36.04	Yes	$56.66	$20.62
216	5-Jun-13	16	12	$36.03	Yes	$56.66	$20.63
217	5-Jun-13	17	1	$35.19	Yes	$56.66	$21.47
218	5-Jun-13	17	2	$34.63	Yes	$56.66	$22.03
219	5-Jun-13	17	3	$34.59	Yes	$56.66	$22.07
220	5-Jun-13	17	4	$31.90	Yes	$56.66	$24.76
221	5-Jun-13	17	5	$31.36	Yes	$56.66	$25.30
222	5-Jun-13	17	6	$33.53	Yes	$56.66	$23.13
223	5-Jun-13	17	7	$31.84	Yes	$56.66	$24.82
224	5-Jun-13	17	8	$31.34	Yes	$56.66	$25.32
225	5-Jun-13	17	9	$31.34	Yes	$56.66	$25.32
226	5-Jun-13	17	10	$31.83	Yes	$56.66	$24.83

227	5-Jun-13	17	11	$31.83	Yes	$56.66	$24.83
228	5-Jun-13	17	12	$31.20	Yes	$56.66	$25.46
229	5-Jun-13	18	1	$32.88	Yes	$56.66	$23.78
230	5-Jun-13	18	2	$33.57	Yes	$56.66	$23.09
231	5-Jun-13	18	3	$33.57	Yes	$56.66	$23.09
232	5-Jun-13	18	4	$33.63	Yes	$56.66	$23.03
233	5-Jun-13	18	5	$33.63	Yes	$56.66	$23.03
234	5-Jun-13	18	6	$31.97	Yes	$56.66	$24.69
235	5-Jun-13	18	7	$33.23	Yes	$56.66	$23.43
236	5-Jun-13	18	8	$31.69	Yes	$56.66	$24.97
237	5-Jun-13	18	9	$31.83	Yes	$56.66	$24.83
238	5-Jun-13	18	10	$31.72	Yes	$56.66	$24.94
239	5-Jun-13	18	11	$30.90	Yes	$56.66	$25.76
240	5-Jun-13	18	12	$31.72	Yes	$56.66	$24.94
241	5-Jun-13	19	1	$34.49	Yes	$56.66	$22.17
242	5-Jun-13	19	2	$34.15	Yes	$56.66	$22.51
243	5-Jun-13	19	3	$35.47	Yes	$56.66	$21.19
244	5-Jun-13	19	4	$35.51	Yes	$56.66	$21.15
245	5-Jun-13	19	5	$35.38	Yes	$56.66	$21.28
246	5-Jun-13	19	6	$35.51	Yes	$56.66	$21.15
247	5-Jun-13	19	7	$36.12	Yes	$56.66	$20.54
248	5-Jun-13	19	8	$35.89	Yes	$56.66	$20.77
249	5-Jun-13	19	9	$35.75	Yes	$56.66	$20.91
250	5-Jun-13	19	10	$35.94	Yes	$56.66	$20.72
251	5-Jun-13	19	11	$35.92	Yes	$56.66	$20.74
252	5-Jun-13	19	12	$35.51	Yes	$56.66	$21.15
253	5-Jun-13	20	1	$34.91	Yes	$56.66	$21.75
254	5-Jun-13	20	2	$34.96	Yes	$56.66	$21.70
255	5-Jun-13	20	3	$34.91	Yes	$56.66	$21.75
256	5-Jun-13	20	4	$34.83	Yes	$56.66	$21.83
257	5-Jun-13	20	5	$33.62	Yes	$56.66	$23.04
258	5-Jun-13	20	6	$33.48	Yes	$56.66	$23.18
259	5-Jun-13	20	7	$34.22	Yes	$56.66	$22.44
260	5-Jun-13	20	8	$34.22	Yes	$56.66	$22.44
261	5-Jun-13	20	9	$33.97	Yes	$56.66	$22.69
262	5-Jun-13	20	10	$34.29	Yes	$56.66	$22.37
263	5-Jun-13	20	11	$34.12	Yes	$56.66	$22.54
264	5-Jun-13	20	12	$34.12	Yes	$56.66	$22.54
265	5-Jun-13	21	1	$33.94	Yes	$56.66	$22.72
266	5-Jun-13	21	2	$34.24	Yes	$56.66	$22.42
267	5-Jun-13	21	3	$34.86	Yes	$56.66	$21.80
268	5-Jun-13	21	4	$34.97	Yes	$56.66	$21.69
269	5-Jun-13	21	5	$35.68	Yes	$56.66	$20.98
270	5-Jun-13	21	6	$35.68	Yes	$56.66	$20.98
271	5-Jun-13	21	7	$34.64	Yes	$56.66	$22.02
272	5-Jun-13	21	8	$34.64	Yes	$56.66	$22.02

273	5-Jun-13	21	9	$35.00	Yes	$56.66	$21.66
274	5-Jun-13	21	10	$35.34	Yes	$56.66	$21.32
275	5-Jun-13	21	11	$35.75	Yes	$56.66	$20.91
276	5-Jun-13	21	12	$35.08	Yes	$56.66	$21.58
277	5-Jun-13	22	1	$35.96	Yes	$56.66	$20.70
278	5-Jun-13	22	2	$36.73	Yes	$56.66	$19.93
279	5-Jun-13	22	3	$36.19	Yes	$56.66	$20.47
280	5-Jun-13	22	4	$36.63	Yes	$56.66	$20.03
281	5-Jun-13	22	5	$36.07	Yes	$56.66	$20.59
282	5-Jun-13	22	6	$36.07	Yes	$56.66	$20.59
283	5-Jun-13	22	7	$35.45	Yes	$56.66	$21.21
284	5-Jun-13	22	8	$35.45	Yes	$56.66	$21.21
285	5-Jun-13	22	9	$35.45	Yes	$56.66	$21.21
286	5-Jun-13	22	10	$34.54	Yes	$56.66	$22.12
287	5-Jun-13	22	11	$33.77	Yes	$56.66	$22.89
288	5-Jun-13	22	12	$27.25	Yes	$56.66	$29.41
289	5-Jun-13	23	1	$35.96	Yes	$56.66	$20.70
290	5-Jun-13	23	2	$35.35	Yes	$56.66	$21.31
291	5-Jun-13	23	3	$35.96	Yes	$56.66	$20.70
292	5-Jun-13	23	4	$35.06	Yes	$56.66	$21.60
293	5-Jun-13	23	5	$33.98	Yes	$56.66	$22.68
294	5-Jun-13	23	6	$34.51	Yes	$56.66	$22.15
295	5-Jun-13	23	7	$34.34	Yes	$56.66	$22.32
296	5-Jun-13	23	8	$33.81	Yes	$56.66	$22.85
297	5-Jun-13	23	9	$26.26	Yes	$56.66	$30.40
298	5-Jun-13	23	10	$23.93	Yes	$56.66	$32.73
299	5-Jun-13	23	11	$22.74	Yes	$56.66	$33.92
300	5-Jun-13	23	12	$21.54	Yes	$56.66	$35.12
301	5-Jun-13	24	1	$33.23	Yes	$56.66	$23.43
302	5-Jun-13	24	2	$33.23	Yes	$56.66	$23.43
303	5-Jun-13	24	3	$33.23	Yes	$56.66	$23.43
304	5-Jun-13	24	4	$33.16	Yes	$56.66	$23.50
305	5-Jun-13	24	5	$33.16	Yes	$56.66	$23.50
306	5-Jun-13	24	6	$33.79	Yes	$56.66	$22.87
307	5-Jun-13	24	7	$33.65	Yes	$56.66	$23.01
308	5-Jun-13	24	8	$33.02	Yes	$56.66	$23.64
309	5-Jun-13	24	9	$33.39	Yes	$56.66	$23.27
310	5-Jun-13	24	10	$26.38	Yes	$56.66	$30.28
311	5-Jun-13	24	11	$26.38	Yes	$56.66	$30.28
312	5-Jun-13	24	12	$15.35	Yes	$56.66	$41.31
313	6-Jun-13	1	1	$35.31	Yes	$56.16	$20.85
314	6-Jun-13	1	2	$33.42	Yes	$56.16	$22.74
315	6-Jun-13	1	3	$35.31	Yes	$56.16	$20.85
316	6-Jun-13	1	4	$32.93	Yes	$56.16	$23.23
317	6-Jun-13	1	5	$32.93	Yes	$56.16	$23.23
318	6-Jun-13	1	6	$32.50	Yes	$56.16	$23.66

319	6-Jun-13	1	7	$31.99	Yes	$56.16	$24.17
320	6-Jun-13	1	8	$30.19	Yes	$56.16	$25.97
321	6-Jun-13	1	9	$26.38	Yes	$56.16	$29.78
322	6-Jun-13	1	10	$26.13	Yes	$56.16	$30.03
323	6-Jun-13	1	11	$26.13	Yes	$56.16	$30.03
324	6-Jun-13	1	12	$22.68	Yes	$56.16	$33.48
325	6-Jun-13	2	1	$23.64	Yes	$56.16	$32.52
326	6-Jun-13	2	2	$26.09	Yes	$56.16	$30.07
327	6-Jun-13	2	3	$32.11	Yes	$56.16	$24.05
328	6-Jun-13	2	4	$32.13	Yes	$56.16	$24.03
329	6-Jun-13	2	5	$32.34	Yes	$56.16	$23.82
330	6-Jun-13	2	6	$30.02	Yes	$56.16	$26.14
331	6-Jun-13	2	7	$25.86	Yes	$56.16	$30.30
332	6-Jun-13	2	8	$25.83	Yes	$56.16	$30.33
333	6-Jun-13	2	9	$22.53	Yes	$56.16	$33.63
334	6-Jun-13	2	10	$20.76	Yes	$56.16	$35.40
335	6-Jun-13	2	11	$20.73	Yes	$56.16	$35.43
336	6-Jun-13	2	12	$22.50	Yes	$56.16	$33.66
337	6-Jun-13	3	1	$31.30	Yes	$56.16	$24.86
338	6-Jun-13	3	2	$32.15	Yes	$56.16	$24.01
339	6-Jun-13	3	3	$32.97	Yes	$56.16	$23.19
340	6-Jun-13	3	4	$32.67	Yes	$56.16	$23.49
341	6-Jun-13	3	5	$32.25	Yes	$56.16	$23.91
342	6-Jun-13	3	6	$32.15	Yes	$56.16	$24.01
343	6-Jun-13	3	7	$26.00	Yes	$56.16	$30.16
344	6-Jun-13	3	8	$26.16	Yes	$56.16	$30.00
345	6-Jun-13	3	9	$26.03	Yes	$56.16	$30.13
346	6-Jun-13	3	10	$25.90	Yes	$56.16	$30.26
347	6-Jun-13	3	11	$25.90	Yes	$56.16	$30.26
348	6-Jun-13	3	12	$25.90	Yes	$56.16	$30.26
349	6-Jun-13	4	1	$32.20	Yes	$56.16	$23.96
350	6-Jun-13	4	2	$31.31	Yes	$56.16	$24.85
351	6-Jun-13	4	3	$32.20	Yes	$56.16	$23.96
352	6-Jun-13	4	4	$32.27	Yes	$56.16	$23.89
353	6-Jun-13	4	5	$32.42	Yes	$56.16	$23.74
354	6-Jun-13	4	6	$32.42	Yes	$56.16	$23.74
355	6-Jun-13	4	7	$32.40	Yes	$56.16	$23.76
356	6-Jun-13	4	8	$32.43	Yes	$56.16	$23.73
357	6-Jun-13	4	9	$32.22	Yes	$56.16	$23.94
358	6-Jun-13	4	10	$31.32	Yes	$56.16	$24.84
359	6-Jun-13	4	11	$31.32	Yes	$56.16	$24.84
360	6-Jun-13	4	12	$31.01	Yes	$56.16	$25.15
361	6-Jun-13	5	1	$25.61	Yes	$56.16	$30.55
362	6-Jun-13	5	2	$13.20	Yes	$56.16	$42.96
363	6-Jun-13	5	3	$10.97	Yes	$56.16	$45.19
364	6-Jun-13	5	4	$13.39	Yes	$56.16	$42.77

365	6-Jun-13	5	5	$13.39	Yes	$56.16	$42.77
366	6-Jun-13	5	6	$13.39	Yes	$56.16	$42.77
367	6-Jun-13	5	7	$13.61	Yes	$56.16	$42.55
368	6-Jun-13	5	8	$16.11	Yes	$56.16	$40.05
369	6-Jun-13	5	9	$16.12	Yes	$56.16	$40.04
370	6-Jun-13	5	10	$30.18	Yes	$56.16	$25.98
371	6-Jun-13	5	11	$30.18	Yes	$56.16	$25.98
372	6-Jun-13	5	12	$30.18	Yes	$56.16	$25.98
373	6-Jun-13	6	1	$26.19	Yes	$56.16	$29.97
374	6-Jun-13	6	2	$21.04	Yes	$56.16	$35.12
375	6-Jun-13	6	3	$0.01	Yes	$56.16	$56.15
376	6-Jun-13	6	4	$21.17	Yes	$56.16	$34.99
377	6-Jun-13	6	5	$26.34	Yes	$56.16	$29.82
378	6-Jun-13	6	6	$32.35	Yes	$56.16	$23.81
379	6-Jun-13	6	7	$33.43	Yes	$56.16	$22.73
380	6-Jun-13	6	8	$33.43	Yes	$56.16	$22.73
381	6-Jun-13	6	9	$33.62	Yes	$56.16	$22.54
382	6-Jun-13	6	10	$34.70	Yes	$56.16	$21.46
383	6-Jun-13	6	11	$35.36	Yes	$56.16	$20.80
384	6-Jun-13	6	12	$38.58	Yes	$56.16	$17.58
385	6-Jun-13	7	1	$32.53	Yes	$56.16	$23.63
386	6-Jun-13	7	2	$33.26	Yes	$56.16	$22.90
387	6-Jun-13	7	3	$33.82	Yes	$56.16	$22.34
388	6-Jun-13	7	4	$34.37	Yes	$56.16	$21.79
389	6-Jun-13	7	5	$35.67	Yes	$56.16	$20.49
390	6-Jun-13	7	6	$36.75	Yes	$56.16	$19.41
391	6-Jun-13	7	7	$38.94	Yes	$56.16	$17.22
392	6-Jun-13	7	8	$39.09	Yes	$56.16	$17.07
393	6-Jun-13	7	9	$41.67	Yes	$56.16	$14.49
394	6-Jun-13	7	10	$37.30	Yes	$56.16	$18.86
395	6-Jun-13	7	11	$39.72	Yes	$56.16	$16.44
396	6-Jun-13	7	12	$39.10	Yes	$56.16	$17.06
397	6-Jun-13	8	1	$35.60	Yes	$56.16	$20.56
398	6-Jun-13	8	2	$35.60	Yes	$56.16	$20.56
399	6-Jun-13	8	3	$35.60	Yes	$56.16	$20.56
400	6-Jun-13	8	4	$35.55	Yes	$56.16	$20.61
401	6-Jun-13	8	5	$35.93	Yes	$56.16	$20.23
402	6-Jun-13	8	6	$36.35	Yes	$56.16	$19.81
403	6-Jun-13	8	7	$36.36	Yes	$56.16	$19.80
404	6-Jun-13	8	8	$37.20	Yes	$56.16	$18.96
405	6-Jun-13	8	9	$37.20	Yes	$56.16	$18.96
406	6-Jun-13	8	10	$37.78	Yes	$56.16	$18.38
407	6-Jun-13	8	11	$37.70	Yes	$56.16	$18.46
408	6-Jun-13	8	12	$37.64	Yes	$56.16	$18.52
409	6-Jun-13	9	1	$27.51	Yes	$56.16	$28.65
410	6-Jun-13	9	2	$27.51	Yes	$56.16	$28.65

411	6-Jun-13	9	3	$29.43	Yes	$56.16	$26.73
412	6-Jun-13	9	4	$30.77	Yes	$56.16	$25.39
413	6-Jun-13	9	5	$32.71	Yes	$56.16	$23.45
414	6-Jun-13	9	6	$30.77	Yes	$56.16	$25.39
415	6-Jun-13	9	7	$33.26	Yes	$56.16	$22.90
416	6-Jun-13	9	8	$33.26	Yes	$56.16	$22.90
417	6-Jun-13	9	9	$33.98	Yes	$56.16	$22.18
418	6-Jun-13	9	10	$34.04	Yes	$56.16	$22.12
419	6-Jun-13	9	11	$34.04	Yes	$56.16	$22.12
420	6-Jun-13	9	12	$34.04	Yes	$56.16	$22.12
421	6-Jun-13	10	1	$34.08	Yes	$56.16	$22.08
422	6-Jun-13	10	2	$33.06	Yes	$56.16	$23.10
423	6-Jun-13	10	3	$33.06	Yes	$56.16	$23.10
424	6-Jun-13	10	4	$33.08	Yes	$56.16	$23.08
425	6-Jun-13	10	5	$33.76	Yes	$56.16	$22.40
426	6-Jun-13	10	6	$33.35	Yes	$56.16	$22.81
427	6-Jun-13	10	7	$33.96	Yes	$56.16	$22.20
428	6-Jun-13	10	8	$33.03	Yes	$56.16	$23.13
429	6-Jun-13	10	9	$33.18	Yes	$56.16	$22.98
430	6-Jun-13	10	10	$33.37	Yes	$56.16	$22.79
431	6-Jun-13	10	11	$34.49	Yes	$56.16	$21.67
432	6-Jun-13	10	12	$33.54	Yes	$56.16	$22.62
433	6-Jun-13	11	1	$33.00	Yes	$56.16	$23.16
434	6-Jun-13	11	2	$33.00	Yes	$56.16	$23.16
435	6-Jun-13	11	3	$33.18	Yes	$56.16	$22.98
436	6-Jun-13	11	4	$33.36	Yes	$56.16	$22.80
437	6-Jun-13	11	5	$33.36	Yes	$56.16	$22.80
438	6-Jun-13	11	6	$33.36	Yes	$56.16	$22.80
439	6-Jun-13	11	7	$34.20	Yes	$56.16	$21.96
440	6-Jun-13	11	8	$33.37	Yes	$56.16	$22.79
441	6-Jun-13	11	9	$33.63	Yes	$56.16	$22.53
442	6-Jun-13	11	10	$33.75	Yes	$56.16	$22.41
443	6-Jun-13	11	11	$33.79	Yes	$56.16	$22.37
444	6-Jun-13	11	12	$33.75	Yes	$56.16	$22.41
445	6-Jun-13	12	1	$31.94	Yes	$56.16	$24.22
446	6-Jun-13	12	2	$33.50	Yes	$56.16	$22.66
447	6-Jun-13	12	3	$33.39	Yes	$56.16	$22.77
448	6-Jun-13	12	4	$33.07	Yes	$56.16	$23.09
449	6-Jun-13	12	5	$32.77	Yes	$56.16	$23.39
450	6-Jun-13	12	6	$33.07	Yes	$56.16	$23.09
451	6-Jun-13	12	7	$33.75	Yes	$56.16	$22.41
452	6-Jun-13	12	8	$33.75	Yes	$56.16	$22.41
453	6-Jun-13	12	9	$33.41	Yes	$56.16	$22.75
454	6-Jun-13	12	10	$33.05	Yes	$56.16	$23.11
455	6-Jun-13	12	11	$33.48	Yes	$56.16	$22.68
456	6-Jun-13	12	12	$33.59	Yes	$56.16	$22.57

457	6-Jun-13	13	1	$31.84	Yes	$56.16	$24.32
458	6-Jun-13	13	2	$30.11	Yes	$56.16	$26.05
459	6-Jun-13	13	3	$28.99	Yes	$56.16	$27.17
460	6-Jun-13	13	4	$33.32	Yes	$56.16	$22.84
461	6-Jun-13	13	5	$34.05	Yes	$56.16	$22.11
462	6-Jun-13	13	6	$34.32	Yes	$56.16	$21.84
463	6-Jun-13	13	7	$34.50	Yes	$56.16	$21.66
464	6-Jun-13	13	8	$35.03	Yes	$56.16	$21.13
465	6-Jun-13	13	9	$35.03	Yes	$56.16	$21.13
466	6-Jun-13	13	10	$35.22	Yes	$56.16	$20.94
467	6-Jun-13	13	11	$35.48	Yes	$56.16	$20.68
468	6-Jun-13	13	12	$35.74	Yes	$56.16	$20.42
469	6-Jun-13	14	1	$34.46	Yes	$56.16	$21.70
470	6-Jun-13	14	2	$35.07	Yes	$56.16	$21.09
471	6-Jun-13	14	3	$35.61	Yes	$56.16	$20.55
472	6-Jun-13	14	4	$34.24	Yes	$56.16	$21.92
473	6-Jun-13	14	5	$34.60	Yes	$56.16	$21.56
474	6-Jun-13	14	6	$34.54	Yes	$56.16	$21.62
475	6-Jun-13	14	7	$34.77	Yes	$56.16	$21.39
476	6-Jun-13	14	8	$35.02	Yes	$56.16	$21.14
477	6-Jun-13	14	9	$35.20	Yes	$56.16	$20.96
478	6-Jun-13	14	10	$34.99	Yes	$56.16	$21.17
479	6-Jun-13	14	11	$35.25	Yes	$56.16	$20.91
480	6-Jun-13	14	12	$34.78	Yes	$56.16	$21.38
481	6-Jun-13	15	1	$34.67	Yes	$56.16	$21.49
482	6-Jun-13	15	2	$34.50	Yes	$56.16	$21.66
483	6-Jun-13	15	3	$34.76	Yes	$56.16	$21.40
484	6-Jun-13	15	4	$34.27	Yes	$56.16	$21.89
485	6-Jun-13	15	5	$34.43	Yes	$56.16	$21.73
486	6-Jun-13	15	6	$34.69	Yes	$56.16	$21.47
487	6-Jun-13	15	7	$34.83	Yes	$56.16	$21.33
488	6-Jun-13	15	8	$34.88	Yes	$56.16	$21.28
489	6-Jun-13	15	9	$36.74	Yes	$56.16	$19.42
490	6-Jun-13	15	10	$35.69	Yes	$56.16	$20.47
491	6-Jun-13	15	11	$36.58	Yes	$56.16	$19.58
492	6-Jun-13	15	12	$36.60	Yes	$56.16	$19.56
493	6-Jun-13	16	1	$34.14	Yes	$56.16	$22.02
494	6-Jun-13	16	2	$34.66	Yes	$56.16	$21.50
495	6-Jun-13	16	3	$34.66	Yes	$56.16	$21.50
496	6-Jun-13	16	4	$34.80	Yes	$56.16	$21.36
497	6-Jun-13	16	5	$34.70	Yes	$56.16	$21.46
498	6-Jun-13	16	6	$35.20	Yes	$56.16	$20.96
499	6-Jun-13	16	7	$35.41	Yes	$56.16	$20.75
500	6-Jun-13	16	8	$35.22	Yes	$56.16	$20.94
501	6-Jun-13	16	9	$34.96	Yes	$56.16	$21.20
502	6-Jun-13	16	10	$35.13	Yes	$56.16	$21.03

503	6-Jun-13	16	11	$35.57	Yes	$56.16	$20.59
504	6-Jun-13	16	12	$35.54	Yes	$56.16	$20.62
505	6-Jun-13	17	1	$35.55	Yes	$56.16	$20.61
506	6-Jun-13	17	2	$35.55	Yes	$56.16	$20.61
507	6-Jun-13	17	3	$35.55	Yes	$56.16	$20.61
508	6-Jun-13	17	4	$35.64	Yes	$56.16	$20.52
509	6-Jun-13	17	5	$35.64	Yes	$56.16	$20.52
510	6-Jun-13	17	6	$35.64	Yes	$56.16	$20.52
511	6-Jun-13	17	7	$35.50	Yes	$56.16	$20.66
512	6-Jun-13	17	8	$35.50	Yes	$56.16	$20.66
513	6-Jun-13	17	9	$35.50	Yes	$56.16	$20.66
514	6-Jun-13	17	10	$35.56	Yes	$56.16	$20.60
515	6-Jun-13	17	11	$35.56	Yes	$56.16	$20.60
516	6-Jun-13	17	12	$35.43	Yes	$56.16	$20.73
517	6-Jun-13	18	1	$35.60	Yes	$56.16	$20.56
518	6-Jun-13	18	2	$35.60	Yes	$56.16	$20.56
519	6-Jun-13	18	3	$35.60	Yes	$56.16	$20.56
520	6-Jun-13	18	4	$35.59	Yes	$56.16	$20.57
521	6-Jun-13	18	5	$35.59	Yes	$56.16	$20.57
522	6-Jun-13	18	6	$35.48	Yes	$56.16	$20.68
523	6-Jun-13	18	7	$35.56	Yes	$56.16	$20.60
524	6-Jun-13	18	8	$35.56	Yes	$56.16	$20.60
525	6-Jun-13	18	9	$35.56	Yes	$56.16	$20.60
526	6-Jun-13	18	10	$35.53	Yes	$56.16	$20.63
527	6-Jun-13	18	11	$35.49	Yes	$56.16	$20.67
528	6-Jun-13	18	12	$35.75	Yes	$56.16	$20.41
529	6-Jun-13	19	1	$36.42	Yes	$56.16	$19.74
530	6-Jun-13	19	2	$36.67	Yes	$56.16	$19.49
531	6-Jun-13	19	3	$36.66	Yes	$56.16	$19.50
532	6-Jun-13	19	4	$36.28	Yes	$56.16	$19.88
533	6-Jun-13	19	5	$36.27	Yes	$56.16	$19.89
534	6-Jun-13	19	6	$36.18	Yes	$56.16	$19.98
535	6-Jun-13	19	7	$36.27	Yes	$56.16	$19.89
536	6-Jun-13	19	8	$36.62	Yes	$56.16	$19.54
537	6-Jun-13	19	9	$36.71	Yes	$56.16	$19.45
538	6-Jun-13	19	10	$36.14	Yes	$56.16	$20.02
539	6-Jun-13	19	11	$36.41	Yes	$56.16	$19.75
540	6-Jun-13	19	12	$35.95	Yes	$56.16	$20.21
541	6-Jun-13	20	1	$36.11	Yes	$56.16	$20.05
542	6-Jun-13	20	2	$35.44	Yes	$56.16	$20.72
543	6-Jun-13	20	3	$35.44	Yes	$56.16	$20.72
544	6-Jun-13	20	4	$35.35	Yes	$56.16	$20.81
545	6-Jun-13	20	5	$35.07	Yes	$56.16	$21.09
546	6-Jun-13	20	6	$34.73	Yes	$56.16	$21.43
547	6-Jun-13	20	7	$35.12	Yes	$56.16	$21.04
548	6-Jun-13	20	8	$34.88	Yes	$56.16	$21.28

549	6-Jun-13	20	9	$35.12	Yes	$56.16	$21.04
550	6-Jun-13	20	10	$35.03	Yes	$56.16	$21.13
551	6-Jun-13	20	11	$35.03	Yes	$56.16	$21.13
552	6-Jun-13	20	12	$34.55	Yes	$56.16	$21.61
553	6-Jun-13	21	1	$34.53	Yes	$56.16	$21.63
554	6-Jun-13	21	2	$35.14	Yes	$56.16	$21.02
555	6-Jun-13	21	3	$35.41	Yes	$56.16	$20.75
556	6-Jun-13	21	4	$36.09	Yes	$56.16	$20.07
557	6-Jun-13	21	5	$36.37	Yes	$56.16	$19.79
558	6-Jun-13	21	6	$37.00	Yes	$56.16	$19.16
559	6-Jun-13	21	7	$37.23	Yes	$56.16	$18.93
560	6-Jun-13	21	8	$37.30	Yes	$56.16	$18.86
561	6-Jun-13	21	9	$37.23	Yes	$56.16	$18.93
562	6-Jun-13	21	10	$36.47	Yes	$56.16	$19.69
563	6-Jun-13	21	11	$36.11	Yes	$56.16	$20.05
564	6-Jun-13	21	12	$35.80	Yes	$56.16	$20.36
565	6-Jun-13	22	1	$35.71	Yes	$56.16	$20.45
566	6-Jun-13	22	2	$35.71	Yes	$56.16	$20.45
567	6-Jun-13	22	3	$35.71	Yes	$56.16	$20.45
568	6-Jun-13	22	4	$35.52	Yes	$56.16	$20.64
569	6-Jun-13	22	5	$35.44	Yes	$56.16	$20.72
570	6-Jun-13	22	6	$35.09	Yes	$56.16	$21.07
571	6-Jun-13	22	7	$33.63	Yes	$56.16	$22.53
572	6-Jun-13	22	8	$32.26	Yes	$56.16	$23.90
573	6-Jun-13	22	9	$32.65	Yes	$56.16	$23.51
574	6-Jun-13	22	10	$28.46	Yes	$56.16	$27.70
575	6-Jun-13	22	11	$28.44	Yes	$56.16	$27.72
576	6-Jun-13	22	12	$4.71	Yes	$56.16	$51.45
577	6-Jun-13	23	1	$29.38	Yes	$56.16	$26.78
578	6-Jun-13	23	2	$33.17	Yes	$56.16	$22.99
579	6-Jun-13	23	3	$34.75	Yes	$56.16	$21.41
580	6-Jun-13	23	4	$34.08	Yes	$56.16	$22.08
581	6-Jun-13	23	5	$29.33	Yes	$56.16	$26.83
582	6-Jun-13	23	6	$30.46	Yes	$56.16	$25.70
583	6-Jun-13	23	7	$29.00	Yes	$56.16	$27.16
584	6-Jun-13	23	8	$21.84	Yes	$56.16	$34.32
585	6-Jun-13	23	9	$16.96	Yes	$56.16	$39.20
586	6-Jun-13	23	10	$15.93	Yes	$56.16	$40.23
587	6-Jun-13	23	11	$14.75	Yes	$56.16	$41.41
588	6-Jun-13	23	12	$4.42	Yes	$56.16	$51.74
589	6-Jun-13	24	1	$19.91	Yes	$56.16	$36.25
590	6-Jun-13	24	2	$26.28	Yes	$56.16	$29.88
591	6-Jun-13	24	3	$37.68	Yes	$56.16	$18.48
592	6-Jun-13	24	4	$35.09	Yes	$56.16	$21.07
593	6-Jun-13	24	5	$35.09	Yes	$56.16	$21.07
594	6-Jun-13	24	6	$33.32	Yes	$56.16	$22.84

595	6-Jun-13	24	7	($35.02)	Yes	$56.16	$91.18
596	6-Jun-13	24	8	($39.64)	Yes	$56.16	$95.80
597	6-Jun-13	24	9	($39.64)	Yes	$56.16	$95.80
598	6-Jun-13	24	10	($31.50)	Yes	$56.16	$87.66
599	6-Jun-13	24	11	($35.05)	Yes	$56.16	$91.21
600	6-Jun-13	24	12	($31.56)	Yes	$56.16	$87.72
601	7-Jun-13	1	1	$31.75	Yes	$55.86	$24.11
602	7-Jun-13	1	2	$26.29	Yes	$55.86	$29.57
603	7-Jun-13	1	3	$33.63	Yes	$55.86	$22.23
604	7-Jun-13	1	4	$30.11	Yes	$55.86	$25.75
605	7-Jun-13	1	5	$26.38	Yes	$55.86	$29.48
606	7-Jun-13	1	6	$22.10	Yes	$55.86	$33.76
607	7-Jun-13	1	7	$22.12	Yes	$55.86	$33.74
608	7-Jun-13	1	8	$15.93	Yes	$55.86	$39.93
609	7-Jun-13	1	9	$10.83	Yes	$55.86	$45.03
610	7-Jun-13	1	10	$0.01	Yes	$55.86	$55.85
611	7-Jun-13	1	11	$0.01	Yes	$55.86	$55.85
612	7-Jun-13	1	12	$10.76	Yes	$55.86	$45.10
613	7-Jun-13	2	1	$17.04	Yes	$55.86	$38.82
614	7-Jun-13	2	2	$19.84	Yes	$55.86	$36.02
615	7-Jun-13	2	3	$30.57	Yes	$55.86	$25.29
616	7-Jun-13	2	4	$30.32	Yes	$55.86	$25.54
617	7-Jun-13	2	5	$29.31	Yes	$55.86	$26.55
618	7-Jun-13	2	6	$24.64	Yes	$55.86	$31.22
619	7-Jun-13	2	7	$19.17	Yes	$55.86	$36.69
620	7-Jun-13	2	8	$13.11	Yes	$55.86	$42.75
621	7-Jun-13	2	9	$8.31	Yes	$55.86	$47.55
622	7-Jun-13	2	10	$7.98	Yes	$55.86	$47.88
623	7-Jun-13	2	11	$0.18	Yes	$55.86	$55.68
624	7-Jun-13	2	12	$9.18	Yes	$55.86	$46.68
625	7-Jun-13	3	1	$19.99	Yes	$55.86	$35.87
626	7-Jun-13	3	2	$29.24	Yes	$55.86	$26.62
627	7-Jun-13	3	3	$31.08	Yes	$55.86	$24.78
628	7-Jun-13	3	4	$30.37	Yes	$55.86	$25.49
629	7-Jun-13	3	5	$30.35	Yes	$55.86	$25.51
630	7-Jun-13	3	6	$30.35	Yes	$55.86	$25.51
631	7-Jun-13	3	7	$30.45	Yes	$55.86	$25.41
632	7-Jun-13	3	8	$29.65	Yes	$55.86	$26.21
633	7-Jun-13	3	9	$29.62	Yes	$55.86	$26.24
634	7-Jun-13	3	10	$24.72	Yes	$55.86	$31.14
635	7-Jun-13	3	11	$29.27	Yes	$55.86	$26.59
636	7-Jun-13	3	12	$26.04	Yes	$55.86	$29.82
637	7-Jun-13	4	1	$30.32	Yes	$55.86	$25.54
638	7-Jun-13	4	2	$30.32	Yes	$55.86	$25.54
639	7-Jun-13	4	3	$31.17	Yes	$55.86	$24.69
640	7-Jun-13	4	4	$30.43	Yes	$55.86	$25.43

641	7-Jun-13	4	5	$30.57	Yes	$55.86	$25.29
642	7-Jun-13	4	6	$30.65	Yes	$55.86	$25.21
643	7-Jun-13	4	7	$30.19	Yes	$55.86	$25.67
644	7-Jun-13	4	8	$29.66	Yes	$55.86	$26.20
645	7-Jun-13	4	9	$26.46	Yes	$55.86	$29.40
646	7-Jun-13	4	10	$30.00	Yes	$55.86	$25.86
647	7-Jun-13	4	11	$26.31	Yes	$55.86	$29.55
648	7-Jun-13	4	12	($31.25)	Yes	$55.86	$87.11
649	7-Jun-13	5	1	($31.26)	Yes	$55.86	$87.12
650	7-Jun-13	5	2	($35.10)	Yes	$55.86	$90.96
651	7-Jun-13	5	3	($35.10)	Yes	$55.86	$90.96
652	7-Jun-13	5	4	($35.16)	Yes	$55.86	$91.02
653	7-Jun-13	5	5	($35.16)	Yes	$55.86	$91.02
654	7-Jun-13	5	6	($35.16)	Yes	$55.86	$91.02
655	7-Jun-13	5	7	($33.10)	Yes	$55.86	$88.96
656	7-Jun-13	5	8	($31.27)	Yes	$55.86	$87.13
657	7-Jun-13	5	9	$0.01	Yes	$55.86	$55.85
658	7-Jun-13	5	10	$12.18	Yes	$55.86	$43.68
659	7-Jun-13	5	11	$15.91	Yes	$55.86	$39.95
660	7-Jun-13	5	12	$0.01	Yes	$55.86	$55.85
661	7-Jun-13	6	1	$13.84	Yes	$55.86	$42.02
662	7-Jun-13	6	2	$8.14	Yes	$55.86	$47.72
663	7-Jun-13	6	3	$0.69	Yes	$55.86	$55.17
664	7-Jun-13	6	4	$19.23	Yes	$55.86	$36.63
665	7-Jun-13	6	5	$24.60	Yes	$55.86	$31.26
666	7-Jun-13	6	6	$28.89	Yes	$55.86	$26.97
667	7-Jun-13	6	7	$30.23	Yes	$55.86	$25.63
668	7-Jun-13	6	8	$29.58	Yes	$55.86	$26.28
669	7-Jun-13	6	9	$29.57	Yes	$55.86	$26.29
670	7-Jun-13	6	10	$30.65	Yes	$55.86	$25.21
671	7-Jun-13	6	11	$33.35	Yes	$55.86	$22.51
672	7-Jun-13	6	12	$37.00	Yes	$55.86	$18.86
673	7-Jun-13	7	1	$32.64	Yes	$55.86	$23.22
674	7-Jun-13	7	2	$31.69	Yes	$55.86	$24.17
675	7-Jun-13	7	3	$35.05	Yes	$55.86	$20.81
676	7-Jun-13	7	4	$32.91	Yes	$55.86	$22.95
677	7-Jun-13	7	5	$34.37	Yes	$55.86	$21.49
678	7-Jun-13	7	6	$35.33	Yes	$55.86	$20.53
679	7-Jun-13	7	7	$34.77	Yes	$55.86	$21.09
680	7-Jun-13	7	8	$35.39	Yes	$55.86	$20.47
681	7-Jun-13	7	9	$35.39	Yes	$55.86	$20.47
682	7-Jun-13	7	10	$35.50	Yes	$55.86	$20.36
683	7-Jun-13	7	11	$35.16	Yes	$55.86	$20.70
684	7-Jun-13	7	12	$35.90	Yes	$55.86	$19.96
685	7-Jun-13	8	1	$32.52	Yes	$55.86	$23.34
686	7-Jun-13	8	2	$33.65	Yes	$55.86	$22.21

687	7-Jun-13	8	3	$34.72	Yes	$55.86	$21.14
688	7-Jun-13	8	4	$35.11	Yes	$55.86	$20.75
689	7-Jun-13	8	5	$35.21	Yes	$55.86	$20.65
690	7-Jun-13	8	6	$35.21	Yes	$55.86	$20.65
691	7-Jun-13	8	7	$35.63	Yes	$55.86	$20.23
692	7-Jun-13	8	8	$35.63	Yes	$55.86	$20.23
693	7-Jun-13	8	9	$36.51	Yes	$55.86	$19.35
694	7-Jun-13	8	10	$36.44	Yes	$55.86	$19.42
695	7-Jun-13	8	11	$35.32	Yes	$55.86	$20.54
696	7-Jun-13	8	12	$35.32	Yes	$55.86	$20.54
697	7-Jun-13	9	1	$33.93	Yes	$55.86	$21.93
698	7-Jun-13	9	2	$33.93	Yes	$55.86	$21.93
699	7-Jun-13	9	3	$25.84	Yes	$55.86	$30.02
700	7-Jun-13	9	4	$32.71	Yes	$55.86	$23.15
701	7-Jun-13	9	5	$34.33	Yes	$55.86	$21.53
702	7-Jun-13	9	6	$33.99	Yes	$55.86	$21.87
703	7-Jun-13	9	7	$34.57	Yes	$55.86	$21.29
704	7-Jun-13	9	8	$34.20	Yes	$55.86	$21.66
705	7-Jun-13	9	9	$34.57	Yes	$55.86	$21.29
706	7-Jun-13	9	10	$34.39	Yes	$55.86	$21.47
707	7-Jun-13	9	11	$35.22	Yes	$55.86	$20.64
708	7-Jun-13	9	12	$35.22	Yes	$55.86	$20.64
709	7-Jun-13	10	1	$32.94	Yes	$55.86	$22.92
710	7-Jun-13	10	2	$32.17	Yes	$55.86	$23.69
711	7-Jun-13	10	3	$32.89	Yes	$55.86	$22.97
712	7-Jun-13	10	4	$33.95	Yes	$55.86	$21.91
713	7-Jun-13	10	5	$33.02	Yes	$55.86	$22.84
714	7-Jun-13	10	6	$33.02	Yes	$55.86	$22.84
715	7-Jun-13	10	7	$33.25	Yes	$55.86	$22.61
716	7-Jun-13	10	8	$33.25	Yes	$55.86	$22.61
717	7-Jun-13	10	9	$33.25	Yes	$55.86	$22.61
718	7-Jun-13	10	10	$33.13	Yes	$55.86	$22.73
719	7-Jun-13	10	11	$33.96	Yes	$55.86	$21.90
720	7-Jun-13	10	12	$30.68	Yes	$55.86	$25.18
721	7-Jun-13	11	1	$32.56	Yes	$55.86	$23.30
722	7-Jun-13	11	2	$32.78	Yes	$55.86	$23.08
723	7-Jun-13	11	3	$32.66	Yes	$55.86	$23.20
724	7-Jun-13	11	4	$33.20	Yes	$55.86	$22.66
725	7-Jun-13	11	5	$33.20	Yes	$55.86	$22.66
726	7-Jun-13	11	6	$34.07	Yes	$55.86	$21.79
727	7-Jun-13	11	7	$33.53	Yes	$55.86	$22.33
728	7-Jun-13	11	8	$33.59	Yes	$55.86	$22.27
729	7-Jun-13	11	9	$34.32	Yes	$55.86	$21.54
730	7-Jun-13	11	10	$33.16	Yes	$55.86	$22.70
731	7-Jun-13	11	11	$33.15	Yes	$55.86	$22.71
732	7-Jun-13	11	12	$32.52	Yes	$55.86	$23.34

733	7-Jun-13	12	1	$33.04	Yes	$55.86	$22.82
734	7-Jun-13	12	2	$32.65	Yes	$55.86	$23.21
735	7-Jun-13	12	3	$33.07	Yes	$55.86	$22.79
736	7-Jun-13	12	4	$32.33	Yes	$55.86	$23.53
737	7-Jun-13	12	5	$32.33	Yes	$55.86	$23.53
738	7-Jun-13	12	6	$32.33	Yes	$55.86	$23.53
739	7-Jun-13	12	7	$33.01	Yes	$55.86	$22.85
740	7-Jun-13	12	8	$34.44	Yes	$55.86	$21.42
741	7-Jun-13	12	9	$35.57	Yes	$55.86	$20.29
742	7-Jun-13	12	10	$34.16	Yes	$55.86	$21.70
743	7-Jun-13	12	11	$32.58	Yes	$55.86	$23.28
744	7-Jun-13	12	12	$34.16	Yes	$55.86	$21.70
745	7-Jun-13	13	1	$22.97	Yes	$55.86	$32.89
746	7-Jun-13	13	2	$25.81	Yes	$55.86	$30.05
747	7-Jun-13	13	3	$27.87	Yes	$55.86	$27.99
748	7-Jun-13	13	4	$27.01	Yes	$55.86	$28.85
749	7-Jun-13	13	5	$30.38	Yes	$55.86	$25.48
750	7-Jun-13	13	6	$31.50	Yes	$55.86	$24.36
751	7-Jun-13	13	7	$30.41	Yes	$55.86	$25.45
752	7-Jun-13	13	8	$30.14	Yes	$55.86	$25.72
753	7-Jun-13	13	9	$31.53	Yes	$55.86	$24.33
754	7-Jun-13	13	10	$32.64	Yes	$55.86	$23.22
755	7-Jun-13	13	11	$33.09	Yes	$55.86	$22.77
756	7-Jun-13	13	12	$33.96	Yes	$55.86	$21.90
757	7-Jun-13	14	1	$29.88	Yes	$55.86	$25.98
758	7-Jun-13	14	2	$33.33	Yes	$55.86	$22.53
759	7-Jun-13	14	3	$32.93	Yes	$55.86	$22.93
760	7-Jun-13	14	4	$34.06	Yes	$55.86	$21.80
761	7-Jun-13	14	5	$35.68	Yes	$55.86	$20.18
762	7-Jun-13	14	6	$35.71	Yes	$55.86	$20.15
763	7-Jun-13	14	7	$36.05	Yes	$55.86	$19.81
764	7-Jun-13	14	8	$39.53	Yes	$55.86	$16.33
765	7-Jun-13	14	9	$38.74	Yes	$55.86	$17.12
766	7-Jun-13	14	10	$38.83	Yes	$55.86	$17.03
767	7-Jun-13	14	11	$39.12	Yes	$55.86	$16.74
768	7-Jun-13	14	12	$39.24	Yes	$55.86	$16.62
769	7-Jun-13	15	1	$38.05	Yes	$55.86	$17.81
770	7-Jun-13	15	2	$37.45	Yes	$55.86	$18.41
771	7-Jun-13	15	3	$37.45	Yes	$55.86	$18.41
772	7-Jun-13	15	4	$37.34	Yes	$55.86	$18.52
773	7-Jun-13	15	5	$37.93	Yes	$55.86	$17.93
774	7-Jun-13	15	6	$37.99	Yes	$55.86	$17.87
775	7-Jun-13	15	7	$38.71	Yes	$55.86	$17.15
776	7-Jun-13	15	8	$39.58	Yes	$55.86	$16.28
777	7-Jun-13	15	9	$40.83	Yes	$55.86	$15.03
778	7-Jun-13	15	10	$41.43	Yes	$55.86	$14.43

779	7-Jun-13	15	11	$40.43	Yes	$55.86	$15.43
780	7-Jun-13	15	12	$41.24	Yes	$55.86	$14.62
781	7-Jun-13	16	1	$37.19	Yes	$55.86	$18.67
782	7-Jun-13	16	2	$37.06	Yes	$55.86	$18.80
783	7-Jun-13	16	3	$37.78	Yes	$55.86	$18.08
784	7-Jun-13	16	4	$37.85	Yes	$55.86	$18.01
785	7-Jun-13	16	5	$38.72	Yes	$55.86	$17.14
786	7-Jun-13	16	6	$39.01	Yes	$55.86	$16.85
787	7-Jun-13	16	7	$37.05	Yes	$55.86	$18.81
788	7-Jun-13	16	8	$37.71	Yes	$55.86	$18.15
789	7-Jun-13	16	9	$39.79	Yes	$55.86	$16.07
790	7-Jun-13	16	10	$43.86	Yes	$55.86	$12.00
791	7-Jun-13	16	11	$42.55	Yes	$55.86	$13.31
792	7-Jun-13	16	12	$43.88	Yes	$55.86	$11.98
793	7-Jun-13	17	1	$45.18	Yes	$55.86	$10.68
794	7-Jun-13	17	2	$45.00	Yes	$55.86	$10.86
795	7-Jun-13	17	3	$48.85	Yes	$55.86	$7.01
796	7-Jun-13	17	4	$50.56	Yes	$55.86	$5.30
797	7-Jun-13	17	5	$50.97	Yes	$55.86	$4.89
798	7-Jun-13	17	6	$51.01	Yes	$55.86	$4.85
799	7-Jun-13	17	7	$52.22	Yes	$55.86	$3.64
800	7-Jun-13	17	8	$52.08	Yes	$55.86	$3.78
801	7-Jun-13	17	9	$51.38	Yes	$55.86	$4.48
802	7-Jun-13	17	10	$50.55	Yes	$55.86	$5.31
803	7-Jun-13	17	11	$50.15	Yes	$55.86	$5.71
804	7-Jun-13	17	12	$50.15	Yes	$55.86	$5.71
805	7-Jun-13	18	1	$45.00	Yes	$55.86	$10.86
806	7-Jun-13	18	2	$47.60	Yes	$55.86	$8.26
807	7-Jun-13	18	3	$43.29	Yes	$55.86	$12.57
808	7-Jun-13	18	4	$42.80	Yes	$55.86	$13.06
809	7-Jun-13	18	5	$37.63	Yes	$55.86	$18.23
810	7-Jun-13	18	6	$37.08	Yes	$55.86	$18.78
811	7-Jun-13	18	7	$36.70	Yes	$55.86	$19.16
812	7-Jun-13	18	8	$36.31	Yes	$55.86	$19.55
813	7-Jun-13	18	9	$36.24	Yes	$55.86	$19.62
814	7-Jun-13	18	10	$35.18	Yes	$55.86	$20.68
815	7-Jun-13	18	11	$34.64	Yes	$55.86	$21.22
816	7-Jun-13	18	12	$33.23	Yes	$55.86	$22.63
817	7-Jun-13	19	1	$34.70	Yes	$55.86	$21.16
818	7-Jun-13	19	2	$33.38	Yes	$55.86	$22.48
819	7-Jun-13	19	3	$33.67	Yes	$55.86	$22.19
820	7-Jun-13	19	4	$33.69	Yes	$55.86	$22.17
821	7-Jun-13	19	5	$33.68	Yes	$55.86	$22.18
822	7-Jun-13	19	6	$34.72	Yes	$55.86	$21.14
823	7-Jun-13	19	7	$35.65	Yes	$55.86	$20.21
824	7-Jun-13	19	8	$35.78	Yes	$55.86	$20.08

825	7-Jun-13	19	9	$36.02	Yes	$55.86	$19.84
826	7-Jun-13	19	10	$36.23	Yes	$55.86	$19.63
827	7-Jun-13	19	11	$35.53	Yes	$55.86	$20.33
828	7-Jun-13	19	12	$35.51	Yes	$55.86	$20.35
829	7-Jun-13	20	1	$38.48	Yes	$55.86	$17.38
830	7-Jun-13	20	2	$39.00	Yes	$55.86	$16.86
831	7-Jun-13	20	3	$39.73	Yes	$55.86	$16.13
832	7-Jun-13	20	4	$39.06	Yes	$55.86	$16.80
833	7-Jun-13	20	5	$40.93	Yes	$55.86	$14.93
834	7-Jun-13	20	6	$40.93	Yes	$55.86	$14.93
835	7-Jun-13	20	7	$38.29	Yes	$55.86	$17.57
836	7-Jun-13	20	8	$43.76	Yes	$55.86	$12.10
837	7-Jun-13	20	9	$39.80	Yes	$55.86	$16.06
838	7-Jun-13	20	10	$37.92	Yes	$55.86	$17.94
839	7-Jun-13	20	11	$37.92	Yes	$55.86	$17.94
840	7-Jun-13	20	12	$36.63	Yes	$55.86	$19.23
841	7-Jun-13	21	1	$38.19	Yes	$55.86	$17.67
842	7-Jun-13	21	2	$41.89	Yes	$55.86	$13.97
843	7-Jun-13	21	3	$39.33	Yes	$55.86	$16.53
844	7-Jun-13	21	4	$45.02	Yes	$55.86	$10.84
845	7-Jun-13	21	5	$46.16	Yes	$55.86	$9.70
846	7-Jun-13	21	6	$45.24	Yes	$55.86	$10.62
847	7-Jun-13	21	7	$45.64	Yes	$55.86	$10.22
848	7-Jun-13	21	8	$45.30	Yes	$55.86	$10.56
849	7-Jun-13	21	9	$45.30	Yes	$55.86	$10.56
850	7-Jun-13	21	10	$44.94	Yes	$55.86	$10.92
851	7-Jun-13	21	11	$44.45	Yes	$55.86	$11.41
852	7-Jun-13	21	12	$38.25	Yes	$55.86	$17.61
853	7-Jun-13	22	1	$46.31	Yes	$55.86	$9.55
854	7-Jun-13	22	2	$47.02	Yes	$55.86	$8.84
855	7-Jun-13	22	3	$48.84	Yes	$55.86	$7.02
856	7-Jun-13	22	4	$48.29	Yes	$55.86	$7.57
857	7-Jun-13	22	5	$47.50	Yes	$55.86	$8.36
858	7-Jun-13	22	6	$37.02	Yes	$55.86	$18.84
859	7-Jun-13	22	7	$43.01	Yes	$55.86	$12.85
860	7-Jun-13	22	8	$36.97	Yes	$55.86	$18.89
861	7-Jun-13	22	9	$36.97	Yes	$55.86	$18.89
862	7-Jun-13	22	10	$35.88	Yes	$55.86	$19.98
863	7-Jun-13	22	11	$35.47	Yes	$55.86	$20.39
864	7-Jun-13	22	12	$35.40	Yes	$55.86	$20.46
865	7-Jun-13	23	1	$39.99	Yes	$55.86	$15.87
866	7-Jun-13	23	2	$35.53	Yes	$55.86	$20.33
867	7-Jun-13	23	3	$34.15	Yes	$55.86	$21.71
868	7-Jun-13	23	4	$34.14	Yes	$55.86	$21.72
869	7-Jun-13	23	5	$35.57	Yes	$55.86	$20.29
870	7-Jun-13	23	6	$35.78	Yes	$55.86	$20.08

871	7-Jun-13	23	7	$35.46	Yes	$55.86	$20.40
872	7-Jun-13	23	8	$34.71	Yes	$55.86	$21.15
873	7-Jun-13	23	9	$34.17	Yes	$55.86	$21.69
874	7-Jun-13	23	10	$33.36	Yes	$55.86	$22.50
875	7-Jun-13	23	11	$32.82	Yes	$55.86	$23.04
876	7-Jun-13	23	12	$30.19	Yes	$55.86	$25.67
877	7-Jun-13	24	1	$34.23	Yes	$55.86	$21.63
878	7-Jun-13	24	2	$34.51	Yes	$55.86	$21.35
879	7-Jun-13	24	3	$34.50	Yes	$55.86	$21.36
880	7-Jun-13	24	4	$34.36	Yes	$55.86	$21.50
881	7-Jun-13	24	5	$34.09	Yes	$55.86	$21.77
882	7-Jun-13	24	6	$34.09	Yes	$55.86	$21.77
883	7-Jun-13	24	7	$33.68	Yes	$55.86	$22.18
884	7-Jun-13	24	8	$31.60	Yes	$55.86	$24.26
885	7-Jun-13	24	9	$30.83	Yes	$55.86	$25.03
886	7-Jun-13	24	10	$29.84	Yes	$55.86	$26.02
887	7-Jun-13	24	11	$29.10	Yes	$55.86	$26.76
888	7-Jun-13	24	12	$14.20	Yes	$55.86	$41.66

Appendix C: Exceptional Dispatch Bid Mitigation Analysis

In June 2013, 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 June. With exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches were $ 135,299. Without the exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches would be $ 290,586. The cost saving from the exceptional dispatch bid mitigation was $ 155,287.

Table 10: Bid Mitigation Analysis for June

Type	Number of Resources	Costs without Bid Mitigation	Costs with Bid Mitigation	Cost Saving
NONTMOD	3	$67,919.55	$58,406.68	$9,512.87
TMODEL5	12	$59,830.98	$29,895.14	$29,935.84
TMODEL6	1	$162,829.25	$46,992.46	$115,836.78
TMODEL7	1	$6.60	$4.79	$1.81
Total	17	$290,586.38	$135,299.08	$155,287.30

CERTIFICATE OF SERVICE

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

Dated at Folsom, California this 30th day of September 2013.

/s/ Anna Pascuzzo
Anna Pascuzzo