February 29, 2012

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

>   **Re: California Independent System Operator Corporation**
>   **Docket Nos. ER08-1178-___, and EL08-88-___**
>   **November 2011 Exceptional Dispatch Report (Chart 2 data)**

Dear Secretary Bose:

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

The attached report provides Chart 2 data for the month of November 2011. The attached Chart 2 report also includes the price impact analysis for the month of November 2011 required by Paragraph 44 of the September 2 Order as well as the degree of mitigation analysis required by ISO tariff section 34.9.4 for the month of November 2011.

Respectfully submitted,
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Exceptional Dispatch Report

Table 2: November 2011

ISO Market Analysis and Development   February 29, 2012

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Introduction

This report is filed pursuant to FERC's September 2, 2009, and May 4, 2010, orders in ER08-1178. These orders require two monthly Exceptional Dispatch reports—one issued on the 15th of each month and one issued on the 30th of each month. This report provides data on the frequency, reasons and costs for Exceptional Dispatches issued in November 2011.

In addition, this report contains a price impact analysis as prescribed by FERC in its September 2 order. The price impact analysis for the month of November is presented in Appendix B. This report also includes the degree of mitigation analysis for November 2011 required by section 34.9.4 of the ISO tariff. As it has previously explained, the ISO indicated that it would start including the degree of mitigation analysis beginning with the month of August 2009 when the more limited Exceptional Dispatch bid mitigation took effect. This analysis will compare those Exceptional Dispatches subject to bid mitigation (i.e. Exceptional Dispatches to address noncompetitive constraints and Delta Dispatch), and determine the cost difference between the Exceptional Dispatch bid mitigation settlement rules and what the settlement amount would have been had the Exceptional Dispatches not been subject to bid mitigation. The Exceptional Dispatch bid mitigation analysis for November is presented in Appendix C.

The Nature of Exceptional Dispatch

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

In November 2011, the ISO issued exceptional dispatches for the following local area generation requirements: (1) G-206, San Diego area generation requirements; and (2) G-219, SCE area generation requirements. Exceptional dispatch instructions were also issued for the following transmission management requirements: (1) T-132, transmission facilities in San Diego and Imperial Valley area; and (2) other transmission outages in PG&E, SCE and SDG&E area.

In Table 1, the reason codes starting with "G" refer to an ISO operating procedure for generation requirements and the reason codes starting with "T" refer to an ISO operating procedure for transmission facilities. Most of the generation procedures are internal to the ISO and not available publically on the ISO website; however, all of the transmission procedures are available on the ISO website.[1]

The following additional reasons for exceptional dispatch instructions in November 2011 were not related to specific generation or transmission operating procedures: (1) Software Limitation, when an exceptional dispatch instruction was used to bridge schedules across days for resources with a minimum down time of 24 hours, as the ISO software does not handle multi day commitment. For instance, a resource has a day-ahead schedule from 0600 till 2300, and then is shut down in 2400. If this resource had a minimum down time of 24 hours and it is required the following day, then the ISO issues an exceptional dispatch to commit this resource in 2400 so that it can be dispatched economically in the following day. Software limitation reason was also used for exceptional dispatches to manually issue shut down instructions to a resource because of a temporary Automatic Dispatch System ("ADS") failure, or similar issues.; (2) Market Disruption, when the exceptional dispatch instructions were issued due to HASP failures; and (3) Ramp Rate, when exceptional dispatch instructions were issued to dispatch a resource above its physical minimum to a level where the resource has significantly higher ramp rate capability. For example, a resource could have a ramp rate of 2 MW/min at its physical minimum of 100 MW, but a significantly higher ramp rate of 10 MW/min at 250 MW. The operators could issue an exceptional dispatch for this resource to be dispatched to 250 MW, so that the resource could respond to the anticipated steep load ramp or to a potential contingency. There were a few other reasons used to explain exceptional dispatch instructions in November, which are self explanatory.

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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

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 the Table 1 of the first report for November. In addition, it contains volume (MWh) and cost information. Each entry in Table 1 is a summary of exceptional dispatches classified by (1) the reason for the exceptional dispatch; (2) the location of the resource by Participating Transmission Owner (PTO) service area; (3) the Local Reliability Area (LRA) where applicable; (4) the market in which the exceptional dispatch occurred (day-ahead vs. real-time); and (5) the date of the exceptional dispatch. For each classification the following information is provided: (1) Megawatts (MW); (2) Commitment (3); Inc or Dec; (4) Hours; (5) Begin Time; (6) End Time; (7) Total Volume (MWh); (8) Min Load Cost; (9) Start 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:

- MW column shows the range of exceptional dispatch instruction in MW for the classification.
- Commitment column specifies if there was a unit commitment for the classification.
- The INC/DEC/NA column specifies if there was an incremental dispatch (INC), a decremental dispatch (DEC), or only a unit commitment (NA). 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.

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

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

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

Charge codes 6470, 6470 INC, 6470 DEC, 6482 and 6488 are shown in Table 1 because all these charge code 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 capacity under Capacity Procurement Mechanism (CPM) in November 2011.

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

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

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

Table 1: Exceptional Dispatches in November 2011

California Independent System Operator Corporation Exceptional Dispatch Report February 29, 2011
Chart 2: Table of Exceptional Dispatches for Period 01/November/2011 - 30/November/2011

Number	Market Type	Reason	Location	Local Reliability Area	Trade Date	MW	Commitment	INC_DEC	Hours	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
1	DA	SDG&E Gas Limitation	SDG&E	San Diego	19-Nov-11	20	Yes	N/A	18	6:00	23:00	360.00	$23,525	$0	$0	$0	$0	$0	$0	$0	$15,827
2	RT	Bridging Schedules	SDG&E	San Diego	18-Nov-11	20- 40	Yes	INC	17	7:00	23:59	463.40	$13,455	$0	($27,528)	$121	($6,279)	$0	($1,627)	$0	$0
3	RT	COI Mitigation	N/A	N/A	22-Nov-11	100	No	DEC	2	17:20	18:29	-92.17	$0	$0	$1	($92)	$0	$1	$0	$0	$0
4	RT	G-206	N/A	N/A	19-Nov-11	20	Yes	INC	6	0:00	5:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	RT	G-206	SDG&E	San Diego	8-Nov-11	3	Yes	DEC	13	8:10	20:59	0.19	$0	$0	($7)	$0	$0	$0	$0	$0	$0
6	RT	G-206	SDG&E	San Diego	8-Nov-11	45	Yes	INC	13	8:10	20:59	442.31	$18,775	$0	($15,393)	$0	$0	$0	$0	$0	$0
7	RT	G-206	SDG&E	San Diego	9-Nov-11	45- 90	Yes	INC	9	8:35	16:59	378.87	$13,896	$0	($13,755)	$0	$0	$0	$0	$0	$0
8	RT	G-206	SDG&E	San Diego	18-Nov-11	180- 260	Yes	INC	3	8:35	10:49	476.25	$364	$0	($22,972)	$348	($13,236)	$0	($5,295)	$0	$0
9	RT	G-206	SDG&E	San Diego	27-Nov-11	320- 660	Yes	INC	13	10:30	22:59	-166.31	$46,437	$43,235	$7,697	$0	$0	$0	$0	$0	$0
10	RT	G-206	SDG&E	San Diego	28-Nov-11	40	Yes	INC	3	9:00	11:59	177.29	$5,648	$0	($22,227)	$0	$0	$0	$0	$0	$0
11	RT	G-219	SCE	LA Basin	3-Nov-11	92- 94	Yes	INC	7	14:03	20:59	703.92	$25,087	$582	($20,949)	$0	$0	$0	$0	$0	$0
12	RT	G-219	SCE	LA Basin	8-Nov-11	20- 247	Yes	INC	18	6:00	23:59	3,486.29	$46,178	$33,703	($132,328)	$1,655	($54,084)	$0	($6,447)	$0	$0
13	RT	G-219	SCE	LA Basin	9-Nov-11	48- 95	Yes	INC	8	10:52	17:59	195.52	$10,841	$1,020	($64,091)	$0	$0	$0	$0	$0	$0
14	RT	G-219	SCE	LA Basin	10-Nov-11	42- 97	No	DEC	6	14:50	19:59	-160.29	$0	$0	$4,311	$0	$0	$0	$0	$0	$0
15	RT	G-219	SCE	LA Basin	10-Nov-11	0	No	INC	6	14:50	19:59	-2.03	$0	$0	$69	$0	$0	$0	$0	$0	$0
16	RT	G-219	SCE	LA Basin	23-Nov-11	20	Yes	INC	22	2:00	23:59	534.14	$49,896	$0	($14,435)	$0	$0	$0	$0	$0	$0
17	RT	G-219	SCE	LA Basin	28-Nov-11	20	Yes	INC	18	6:00	23:59	1,806.21	$42,300	$28,270	($119,804)	$0	$0	$0	$0	$0	$0
18	RT	G-219	SCE	LA Basin	29-Nov-11	20- 65	Yes	INC	23	1:00	23:59	1,823.67	$53,676	$0	($81,188)	$393	($9,909)	$0	($2,951)	$0	$0
19	RT	G-219	SCE	LA Basin	30-Nov-11	20	Yes	INC	24	0:00	23:59	884.10	$56,400	$0	($22,637)	$235	($8,758)	$0	$0	$0	$0
20	RT	Generation Outage	PG&E	Sierra	5-Nov-11	6- 10	Yes	INC	1	9:35	9:59	8.32	$0	$0	($335)	$7	($270)	$0	$0	$0	$0
21	RT	Infeasable Day Ahead Schedule	N/A	N/A	15-Nov-11	20	Yes	INC	1	1:00	1:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
22	RT	Infeasable Day Ahead Schedule	SCE	LA Basin	6-Nov-11	0	No	INC	1	23:00	23:58	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
23	RT	Intertie Emergency	N/A	N/A	2-Nov-11	80	Yes	INC	1	23:30	23:59	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	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
		Assistance																			
24	RT	Intertie Emergency Assistance	N/A	N/A	3-Nov-11	80	No	INC	1	5:39	5:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
25	RT	Intertie Emergency Assistance	N/A	N/A	6-Nov-11	100	No	INC	1	15:20	15:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
26	RT	Market Disruption	N/A	N/A	13-Nov-11	301- 400	Yes	INC	4	18:00	21:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
27	RT	Market Disruption	N/A	N/A	18-Nov-11	825	Yes	INC	1	11:00	11:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
28	RT	Missing Bids	N/A	N/A	3-Nov-11	195	Yes	DEC	6	12:00	17:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
29	RT	Missing Bids	N/A	N/A	8-Nov-11	11	No	DEC	2	14:00	15:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
30	RT	Missing Bids	N/A	N/A	12-Nov-11	200	No	DEC	1	6:00	6:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
31	RT	Missing Bids	N/A	N/A	16-Nov-11	0	No	INC	3	1:00	3:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
32	RT	Missing Bids	N/A	N/A	25-Nov-11	0	No	INC	3	0:00	2:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
33	RT	Missing Bids	N/A	N/A	26-Nov-11	105	No	DEC	3	0:00	2:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
34	RT	Missing Bids	N/A	N/A	26-Nov-11	0	No	INC	3	0:00	2:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
35	RT	MSG Plant Startup	N/A	N/A	17-Nov-11	20	Yes	INC	5	14:10	18:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
36	RT	Path 43	PG&E	Bay Area	21-Nov-11	20	Yes	INC	2	7:47	8:59	23.63	$446	$228	($850)	$0	$0	$0	$0	$0	$0
37	RT	Path 43	PG&E	N/A	21-Nov-11	20	Yes	INC	2	7:47	8:59	23.61	$446	$228	($849)	$0	$0	$0	$0	$0	$0
38	RT	Path 66	N/A	N/A	22-Nov-11	100	No	DEC	2	16:55	17:29	-62.50	$0	$0	$320	($58)	$0	$201	$0	$0	$0
39	RT	Peaker Management	SDG&E	San Diego	28-Nov-11	17- 40	Yes	INC	6	13:50	18:59	253.16	$13,353	$405	($8,013)	$0	$0	$0	$0	$0	$0
40	RT	Ramp Rate	N/A	N/A	4-Nov-11	190	Yes	INC	2	15:55	16:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
41	RT	Ramp Rate	N/A	N/A	18-Nov-11	44- 106	Yes	DEC	14	7:20	20:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
42	RT	Ramp Rate	N/A	N/A	18-Nov-11	1- 286	Yes	INC	14	7:15	20:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
43	RT	Ramp Rate	N/A	N/A	19-Nov-11	38- 240	No	DEC	9	10:35	18:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
44	RT	Ramp Rate	N/A	N/A	19-Nov-11	69	Yes	INC	15	6:50	20:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
45	RT	Ramp Rate	N/A	N/A	20-Nov-11	64	Yes	INC	12	9:00	20:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
46	RT	Ramp Rate	PG&E	Bay Area	15-Nov-11	62	Yes	INC	6	15:30	20:59	352.04	$13,895	$0	($11,810)	$94	($3,933)	$0	$0	$0	$0
47	RT	Ramp Rate	PG&E	N/A	4-Nov-11	190	No	INC	4	16:55	19:59	589.01	$25,618	$0	($14,066)	$27	($980)	$0	$0	$0	$0
48	RT	Ramp Rate	PG&E	N/A	5-Nov-11	400	No	INC	11	9:50	19:59	4,038.71	$90,365	$0	($131,451)	$1,435	($54,630)	$0	$0	$0	$0
49	RT	Ramp Rate	PG&E	N/A	6-Nov-11	190- 400	No	INC	11	8:55	18:59	3,528.15	$105,767	$0	($121,504)	$950	($36,106)	$0	$0	$0	$0
50	RT	Ramp Rate	SCE	Big Creek- Ventura	2-Nov-11	50	Yes	INC	6	16:20	21:59	287.60	$0	$0	($16,235)	$160	($10,671)	$0	$0	$0	$0
51	RT	Ramp Rate	SCE	Big Creek- Ventura	16-Nov-11	50	Yes	INC	7	14:47	20:59	360.56	$9,446	$0	($15,008)	$211	($12,691)	$0	$0	$0	$0
52	RT	Ramp Rate	SCE	LA Basin	5-Nov-11	190	Yes	INC	11	9:45	19:59	1,872.44	$39,607	$29,709	($70,475)	$1,520	($59,130)	$0	$0	$0	$0
53	RT	Ramp Rate	SCE	LA Basin	7-Nov-11	48- 152	No	DEC	5	16:25	20:59	-724.82	$0	$0	$24,543	$0	$0	$0	$0	$0	$0
54	RT	Ramp Rate	SCE	LA Basin	7-Nov-11	30	No	INC	2	16:00	17:59	-36.48	$0	$0	$921	$4	($137)	$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	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
55	RT	Ramp Rate	SCE	LA Basin	9-Nov-11	184	No	INC	8	12:00	19:59	626.12	$0	$0	($33,356)	$607	($25,379)	$0	$0	$0	$0
56	RT	Ramp Rate	SCE	LA Basin	15-Nov-11	14- 95	No	DEC	6	15:30	20:59	-327.91	$0	$0	$9,943	$0	$0	$0	$0	$0	$0
57	RT	Ramp Rate	SCE	LA Basin	15-Nov-11	67	Yes	INC	6	15:30	20:59	418.97	$13,805	$0	($14,719)	$215	($7,843)	$0	$0	$0	$0
58	RT	Ramp Rate	SCE	LA Basin	17-Nov-11	97	No	DEC	4	15:30	18:59	-275.11	$0	$0	$9,969	$0	$0	$0	$0	$0	$0
59	RT	Ramp Rate	SCE	LA Basin	17-Nov-11	45	No	INC	4	15:30	18:59	21.77	$0	$0	($738)	$21	($714)	$0	$0	$0	$0
60	RT	Ramp Rate	SCE	LA Basin	29-Nov-11	5- 96	No	DEC	4	15:30	18:59	-132.05	$0	$0	$3,354	$0	$0	$0	$0	$0	$0
61	RT	Ramp Rate	SCE	LA Basin	30-Nov-11	5- 115	No	DEC	10	11:45	20:59	-361.08	$0	$0	$7,971	$0	$0	$0	$0	$0	$0
62	RT	Ramp Rate	SDG&E	San Diego	11-Nov-11	281- 344	No	INC	7	15:35	21:59	-874.18	$60,085	$0	$25,395	$0	($3)	$0	$0	$0	$0
63	RT	Ramp Rate	SDG&E	San Diego	30-Nov-11	63	No	INC	10	11:45	20:59	644.27	$30,898	$0	($14,625)	$0	$0	$0	$0	$0	$0
64	RT	Software Limitation	N/A	N/A	12-Nov-11	145	Yes	INC	3	4:10	6:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
65	RT	Software Limitation	N/A	N/A	22-Nov-11	0	Yes	INC	17	5:30	21:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
66	RT	Software Limitation	N/A	N/A	28-Nov-11	0	Yes	INC	2	21:15	22:14	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
67	RT	Software Limitation	PG&E	Bay Area	2-Nov-11	0	No	INC	10	9:00	18:59	323.34	$0	$0	($13,155)	$0	$0	$0	$0	$0	$0
68	RT	Software Limitation	PG&E	Bay Area	3-Nov-11	45	Yes	INC	2	0:00	1:59	90.00	$5,654	$0	($2,308)	$0	$0	$0	$0	$0	$0
69	RT	Software Limitation	PG&E	Fresno	1-Nov-11	299	No	DEC	1	4:32	4:46	-84.72	$0	$0	$2,366	$0	$0	$0	$0	$0	$0
70	RT	Software Limitation	PG&E	Fresno	1-Nov-11	83	No	INC	1	10:25	10:59	40.53	$0	$0	($1,406)	$0	$0	$0	$0	$0	$0
71	RT	Software Limitation	PG&E	Fresno	2-Nov-11	299	No	DEC	2	2:30	3:44	-373.75	$0	$0	$12,610	$0	$0	$0	$0	$0	$0
72	RT	Software Limitation	PG&E	Fresno	12-Nov-11	0	Yes	INC	2	9:48	10:47	13.83	$947	$222	($450)	$0	$0	$0	$0	$0	$0
73	RT	Software Limitation	PG&E	Fresno	17-Nov-11	0	No	INC	1	1:00	1:20	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
74	RT	Software Limitation	PG&E	Fresno	19-Nov-11	46	Yes	DEC	5	3:40	7:59	-207.00	$0	$0	($119)	($207)	$0	($119)	$0	$0	$0
75	RT	Software Limitation	PG&E	Fresno	20-Nov-11	96	Yes	DEC	3	19:35	21:34	-137.04	$0	$0	$2,535	($90)	$0	$976	$0	$0	$0
76	RT	Software Limitation	PG&E	Fresno	20-Nov-11	0	Yes	INC	3	19:35	21:34	-4.00	$0	$0	$154	$0	$0	$0	$0	$0	$0
77	RT	Software Limitation	PG&E	Fresno	27-Nov-11	46	Yes	INC	2	18:37	19:46	26.16	$0	$0	($855)	$0	$0	$0	$0	$0	$0
78	RT	Software Limitation	PG&E	Fresno	28-Nov-11	0	Yes	INC	3	19:05	21:04	3.71	$0	$0	($182)	$0	$0	$0	$0	$0	$0
79	RT	Software Limitation	PG&E	N/A	3-Nov-11	0	No	INC	12	0:15	11:14	1.88	$0	$0	($51)	$0	$0	$0	$0	$0	$0
80	RT	Software Limitation	PG&E	N/A	10-Nov-11	164	Yes	INC	18	6:00	23:58	-348.72	$0	$0	$8,548	($1)	$0	$0	$0	$0	$0
81	RT	Software Limitation	PG&E	N/A	11-Nov-11	164	No	INC	4	0:00	3:59	838.68	$19,329	$0	($22,409)	$0	$0	$0	$0	$0	$0
82	RT	Software Limitation	SCE	LA Basin	2-Nov-11	0	Yes	INC	1	23:20	23:59	1.40	$134	$0	($41)	$0	$0	$0	$0	$0	$0
83	RT	Software Limitation	SCE	LA Basin	3-Nov-11	0	Yes	INC	24	0:00	23:09	6.05	$0	$56	($174)	$0	$0	$0	$0	$0	$0
84	RT	Software Limitation	SCE	LA Basin	5-Nov-11	0	Yes	INC	1	7:00	7:29	0.00	$0	$0	($0)	$0	$0	$0	$0	$0	$0
85	RT	Software Limitation	SCE	LA Basin	6-Nov-11	20	No	INC	1	23:00	23:58	2,318.11	$96,473	$4	($92,067)	$0	$0	$0	$0	$0	$0
86	RT	Software Limitation	SCE	LA Basin	7-Nov-11	200	Yes	INC	2	1:35	2:19	150.00	$0	$0	($3,399)	$0	$0	$0	$0	$0	$0
87	RT	Software Limitation	SCE	LA Basin	8-Nov-11	0	Yes	INC	2	20:30	21:39	0.00	$373	$41	($0)	$0	$0	$0	$0	$0	$0
88	RT	Software Limitation	SCE	LA Basin	9-Nov-11	47	Yes	INC	11	11:00	21:14	28.64	$158	$3	($5,659)	$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	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
89	RT	Software Limitation	SCE	LA Basin	11-Nov-11	0	Yes	INC	2	19:10	20:09	0.00	$0	$0	($0)	$0	$0	$0	$0	$0	$0
90	RT	Software Limitation	SCE	LA Basin	18-Nov-11	45	No	DEC	2	20:50	21:49	-40.56	$0	$0	$1,137	$0	$0	$0	$0	$0	$0
91	RT	Software Limitation	SCE	LA Basin	27-Nov-11	0	Yes	INC	3	20:30	22:59	0.32	$0	$0	($8)	$0	$0	$0	$0	$0	$0
92	RT	Software Limitation	SCE	LA Basin	28-Nov-11	0	Yes	INC	11	12:05	22:39	0.60	$113	$0	($24)	$0	$0	$0	$0	$0	$0
93	RT	Software Limitation	SCE	LA Basin	29-Nov-11	0	Yes	INC	11	11:35	21:14	2.68	$250	$12	($89)	$0	$0	$0	$0	$0	$0
94	RT	Software Limitation	SCE	LA Basin	30-Nov-11	67	Yes	INC	5	16:00	20:59	431.64	$11,750	$0	($13,139)	$235	($8,758)	$0	$0	$0	$0
95	RT	Software Limitation	SDG&E	N/A	3-Nov-11	505	No	INC	5	13:00	17:54	-101.41	$0	$0	$3,392	($16)	$0	$0	$0	$0	$0
96	RT	Software Limitation	SDG&E	San Diego	7-Nov-11	0	Yes	INC	2	12:05	13:04	3.30	$157	$36	($110)	$0	$0	$0	$0	$0	$0
97	RT	Software Limitation	SDG&E	San Diego	8-Nov-11	0	Yes	INC	1	22:05	22:34	3.90	$329	$0	($228)	$0	$0	$0	$0	$0	$0
98	RT	Software Limitation	SDG&E	San Diego	9-Nov-11	155	Yes	INC	24	0:05	23:34	-47.74	$7,373	$140	$1,860	$0	$0	$0	$0	$0	$0
99	RT	Software Limitation	SDG&E	San Diego	11-Nov-11	0	Yes	INC	2	14:25	15:04	1.32	$0	$0	($44)	$0	$0	$0	$0	$0	$0
100	RT	Software Limitation	SDG&E	San Diego	26-Nov-11	250	No	INC	2	17:13	18:59	-7.85	$933	$534	$1,212	$0	$0	$0	$0	$0	$0
101	RT	Software Limitation	SDG&E	San Diego	30-Nov-11	522	Yes	INC	11	10:47	20:44	-36.59	$0	$0	$963	($12)	$0	$315	$0	$0	$0
102	RT	SP26 Capacity	SCE	LA Basin	21-Nov-11	20	Yes	INC	5	19:00	23:59	99.40	$11,340	$26,857	($2,960)	$0	$0	$0	$0	$0	$0
103	RT	SP26 Capacity	SDG&E	San Diego	8-Nov-11	20	No	INC	8	16:00	23:59	508.66	$21,728	$0	($20,442)	$0	$0	$0	$0	$0	$0
104	RT	Stranded AS	SCE	LA Basin	11-Nov-11	3- 97	No	DEC	14	8:45	21:59	-204.15	$0	$0	$5,854	$0	$0	$0	$0	$0	$0
105	RT	Stranded AS	SCE	LA Basin	11-Nov-11	0	No	INC	14	8:45	21:59	73.61	$0	$0	($3,021)	$0	$0	$0	$0	$0	$0
106	RT	Stranded AS	SCE	LA Basin	20-Nov-11	0	Yes	INC	2	21:00	22:04	-1.58	$250	$0	$60	$0	$0	$0	$0	$0	$0
107	RT	System Energy	N/A	N/A	2-Nov-11	475- 480	Yes	INC	2	17:00	18:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
108	RT	System Energy	N/A	N/A	5-Nov-11	900	Yes	INC	1	18:00	18:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
109	RT	System Energy	N/A	N/A	15-Nov-11	400	No	DEC	1	18:00	18:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
110	RT	System Energy	N/A	N/A	15-Nov-11	150	Yes	INC	1	18:00	18:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
111	RT	System Energy	N/A	N/A	16-Nov-11	390	Yes	INC	1	16:00	16:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
112	RT	System Energy	N/A	N/A	21-Nov-11	50- 600	Yes	INC	12	7:00	18:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
113	RT	System Energy	N/A	N/A	25-Nov-11	200- 400	Yes	INC	5	2:00	6:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
114	RT	System Energy	N/A	N/A	27-Nov-11	200- 850	Yes	INC	2	16:00	17:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
115	RT	System Energy	N/A	N/A	28-Nov-11	450	Yes	INC	1	16:00	16:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
116	RT	System Energy	N/A	N/A	29-Nov-11	635	Yes	INC	1	16:00	16:59	80.00	$0	$0	($1,792)	$80	($1,792)	$0	($4,858)	$0	$0
117	RT	System Energy	N/A	N/A	30-Nov-11	525	Yes	INC	1	6:00	6:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
118	RT	System Reliability	SDG&E	San Diego	24-Nov-11	20- 40	Yes	INC	9	14:00	22:59	415.67	$16,121	$0	($10,987)	$0	$0	$0	$0	$0	$0
119	RT	T-132	SDG&E	N/A	16-Nov-11	450	No	INC	1	9:10	9:39	-27.81	$0	$0	$581	($28)	$0	$581	$0	($125)	$0
120	RT	Thermal Margin	PG&E	N/A	6-Nov-11	52	No	INC	22	2:00	23:59	5,594.77	$188,361	$0	($244,405)	$950	($36,110)	$0	($0)	$0	$0
121	RT	Transmission Outage PG&E	N/A	N/A	2-Nov-11	32	Yes	INC	3	21:00	23:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
122	RT	Transmission Outage PG&E	N/A	N/A	3-Nov-11	16- 84	Yes	INC	24	0:00	23:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
123	RT	Transmission Outage PG&E	N/A	N/A	4-Nov-11	32- 100	Yes	INC	24	0:00	23:59	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	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
124	RT	Transmission Outage PG&E	N/A	N/A	7-Nov-11	5	Yes	DEC	2	17:50	18:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
125	RT	Transmission Outage PG&E	N/A	N/A	7-Nov-11	44	Yes	INC	2	17:50	18:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
126	RT	Transmission Outage PG&E	N/A	N/A	8-Nov-11	1	Yes	DEC	12	9:15	20:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
127	RT	Transmission Outage PG&E	N/A	N/A	8-Nov-11	32- 70	Yes	INC	13	8:00	20:59	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
128	RT	Transmission Outage PG&E	PG&E	Bay Area	2-Nov-11	40	Yes	INC	13	9:15	21:59	765.88	$28,767	$0	($44,103)	$0	$0	$0	$0	$0	$0
129	RT	Transmission Outage PG&E	PG&E	Bay Area	5-Nov-11	20	Yes	INC	17	6:06	22:59	319.65	$20,962	$0	($10,207)	$0	$0	$0	$0	$0	$0
130	RT	Transmission Outage PG&E	PG&E	Bay Area	17-Nov-11	20- 50	Yes	INC	7	11:47	17:04	129.52	$8,575	$505	($4,754)	$0	$0	$0	$0	$0	$0
131	RT	Transmission Outage PG&E	PG&E	Humboldt	1-Nov-11	29	No	INC	9	15:54	23:59	330.71	$10,490	$0	($38,162)	$8	($262)	$0	$0	($55)	$0
132	RT	Transmission Outage PG&E	PG&E	Humboldt	2-Nov-11	16- 32	No	INC	21	0:00	20:59	39.52	$950	$0	($1,315)	$1	($32)	$0	$0	($17)	$0
133	RT	Transmission Outage PG&E	PG&E	Humboldt	3-Nov-11	32	No	INC	14	8:48	21:59	36.27	$777	$0	($1,164)	$5	($165)	$0	$0	($59)	$0
134	RT	Transmission Outage PG&E	PG&E	Humboldt	4-Nov-11	16	No	INC	2	6:32	7:29	10.32	$259	$0	($315)	$2	($67)	$0	$0	($29)	$0
135	RT	Transmission Outage PG&E	PG&E	Humboldt	5-Nov-11	32- 64	No	INC	24	0:00	23:59	451.74	$22,188	$0	($15,004)	$38	($1,172)	$0	$0	($373)	$0
136	RT	Transmission Outage PG&E	PG&E	Humboldt	6-Nov-11	32- 48	No	INC	1	23:00	23:59	714.95	$22,835	$0	($24,127)	$146	($4,348)	$0	$0	($1,937)	$0
137	RT	Transmission Outage PG&E	PG&E	Humboldt	7-Nov-11	15- 32	No	INC	23	0:00	22:59	381.88	$12,000	$0	($16,684)	$48	($1,447)	$0	$0	($622)	$0
138	RT	Transmission Outage PG&E	PG&E	Humboldt	8-Nov-11	15- 32	No	INC	18	6:35	23:59	67.29	$2,158	$103	($2,851)	$7	($272)	$0	$0	($103)	$0
139	RT	Transmission Outage PG&E	PG&E	Humboldt	28-Nov-11	32- 96	No	INC	17	7:08	23:59	570.07	$17,050	$0	($32,333)	$152	($5,095)	$0	$0	($962)	$0
140	RT	Transmission Outage PG&E	PG&E	Humboldt	29-Nov-11	16- 32	No	INC	24	0:00	23:59	19.57	$10,446	$64	$2,165	$76	($1,970)	$0	$0	($1,178)	$0
141	RT	Transmission Outage PG&E	PG&E	Humboldt	30-Nov-11	16- 87	No	INC	24	0:00	23:58	372.50	$14,720	$0	($7,710)	$74	($1,834)	$0	$0	($1,306)	$0
142	RT	Transmission Outage PG&E	PG&E	N/A	2-Nov-11	39	Yes	INC	13	9:20	21:59	902.67	$29,658	$1,201	($50,010)	$2	($94)	$0	$0	($18)	$0
143	RT	Transmission Outage PG&E	PG&E	N/A	4-Nov-11	52	No	INC	8	16:55	23:59	1,432.74	$64,904	$0	($34,899)	$27	($980)	$0	$0	$0	$0
144	RT	Transmission Outage PG&E	PG&E	N/A	5-Nov-11	52	No	INC	24	0:00	23:59	6,833.81	$146,416	$0	($215,487)	$1,435	($54,630)	$0	$0	$0	$0
145	RT	Transmission Outage PG&E	PG&E	Sierra	2-Nov-11	5	Yes	DEC	6	9:25	14:22	0.31	$0	$0	($13)	$0	$0	$0	$0	$0	$0
146	RT	Transmission Outage PG&E	PG&E	Sierra	2-Nov-11	5	Yes	INC	9	6:38	14:22	53.76	$0	$0	($9,123)	$52	($9,009)	$0	$0	($7)	$0
147	RT	Transmission Outage PG&E	PG&E	Sierra	4-Nov-11	5- 8	Yes	INC	5	7:40	11:59	35.31	$0	$0	($995)	$33	($916)	$0	$0	($17)	$0
148	RT	Transmission Outage PG&E	PG&E	Sierra	5-Nov-11	5- 10	Yes	INC	3	7:31	9:34	27.60	$0	$0	($901)	$26	($855)	$0	$0	($11)	$0
149	RT	Transmission Outage PG&E	PG&E	Sierra	7-Nov-11	35- 45	Yes	INC	3	4:25	6:59	103.54	$3,568	$456	($3,284)	$35	($1,069)	$0	$0	($365)	$0
150	RT	Transmission Outage PG&E	PG&E	Sierra	15-Nov-11	11- 41	No	DEC	14	8:56	21:59	-311.22	$0	$0	$8,274	($303)	$0	$8,059	$0	($3,878)	$0
151	RT	Transmission Outage PG&E	PG&E	Sierra	15-Nov-11	72	Yes	INC	12	10:00	21:59	-8.99	$0	$0	$327	$0	$0	$0	$0	$0	$0
152	RT	Transmission Outage SCE	SCE	LA Basin	1-Nov-11	20	No	INC	17	7:00	23:59	1,676.29	$46,937	$33,376	($214,349)	$0	$0	$0	$0	$0	$0
153	RT	Transmission Outage SCE	SCE	LA Basin	2-Nov-11	20	Yes	INC	24	0:00	23:59	2,424.16	$66,264	$0	($129,405)	$0	$0	$0	$0	$0	$0
154	RT	Transmission Outage SCE	SCE	LA Basin	4-Nov-11	190	No	INC	6	15:00	20:59	1,298.2	$0	$0	$48	$992	$3,977	$0	$0	($41,55	$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	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488	CC6620
												5									6)
155	RT	Transmission Outage SDG&E	SDG&E	San Diego	7-Nov-11	85- 90	No	INC	2	11:05	12:59	258.33	$0	$0	($8,436)	$0	$0	$0	$0	$0	$0
156	RT	Transmission Outage SDG&E	SDG&E	San Diego	30-Nov-11	20- 420	Yes	INC	23	1:45	23:59	1,755.26	$59,002	$10,043	($86,666)	$242	$423	$0	$0	($6,300)	$0
157	RT	Unit Testing	PG&E	Bay Area	9-Nov-11	129	No	DEC	1	10:42	10:48	0.00	$0	$0	$0	$0	$0	$0	$0	$0	$0
158	RT	Unit Testing	PG&E	N/A	4-Nov-11	400	No	INC	3	10:20	12:39	1,660.28	$57,366	$0	($43,117)	$0	$0	$0	$0	$0	$0
159	RT	Unit Testing	SCE	Big Creek-Ventura	10-Nov-11	363	No	INC	1	15:05	15:14	17.48	$0	$0	($455)	$10	($259)	$0	$0	$0	$0
160	RT	Unit Testing	SCE	LA Basin	1-Nov-11	25	No	INC	3	21:10	23:59	813.08	$10,596	$0	($28,286)	$0	$0	$0	$0	$0	$0

Appendix A: Explanation by Example

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

Example 1: Exceptional Dispatch Instructions Prior to DAM

In this fictitious example the ISO issued an exceptional dispatch instruction for resource A to be committed at its Pmin of 50 MW from hours ending 5 through 10 for a generation procedure G-219. 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	G-219	300	$5000	$0	0
01-Jul-09	DA	B	SCE	LA BASIN	08:00	20:00	30	G-219	390	$6000	$500	$4000
01-Jul-09	DA	C	SCE	LA BASIN	09:00	23:00	20	G-219.	300	$400	$1000	$1000

This data is summarized as shown in Table 3, which is the prescribed format specified in the FERC order on September 02, 2009. This summary classifies the data by reason, resource location, local reliability area, and trade date. The MW column in Table 3 is the range of MW; in this case the minimum instruction MW is 20 MW for resource C which occurs from hours ending 21 through 23. The maximum instruction occurs in hour ending 10. In this hour resource A is committed at 50 MW, resource B is committed at 30 MW and resource C is committed at 20 MW. This adds up to 100 MW. Thus the MW column shows the minimum and maximum of the overlaps of all the exceptional dispatch instructions. The Commitment column shows whether a resource was committed between the begin time and end time. Commitments are broken out separately from energy dispatches. In the day-ahead, however the exceptional dispatches are nearly always just commitments, as in this example. The Begin Time 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

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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.

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	G-219	SCE	LA Basin	1-Jul-09	20-100	Yes	N/A	19	05:00	23:00	990	$11,400	$1,500	$5000

Example 2: Incremental Exceptional Dispatch Instructions in RTM

In this fictitious example the ISO issued an exceptional dispatch instruction to resource A to be committed at its Pmin of 30 MW from hours ending 7 through 11 after completion of the day-ahead market for the transmission procedure T-138. This resource did not have a day-ahead award in those hours. The ISO issued another exceptional dispatch instruction to resource B, to be dispatched at 40 MW from hours ending 8 through 9 in real-time for the transmission procedure T-138. This resource had a day-ahead schedule of 20 MW from the day-ahead market, which implies that this exceptional dispatch instruction was an incremental instruction and the exceptional dispatch MW was 20 MW. Similarly, the details of exceptional dispatch (ED) instruction for resource C is shown in Table 4. This table also shows volume (MWh) and various real-time charge codes associated with the exceptional dispatch instructions. The total MWh column for each resource shows the sum of all types of imbalance energy quantities for this resource between the begin time and end time which includes both the exceptional dispatch energy quantities and optimal energy quantities.

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	T-138	180	1000	50	800	60	600	0	0	5400
1-Jul-09	RT	B	PG&E	Humboldt	7:00	9:00	40	20	No	INC	20	T-138	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	T-138	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	T-138	50	0	0	300	20	300	0	0	200

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

Table 5: FERC Summary of ED Instructions in RTM

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488
1	RT	T-138	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 T-129. The ISO issued additional exceptional dispatch instructions for resources B and C; details of those instructions are shown in Table 6. This table also includes volume (MWh) and cost information.

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	T-129	120	$ 120	$ 100	$ -	0	$ -	$ -	$ -	$ -
1-Jul-09	RT	B	PG&E	Fresno	7:00	9:00	40	60	No	DEC	20	T-129	(60)	$ -	$ -	$ 600	-60	$ -	$ 600	$ -	$2,400
1-Jul-09	RT	C	PG&E	Fresno	10:00	14:00	40	50	No	DEC	10	T-129	(50)	$ -	$ -	$ 500	-50	$ -	$ 500	$ -	$2,000

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

Table 7: FERC Summary of Decremental ED Instructions in RTM

Number	Market Type	Reason	Location	Local Reliability Area (LRA)	Trade Date	MW	Commitment	INC/DEC	Hour	Begin Time	End Time	Total MWH	Min Load Cost	Start Up Cost	CC6470	ED MWH (INC/DEC)	CC6470 INC	CC6470 DEC	CC6482	CC6488
1	RT	T-129	PG&E	Fresno	1-Jul-09	20	Yes	INC	6	15:00	20:00	120	$ 120	$ 100	$ -	0	$ -	$ -	$ -	$ -
2	RT	T-129	PG&E	Fresno	1-Jul-09	10-20	Yes	DEC	8	7:00	14:00	(110)	$ -	$ -	$ (1,100)	(110)	$ -	$ (1,100)	$ -	$ (4,400)

Appendix B: Price Impact Analysis

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

Based on this requirement the ISO implemented a methodology to perform price impact analysis. First, the ISO identified a heavily impacted pricing node from each of the Pacific Gas & Electric (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 SDGE area. This table shows all the five minute intervals in which the resource at PNode A was issued an exceptional dispatch instruction. Out of the 8,640 five-minute intervals in November, this resource was issued exceptional dispatch instructions in 238 five-minute intervals. This resource was eligible to set the LMP in all 238 intervals. Resource calculated LMP was larger than the market LMP in 210 of the 238 intervals. In the 210 intervals, the average increase in five minute LMP was $14.79/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 $14.79/MWh. Note that 210 five minute intervals are approximately 2.43 percent of the total 8,640 five minute intervals.

Table 9 shows the price impact analysis information for node B, which is located in the SCE area. This table shows all the five minute intervals in which the resource at PNode B was issued an exceptional dispatch instruction. Out of the 8,640 five minute intervals, this resource was issued an exceptional dispatch instruction in 1,395 five minute intervals. It was eligible to set the LMP in 1,084 of the 1,395 intervals. Out of the 1,084 intervals, resource calculated LMP was larger than the market LMP in 894 intervals. In the 894 intervals, the average increase in five minute LMP was $8.18/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 $8.18/MWh. The 894 five minute intervals account for approximately 10.35 percent of the total 8,640 five minute intervals.

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

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1	18-Nov-11	8	1	$24.59	Yes	$42.38	$17.79
2	18-Nov-11	8	2	$25.13	Yes	$42.38	$17.25
3	18-Nov-11	8	3	$25.25	Yes	$42.38	$17.13
4	18-Nov-11	8	4	$24.91	Yes	$42.38	$17.47
5	18-Nov-11	8	5	$24.91	Yes	$42.38	$17.47
6	18-Nov-11	8	6	$24.91	Yes	$42.38	$17.47
7	18-Nov-11	8	7	$24.91	Yes	$42.38	$17.47
8	18-Nov-11	8	8	$24.89	Yes	$42.38	$17.49
9	18-Nov-11	8	9	$24.95	Yes	$42.38	$17.43
10	18-Nov-11	8	10	$25.02	Yes	$42.38	$17.36
11	18-Nov-11	8	11	$25.36	Yes	$42.38	$17.02
12	18-Nov-11	8	12	$25.36	Yes	$42.38	$17.02
13	18-Nov-11	9	1	$25.58	Yes	$42.38	$16.80
14	18-Nov-11	9	2	$25.58	Yes	$42.38	$16.80
15	18-Nov-11	9	3	$25.94	Yes	$42.38	$16.44
16	18-Nov-11	9	4	$25.32	Yes	$42.38	$17.06
17	18-Nov-11	9	5	$25.56	Yes	$42.38	$16.82
18	18-Nov-11	9	6	$25.56	Yes	$42.38	$16.82
19	18-Nov-11	9	7	$25.57	Yes	$42.38	$16.81
20	18-Nov-11	9	8	$25.62	Yes	$49.53	$23.91
21	18-Nov-11	9	8	$25.62	Yes	$42.38	$16.76
22	18-Nov-11	9	9	$1,028.75	Yes	$49.53	-$979.22
23	18-Nov-11	9	9	$1,028.75	Yes	$42.38	-$986.37
24	18-Nov-11	9	10	$25.66	Yes	$49.53	$23.87
25	18-Nov-11	9	10	$25.66	Yes	$42.38	$16.72
26	18-Nov-11	9	11	$25.66	Yes	$42.38	$16.72
27	18-Nov-11	9	11	$25.66	Yes	$49.53	$23.87
28	18-Nov-11	9	12	$25.66	Yes	$49.53	$23.87
29	18-Nov-11	9	12	$25.66	Yes	$49.53	$23.87
30	18-Nov-11	9	12	$25.66	Yes	$42.38	$16.72
31	18-Nov-11	10	1	$25.39	Yes	$42.38	$16.99
32	18-Nov-11	10	1	$25.39	Yes	$49.53	$24.14
33	18-Nov-11	10	2	$1,028.51	Yes	$42.38	-$986.13
34	18-Nov-11	10	2	$1,028.51	Yes	$49.53	-$978.98
35	18-Nov-11	10	3	$40.69	Yes	$42.38	$1.69
36	18-Nov-11	10	3	$40.69	Yes	$49.53	$8.84
37	18-Nov-11	10	4	$40.69	Yes	$42.38	$1.69
38	18-Nov-11	10	4	$40.69	Yes	$49.53	$8.84
39	18-Nov-11	10	5	$40.70	Yes	$49.53	$8.83
40	18-Nov-11	10	5	$40.70	Yes	$42.38	$1.68
41	18-Nov-11	10	6	$40.70	Yes	$42.38	$1.68
42	18-Nov-11	10	6	$40.70	Yes	$49.53	$8.83
43	18-Nov-11	10	7	$25.53	Yes	$42.38	$16.85

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
44	18-Nov-11	10	7	$25.53	Yes	$49.53	$24.00
45	18-Nov-11	10	8	$25.35	Yes	$42.38	$17.03
46	18-Nov-11	10	8	$25.35	Yes	$49.53	$24.18
47	18-Nov-11	10	9	$25.35	Yes	$49.53	$24.18
48	18-Nov-11	10	9	$25.35	Yes	$42.38	$17.03
49	18-Nov-11	10	10	$24.19	Yes	$42.38	$18.19
50	18-Nov-11	10	10	$24.19	Yes	$49.53	$25.34
51	18-Nov-11	10	11	$24.19	Yes	$42.38	$18.19
52	18-Nov-11	10	11	$24.19	Yes	$49.53	$25.34
53	18-Nov-11	10	12	$24.68	Yes	$42.38	$17.70
54	18-Nov-11	10	12	$24.68	Yes	$49.53	$24.85
55	18-Nov-11	10	12	$24.68	Yes	$49.53	$24.85
56	18-Nov-11	11	1	$24.20	Yes	$42.38	$18.18
57	18-Nov-11	11	1	$24.20	Yes	$49.53	$25.33
58	18-Nov-11	11	2	$24.60	Yes	$49.53	$24.93
59	18-Nov-11	11	2	$24.60	Yes	$42.38	$17.78
60	18-Nov-11	11	2	$24.60	Yes	$49.53	$24.93
61	18-Nov-11	11	3	$24.60	Yes	$42.38	$17.78
62	18-Nov-11	11	3	$24.60	Yes	$49.53	$24.93
63	18-Nov-11	11	3	$24.60	Yes	$49.53	$24.93
64	18-Nov-11	11	4	$25.75	Yes	$42.38	$16.63
65	18-Nov-11	11	4	$25.75	Yes	$49.53	$23.78
66	18-Nov-11	11	5	$34.38	Yes	$42.38	$8.00
67	18-Nov-11	11	5	$34.38	Yes	$49.53	$15.15
68	18-Nov-11	11	6	$39.55	Yes	$42.38	$2.83
69	18-Nov-11	11	6	$39.55	Yes	$49.53	$9.98
70	18-Nov-11	11	7	$43.75	Yes	$42.38	-$1.37
71	18-Nov-11	11	7	$43.75	Yes	$49.53	$5.78
72	18-Nov-11	11	8	$32.51	Yes	$49.53	$17.02
73	18-Nov-11	11	8	$32.51	Yes	$42.38	$9.87
74	18-Nov-11	11	9	$32.51	Yes	$42.38	$9.87
75	18-Nov-11	11	9	$32.51	Yes	$49.53	$17.02
76	18-Nov-11	11	10	$25.66	Yes	$42.38	$16.72
77	18-Nov-11	11	11	$26.47	Yes	$42.38	$15.91
78	18-Nov-11	11	12	$25.66	Yes	$42.38	$16.72
79	18-Nov-11	12	1	$25.03	Yes	$42.38	$17.35
80	18-Nov-11	12	2	$25.12	Yes	$42.38	$17.26
81	18-Nov-11	12	3	$25.03	Yes	$42.38	$17.35
82	18-Nov-11	12	4	$25.28	Yes	$42.38	$17.10
83	18-Nov-11	12	5	$25.28	Yes	$42.38	$17.10
84	18-Nov-11	12	6	$25.28	Yes	$42.38	$17.10
85	18-Nov-11	12	7	$25.99	Yes	$42.38	$16.39
86	18-Nov-11	12	8	$25.49	Yes	$42.38	$16.89
87	18-Nov-11	12	9	$44.09	Yes	$42.38	-$1.71
88	18-Nov-11	12	10	$43.63	Yes	$42.38	-$1.25

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
89	18-Nov-11	12	11	$40.58	Yes	$42.38	$1.80
90	18-Nov-11	12	12	$31.79	Yes	$42.38	$10.59
91	18-Nov-11	13	1	$31.11	Yes	$42.38	$11.27
92	18-Nov-11	13	2	$31.11	Yes	$42.38	$11.27
93	18-Nov-11	13	3	$25.49	Yes	$42.38	$16.89
94	18-Nov-11	13	4	$25.35	Yes	$42.38	$17.03
95	18-Nov-11	13	5	$25.35	Yes	$42.38	$17.03
96	18-Nov-11	13	6	$25.43	Yes	$42.38	$16.95
97	18-Nov-11	13	7	$25.47	Yes	$42.38	$16.91
98	18-Nov-11	13	8	$27.98	Yes	$42.38	$14.40
99	18-Nov-11	13	9	$27.98	Yes	$42.38	$14.40
100	18-Nov-11	13	10	$26.08	Yes	$42.38	$16.30
101	18-Nov-11	13	11	$25.60	Yes	$42.38	$16.78
102	18-Nov-11	13	12	$26.08	Yes	$42.38	$16.30
103	18-Nov-11	14	1	$25.99	Yes	$42.38	$16.39
104	18-Nov-11	14	2	$25.51	Yes	$42.38	$16.87
105	18-Nov-11	14	3	$25.51	Yes	$42.38	$16.87
106	18-Nov-11	14	4	$25.21	Yes	$42.38	$17.17
107	18-Nov-11	14	5	$25.21	Yes	$42.38	$17.17
108	18-Nov-11	14	6	$24.58	Yes	$42.38	$17.80
109	18-Nov-11	14	7	$25.45	Yes	$42.38	$16.93
110	18-Nov-11	14	8	$25.45	Yes	$42.38	$16.93
111	18-Nov-11	14	9	$25.45	Yes	$42.38	$16.93
112	18-Nov-11	14	10	$25.24	Yes	$42.38	$17.14
113	18-Nov-11	14	11	$25.24	Yes	$42.38	$17.14
114	18-Nov-11	14	12	$25.24	Yes	$42.38	$17.14
115	18-Nov-11	15	1	$24.74	Yes	$42.38	$17.64
116	18-Nov-11	15	2	$24.85	Yes	$42.38	$17.53
117	18-Nov-11	15	3	$24.85	Yes	$42.38	$17.53
118	18-Nov-11	15	4	$25.17	Yes	$42.38	$17.21
119	18-Nov-11	15	5	$25.17	Yes	$42.38	$17.21
120	18-Nov-11	15	6	$25.17	Yes	$42.38	$17.21
121	18-Nov-11	15	7	$25.11	Yes	$42.38	$17.27
122	18-Nov-11	15	8	$25.04	Yes	$42.38	$17.34
123	18-Nov-11	15	9	$25.04	Yes	$42.38	$17.34
124	18-Nov-11	15	10	$25.18	Yes	$42.38	$17.20
125	18-Nov-11	15	11	$25.42	Yes	$42.38	$16.96
126	18-Nov-11	15	12	$25.18	Yes	$42.38	$17.20
127	18-Nov-11	16	1	$25.13	Yes	$42.38	$17.25
128	18-Nov-11	16	2	$25.13	Yes	$42.38	$17.25
129	18-Nov-11	16	3	$25.13	Yes	$42.38	$17.25
130	18-Nov-11	16	4	$25.21	Yes	$42.38	$17.17
131	18-Nov-11	16	5	$25.21	Yes	$42.38	$17.17
132	18-Nov-11	16	6	$25.24	Yes	$42.38	$17.14
133	18-Nov-11	16	7	$25.19	Yes	$42.38	$17.19

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
134	18-Nov-11	16	8	$25.11	Yes	$42.38	$17.27
135	18-Nov-11	16	9	$25.11	Yes	$42.38	$17.27
136	18-Nov-11	16	10	$25.07	Yes	$42.38	$17.31
137	18-Nov-11	16	11	$25.07	Yes	$42.38	$17.31
138	18-Nov-11	16	12	$25.37	Yes	$42.38	$17.01
139	18-Nov-11	17	1	$21.06	Yes	$42.38	$21.32
140	18-Nov-11	17	2	$21.71	Yes	$42.38	$20.67
141	18-Nov-11	17	3	$22.79	Yes	$42.38	$19.59
142	18-Nov-11	17	4	$23.00	Yes	$42.38	$19.38
143	18-Nov-11	17	5	$22.86	Yes	$42.38	$19.52
144	18-Nov-11	17	6	$24.11	Yes	$42.38	$18.27
145	18-Nov-11	17	7	$23.84	Yes	$42.38	$18.54
146	18-Nov-11	17	8	$24.46	Yes	$42.38	$17.92
147	18-Nov-11	17	9	$25.02	Yes	$42.38	$17.36
148	18-Nov-11	17	10	$25.70	Yes	$42.38	$16.68
149	18-Nov-11	17	11	$33.42	Yes	$42.38	$8.96
150	18-Nov-11	17	12	$33.81	Yes	$42.38	$8.57
151	18-Nov-11	18	1	$24.49	Yes	$42.38	$17.89
152	18-Nov-11	18	2	$25.81	Yes	$42.38	$16.57
153	18-Nov-11	18	3	$27.69	Yes	$42.38	$14.69
154	18-Nov-11	18	4	$27.41	Yes	$42.38	$14.97
155	18-Nov-11	18	5	$45.86	Yes	$42.38	-$3.48
156	18-Nov-11	18	6	$43.34	Yes	$42.38	-$0.96
157	18-Nov-11	18	7	$39.75	Yes	$42.38	$2.63
158	18-Nov-11	18	8	$949.40	Yes	$42.38	-$907.02
159	18-Nov-11	18	9	$949.40	Yes	$42.38	-$907.02
160	18-Nov-11	18	10	$126.25	Yes	$42.38	-$83.87
161	18-Nov-11	18	11	$35.31	Yes	$42.38	$7.07
162	18-Nov-11	18	12	$26.70	Yes	$42.38	$15.68
163	18-Nov-11	19	1	$26.70	Yes	$42.38	$15.68
164	18-Nov-11	19	2	$26.70	Yes	$42.38	$15.68
165	18-Nov-11	19	3	$26.70	Yes	$42.38	$15.68
166	18-Nov-11	19	4	$199.50	Yes	$42.38	-$157.12
167	18-Nov-11	19	5	$25.12	Yes	$42.38	$17.26
168	18-Nov-11	19	6	$25.38	Yes	$42.38	$17.00
169	18-Nov-11	19	7	$25.45	Yes	$42.38	$16.93
170	18-Nov-11	19	8	$23.92	Yes	$42.38	$18.46
171	18-Nov-11	19	9	$24.83	Yes	$42.38	$17.55
172	18-Nov-11	19	10	$24.06	Yes	$42.38	$18.32
173	18-Nov-11	19	11	$24.41	Yes	$42.38	$17.97
174	18-Nov-11	19	12	$25.09	Yes	$42.38	$17.29
175	27-Nov-11	17	3	$11.72	Yes	$38.25	$26.53
176	27-Nov-11	17	4	$15.36	Yes	$38.25	$22.89
177	27-Nov-11	17	5	$21.42	Yes	$38.25	$16.83
178	27-Nov-11	17	6	$21.02	Yes	$38.25	$17.23

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
179	27-Nov-11	17	7	$24.53	Yes	$38.25	$13.72
180	27-Nov-11	17	7	$24.53	Yes	$38.25	$13.72
181	27-Nov-11	17	8	$23.17	Yes	$38.25	$15.08
182	27-Nov-11	17	8	$23.17	Yes	$38.25	$15.08
183	27-Nov-11	17	9	$24.51	Yes	$38.25	$13.74
184	27-Nov-11	17	9	$24.51	Yes	$38.25	$13.74
185	27-Nov-11	17	10	$24.32	Yes	$38.25	$13.93
186	27-Nov-11	17	10	$24.32	Yes	$38.25	$13.93
187	27-Nov-11	17	11	$24.95	Yes	$38.25	$13.30
188	27-Nov-11	17	11	$24.95	Yes	$38.25	$13.30
189	27-Nov-11	17	12	$30.74	Yes	$38.25	$7.51
190	27-Nov-11	17	12	$30.74	Yes	$38.25	$7.51
191	27-Nov-11	18	1	$23.43	Yes	$38.25	$14.82
192	27-Nov-11	18	2	$19.48	Yes	$38.25	$18.77
193	27-Nov-11	18	3	$22.05	Yes	$38.25	$16.20
194	27-Nov-11	18	4	$30.60	Yes	$38.25	$7.65
195	27-Nov-11	18	5	$37.38	Yes	$38.25	$0.87
196	27-Nov-11	18	6	$43.23	Yes	$38.25	-$4.98
197	27-Nov-11	18	7	$127.37	Yes	$38.25	-$89.12
198	27-Nov-11	18	8	$127.37	Yes	$38.25	-$89.12
199	27-Nov-11	18	9	$127.37	Yes	$38.25	-$89.12
200	27-Nov-11	18	10	$118.19	Yes	$38.25	-$79.94
201	27-Nov-11	18	11	$84.61	Yes	$38.25	-$46.36
202	27-Nov-11	18	12	$42.99	Yes	$38.25	-$4.74
203	28-Nov-11	10	1	$23.69	Yes	$38.25	$14.56
204	28-Nov-11	10	2	$24.18	Yes	$38.25	$14.07
205	28-Nov-11	10	3	$23.69	Yes	$38.25	$14.56
206	28-Nov-11	10	4	$729.05	Yes	$38.25	-$690.80
207	28-Nov-11	10	5	$970.90	Yes	$38.25	-$932.65
208	28-Nov-11	10	6	$970.90	Yes	$38.25	-$932.65
209	28-Nov-11	10	7	$38.91	Yes	$38.25	-$0.66
210	28-Nov-11	10	8	$39.89	Yes	$38.25	-$1.64
211	28-Nov-11	10	9	$42.50	Yes	$38.25	-$4.25
212	28-Nov-11	10	10	$33.27	Yes	$38.25	$4.98
213	28-Nov-11	10	11	$35.61	Yes	$38.25	$2.64
214	28-Nov-11	10	12	$38.90	Yes	$38.25	-$0.65
215	28-Nov-11	11	1	$35.89	Yes	$36.81	$0.92
216	28-Nov-11	11	2	$29.50	Yes	$36.81	$7.31
217	28-Nov-11	11	3	$29.50	Yes	$36.81	$7.31
218	28-Nov-11	11	4	$31.25	Yes	$36.81	$5.56
219	28-Nov-11	11	5	$34.83	Yes	$36.81	$1.98
220	28-Nov-11	11	6	$35.81	Yes	$36.81	$1.00
221	28-Nov-11	11	7	$36.32	Yes	$36.81	$0.49
222	28-Nov-11	11	8	$36.22	Yes	$36.81	$0.59
223	28-Nov-11	11	9	$36.78	Yes	$36.81	$0.03

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
224	28-Nov-11	11	10	$33.93	Yes	$36.81	$2.88
225	28-Nov-11	11	11	$36.18	Yes	$36.81	$0.63
226	28-Nov-11	11	12	$31.45	Yes	$36.81	$5.36
227	28-Nov-11	12	1	$30.49	Yes	$38.25	$7.76
228	28-Nov-11	12	2	$30.69	Yes	$38.25	$7.56
229	28-Nov-11	12	3	$42.84	Yes	$38.25	-$4.59
230	28-Nov-11	12	4	$35.13	Yes	$38.25	$3.12
231	28-Nov-11	12	5	$35.13	Yes	$38.25	$3.12
232	28-Nov-11	12	6	$35.13	Yes	$38.25	$3.12
233	28-Nov-11	12	7	$35.15	Yes	$38.25	$3.10
234	28-Nov-11	12	8	$35.08	Yes	$38.25	$3.17
235	28-Nov-11	12	9	$35.08	Yes	$38.25	$3.17
236	28-Nov-11	12	10	$34.11	Yes	$38.25	$4.14
237	28-Nov-11	12	11	$32.99	Yes	$38.25	$5.26
238	28-Nov-11	12	12	$31.19	Yes	$38.25	$7.06

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	8-Nov-11	7	1	$25.99	Yes	$33.98	$7.99
2	8-Nov-11	7	2	$25.80	Yes	$33.98	$8.18
3	8-Nov-11	7	3	$25.80	Yes	$33.98	$8.18
4	8-Nov-11	7	4	$29.91	Yes	$33.98	$4.07
5	8-Nov-11	7	5	$30.66	Yes	$33.98	$3.32
6	8-Nov-11	7	6	$36.91	Yes	$33.98	-$2.93
7	8-Nov-11	7	7	$36.80	Yes	$33.98	-$2.82
8	8-Nov-11	7	8	$36.78	Yes	$33.98	-$2.80
9	8-Nov-11	7	9	$39.10	Yes	$33.98	-$5.12
10	8-Nov-11	7	10	$38.54	Yes	$33.98	-$4.56
11	8-Nov-11	7	11	$39.36	Yes	$33.98	-$5.38
12	8-Nov-11	7	12	$39.36	Yes	$33.98	-$5.38
13	8-Nov-11	8	1	$34.82	Yes	$33.98	-$0.84
14	8-Nov-11	8	2	$37.56	Yes	$33.98	-$3.58
15	8-Nov-11	8	3	$33.48	Yes	$33.98	$0.50
16	8-Nov-11	8	4	$26.60	Yes	$33.98	$7.38
17	8-Nov-11	8	5	$29.41	Yes	$33.98	$4.57
18	8-Nov-11	8	6	$31.69	Yes	$33.98	$2.29
19	8-Nov-11	8	7	$31.67	Yes	$33.98	$2.31
20	8-Nov-11	8	8	$33.53	Yes	$33.98	$0.45
21	8-Nov-11	8	9	$31.81	Yes	$33.98	$2.17
22	8-Nov-11	8	10	$34.52	Yes	$33.98	-$0.54
23	8-Nov-11	8	11	$31.81	Yes	$33.98	$2.17
24	8-Nov-11	8	12	$33.38	Yes	$33.98	$0.60
25	8-Nov-11	9	1	$37.90	Yes	$33.98	-$3.92
26	8-Nov-11	9	2	$37.90	Yes	$33.98	-$3.92
27	8-Nov-11	9	3	$37.90	Yes	$33.98	-$3.92
28	8-Nov-11	9	4	$31.51	Yes	$33.98	$2.47
29	8-Nov-11	9	5	$33.71	Yes	$33.98	$0.27
30	8-Nov-11	9	6	$34.80	Yes	$33.98	-$0.82
31	8-Nov-11	9	7	$33.71	Yes	$33.98	$0.27
32	8-Nov-11	9	8	$29.48	Yes	$33.98	$4.50
33	8-Nov-11	9	9	$26.57	Yes	$33.98	$7.41
34	8-Nov-11	9	10	$26.39	Yes	$33.98	$7.59
35	8-Nov-11	9	11	$29.48	Yes	$33.98	$4.50
36	8-Nov-11	9	12	$33.86	Yes	$33.98	$0.12
37	8-Nov-11	10	1	$37.58	Yes	$33.98	-$3.60
38	8-Nov-11	10	2	$37.58	Yes	$33.98	-$3.60
39	8-Nov-11	10	3	$37.58	Yes	$36.99	-$0.59
40	8-Nov-11	10	3	$37.58	Yes	$33.98	-$3.60
41	8-Nov-11	10	4	$37.78	Yes	$36.99	-$0.79

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
42	8-Nov-11	10	4	$37.78	Yes	$33.98	-$3.80
43	8-Nov-11	10	5	$35.90	Yes	$36.99	$1.09
44	8-Nov-11	10	5	$35.90	Yes	$33.98	-$1.92
45	8-Nov-11	10	6	$33.85	Yes	$36.99	$3.14
46	8-Nov-11	10	6	$33.85	Yes	$33.98	$0.13
47	8-Nov-11	10	7	$31.03	Yes	$36.99	$5.96
48	8-Nov-11	10	7	$31.03	Yes	$33.98	$2.95
49	8-Nov-11	10	8	$29.46	Yes	$36.99	$7.53
50	8-Nov-11	10	8	$29.46	Yes	$33.98	$4.52
51	8-Nov-11	10	9	$29.46	Yes	$36.99	$7.53
52	8-Nov-11	10	9	$29.46	Yes	$33.98	$4.52
53	8-Nov-11	10	10	$31.09	Yes	$36.99	$5.90
54	8-Nov-11	10	10	$31.09	Yes	$33.98	$2.89
55	8-Nov-11	10	11	$32.52	Yes	$36.99	$4.47
56	8-Nov-11	10	11	$32.52	Yes	$33.98	$1.46
57	8-Nov-11	10	12	$33.63	Yes	$33.98	$0.35
58	8-Nov-11	10	12	$33.63	Yes	$36.99	$3.36
59	8-Nov-11	11	1	$34.37	Yes	$36.99	$2.62
60	8-Nov-11	11	2	$34.37	Yes	$36.99	$2.62
61	8-Nov-11	11	3	$34.36	Yes	$36.99	$2.63
62	8-Nov-11	11	4	$34.08	Yes	$36.99	$2.91
63	8-Nov-11	11	5	$34.07	Yes	$36.99	$2.92
64	8-Nov-11	11	6	$32.52	Yes	$36.99	$4.47
65	8-Nov-11	11	7	$33.58	Yes	$36.99	$3.41
66	8-Nov-11	11	8	$30.76	Yes	$36.99	$6.23
67	8-Nov-11	11	9	$34.13	Yes	$36.99	$2.86
68	8-Nov-11	11	10	$37.39	Yes	$36.99	-$0.40
69	8-Nov-11	11	11	$36.75	Yes	$36.99	$0.24
70	8-Nov-11	11	12	$37.39	Yes	$36.99	-$0.40
71	8-Nov-11	12	1	$38.93	Yes	$36.99	-$1.94
72	8-Nov-11	12	2	$39.75	Yes	$36.99	-$2.76
73	8-Nov-11	12	3	$39.75	Yes	$36.99	-$2.76
74	8-Nov-11	12	4	$39.72	Yes	$36.99	-$2.73
75	8-Nov-11	12	5	$39.72	Yes	$36.99	-$2.73
76	8-Nov-11	12	6	$39.72	Yes	$36.99	-$2.73
77	8-Nov-11	12	7	$39.65	Yes	$36.99	-$2.66
78	8-Nov-11	12	8	$37.78	Yes	$36.99	-$0.79
79	8-Nov-11	12	9	$37.47	Yes	$36.99	-$0.48
80	8-Nov-11	12	10	$37.39	Yes	$36.99	-$0.40
81	8-Nov-11	12	11	$37.39	Yes	$36.99	-$0.40
82	8-Nov-11	12	12	$37.39	Yes	$36.99	-$0.40
83	8-Nov-11	13	1	$37.32	Yes	$36.99	-$0.33
84	8-Nov-11	13	2	$37.32	Yes	$36.99	-$0.33
85	8-Nov-11	13	3	$37.32	Yes	$36.99	-$0.33
86	8-Nov-11	13	4	$37.27	Yes	$36.99	-$0.28

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
87	8-Nov-11	13	5	$37.27	Yes	$36.99	-$0.28
88	8-Nov-11	13	6	$37.27	Yes	$36.99	-$0.28
89	8-Nov-11	13	7	$37.27	Yes	$36.99	-$0.28
90	8-Nov-11	13	8	$36.60	Yes	$36.99	$0.39
91	8-Nov-11	13	9	$36.58	Yes	$36.99	$0.41
92	8-Nov-11	13	10	$37.02	Yes	$36.99	-$0.03
93	8-Nov-11	13	11	$37.02	Yes	$36.99	-$0.03
94	8-Nov-11	13	12	$33.36	Yes	$36.99	$3.63
95	8-Nov-11	14	1	$32.61	Yes	$36.99	$4.38
96	8-Nov-11	14	2	$34.47	Yes	$36.99	$2.52
97	8-Nov-11	14	3	$34.47	Yes	$36.99	$2.52
98	8-Nov-11	14	4	$34.47	Yes	$36.99	$2.52
99	8-Nov-11	14	5	$34.20	Yes	$36.99	$2.79
100	8-Nov-11	14	6	$32.63	Yes	$36.99	$4.36
101	8-Nov-11	14	7	$34.47	Yes	$36.99	$2.52
102	8-Nov-11	14	8	$34.47	Yes	$36.99	$2.52
103	8-Nov-11	14	9	$34.47	Yes	$36.99	$2.52
104	8-Nov-11	14	10	$33.51	Yes	$36.99	$3.48
105	8-Nov-11	14	11	$33.29	Yes	$36.99	$3.70
106	8-Nov-11	14	12	$32.69	Yes	$36.99	$4.30
107	8-Nov-11	15	1	$36.97	Yes	$36.99	$0.02
108	8-Nov-11	15	2	$36.96	Yes	$36.99	$0.03
109	8-Nov-11	15	3	$34.65	Yes	$36.99	$2.34
110	8-Nov-11	15	4	$34.65	Yes	$36.99	$2.34
111	8-Nov-11	15	5	$34.69	Yes	$36.99	$2.30
112	8-Nov-11	15	6	$36.63	Yes	$36.99	$0.36
113	8-Nov-11	15	7	$36.75	Yes	$36.99	$0.24
114	8-Nov-11	15	8	$36.58	Yes	$36.99	$0.41
115	8-Nov-11	15	9	$36.58	Yes	$36.99	$0.41
116	8-Nov-11	15	10	$32.73	Yes	$36.99	$4.26
117	8-Nov-11	15	11	$36.70	Yes	$36.99	$0.29
118	8-Nov-11	15	12	$36.70	Yes	$36.99	$0.29
119	8-Nov-11	16	1	$32.16	Yes	$36.99	$4.83
120	8-Nov-11	16	2	$32.76	Yes	$36.99	$4.23
121	8-Nov-11	16	3	$34.65	Yes	$36.99	$2.34
122	8-Nov-11	16	4	$34.60	Yes	$36.99	$2.39
123	8-Nov-11	16	5	$34.68	Yes	$36.99	$2.31
124	8-Nov-11	16	6	$34.68	Yes	$36.99	$2.31
125	8-Nov-11	16	7	$34.73	Yes	$36.99	$2.26
126	8-Nov-11	16	8	$36.64	Yes	$36.99	$0.35
127	8-Nov-11	16	9	$36.79	Yes	$36.99	$0.20
128	8-Nov-11	16	10	$38.63	Yes	$36.99	-$1.64
129	8-Nov-11	16	11	$38.63	Yes	$36.99	-$1.64
130	8-Nov-11	16	12	$38.47	Yes	$36.99	-$1.48
131	8-Nov-11	17	1	$32.39	Yes	$36.99	$4.60

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
132	8-Nov-11	17	2	$30.72	Yes	$36.99	$6.27
133	8-Nov-11	17	3	$30.72	Yes	$36.99	$6.27
134	8-Nov-11	17	4	$32.64	Yes	$36.99	$4.35
135	8-Nov-11	17	5	$32.64	Yes	$36.99	$4.35
136	8-Nov-11	17	6	$32.64	Yes	$36.99	$4.35
137	8-Nov-11	17	7	$32.70	Yes	$36.99	$4.29
138	8-Nov-11	17	8	$32.69	Yes	$36.99	$4.30
139	8-Nov-11	17	9	$34.07	Yes	$36.99	$2.92
140	8-Nov-11	17	10	$31.38	Yes	$36.99	$5.61
141	8-Nov-11	17	11	$31.08	Yes	$36.99	$5.91
142	8-Nov-11	17	12	$29.98	Yes	$36.99	$7.01
143	8-Nov-11	18	1	$21.97	Yes	$36.99	$15.02
144	8-Nov-11	18	2	$21.84	Yes	$36.99	$15.15
145	8-Nov-11	18	3	$24.18	Yes	$36.99	$12.81
146	8-Nov-11	18	4	$25.05	Yes	$36.99	$11.94
147	8-Nov-11	18	5	$25.71	Yes	$36.99	$11.28
148	8-Nov-11	18	6	$30.56	Yes	$36.99	$6.43
149	8-Nov-11	18	7	$30.40	Yes	$36.99	$6.59
150	8-Nov-11	18	8	$32.25	Yes	$36.99	$4.74
151	8-Nov-11	18	9	$32.77	Yes	$36.99	$4.22
152	8-Nov-11	18	10	$38.50	Yes	$36.99	-$1.51
153	8-Nov-11	18	11	$84.27	Yes	$36.99	-$47.28
154	8-Nov-11	18	12	$121.54	Yes	$36.99	-$84.55
155	8-Nov-11	19	1	$73.64	Yes	$36.99	-$36.65
156	8-Nov-11	19	2	$73.33	Yes	$36.99	-$36.34
157	8-Nov-11	19	3	$62.52	Yes	$36.99	-$25.53
158	8-Nov-11	19	4	$66.12	Yes	$36.99	-$29.13
159	8-Nov-11	19	5	$58.07	Yes	$36.99	-$21.08
160	8-Nov-11	19	6	$58.07	Yes	$36.99	-$21.08
161	8-Nov-11	19	7	$66.11	Yes	$36.99	-$29.12
162	8-Nov-11	19	8	$32.93	Yes	$36.99	$4.06
163	8-Nov-11	19	9	$33.22	Yes	$36.99	$3.77
164	8-Nov-11	19	10	$33.19	Yes	$36.99	$3.80
165	8-Nov-11	19	11	$30.29	Yes	$36.99	$6.70
166	8-Nov-11	19	12	$29.65	Yes	$36.99	$7.34
167	8-Nov-11	20	1	$26.56	Yes	$36.99	$10.43
168	8-Nov-11	20	2	$25.75	Yes	$36.99	$11.24
169	8-Nov-11	20	3	$29.58	Yes	$36.99	$7.41
170	8-Nov-11	20	4	$26.44	Yes	$36.99	$10.55
171	8-Nov-11	20	5	$29.58	Yes	$36.99	$7.41
172	8-Nov-11	20	6	$41.31	Yes	$36.99	-$4.32
173	8-Nov-11	20	7	$43.36	Yes	$36.99	-$6.37
174	8-Nov-11	20	8	$33.61	Yes	$36.99	$3.38
175	8-Nov-11	20	9	$32.75	Yes	$36.99	$4.24
176	8-Nov-11	20	10	$31.28	Yes	$36.99	$5.71

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
177	8-Nov-11	20	11	$30.44	Yes	$36.99	$6.55
178	8-Nov-11	20	12	$29.59	Yes	$36.99	$7.40
179	8-Nov-11	21	1	$36.43	Yes	$36.99	$0.56
180	8-Nov-11	21	2	$39.74	Yes	$36.99	-$2.75
181	8-Nov-11	21	3	$46.57	Yes	$36.99	-$9.58
182	8-Nov-11	21	4	$41.13	Yes	$36.99	-$4.14
183	8-Nov-11	21	5	$42.63	Yes	$36.99	-$5.64
184	8-Nov-11	21	6	$40.59	Yes	$36.99	-$3.60
185	8-Nov-11	21	7	$39.34	Yes	$36.99	-$2.35
186	8-Nov-11	21	8	$36.90	Yes	$36.99	$0.09
187	8-Nov-11	21	9	$32.43	Yes	$36.99	$4.56
188	8-Nov-11	21	10	$32.34	Yes	$36.99	$4.65
189	8-Nov-11	21	11	$30.94	Yes	$36.99	$6.05
190	8-Nov-11	21	12	$32.34	Yes	$36.99	$4.65
191	8-Nov-11	22	1	$46.80	Yes	$36.99	-$9.81
192	8-Nov-11	22	2	$39.63	Yes	$36.99	-$2.64
193	8-Nov-11	22	3	$33.79	Yes	$36.99	$3.20
194	8-Nov-11	22	4	$32.35	Yes	$36.99	$4.64
195	8-Nov-11	22	5	$32.27	Yes	$36.99	$4.72
196	8-Nov-11	22	6	$32.23	Yes	$36.99	$4.76
197	8-Nov-11	22	7	$33.60	Yes	$36.99	$3.39
198	8-Nov-11	22	8	$32.30	Yes	$36.99	$4.69
199	8-Nov-11	22	9	$32.23	Yes	$36.99	$4.76
200	8-Nov-11	22	10	$30.92	Yes	$36.99	$6.07
201	8-Nov-11	22	11	$30.92	Yes	$36.99	$6.07
202	8-Nov-11	22	12	$31.98	Yes	$36.99	$5.01
203	8-Nov-11	23	1	$59.52	Yes	$36.99	-$22.53
204	8-Nov-11	23	2	$128.77	Yes	$36.99	-$91.78
205	8-Nov-11	23	3	$52.72	Yes	$36.99	-$15.73
206	8-Nov-11	23	4	$86.86	Yes	$36.99	-$49.87
207	8-Nov-11	23	5	$74.45	Yes	$36.99	-$37.46
208	8-Nov-11	23	6	$62.25	Yes	$36.99	-$25.26
209	8-Nov-11	23	7	$47.35	Yes	$36.99	-$10.36
210	8-Nov-11	23	8	$31.74	Yes	$36.99	$5.25
211	8-Nov-11	23	9	$31.57	Yes	$36.99	$5.42
212	8-Nov-11	23	10	$31.48	Yes	$36.99	$5.51
213	8-Nov-11	23	11	$30.46	Yes	$36.99	$6.53
214	8-Nov-11	23	12	$29.98	Yes	$36.99	$7.01
215	8-Nov-11	24	1	$42.91	Yes	$36.99	-$5.92
216	8-Nov-11	24	2	$40.87	Yes	$36.99	-$3.88
217	8-Nov-11	24	3	$42.76	Yes	$36.99	-$5.77
218	8-Nov-11	24	4	$40.07	Yes	$36.99	-$3.08
219	8-Nov-11	24	5	$40.45	Yes	$36.99	-$3.46
220	8-Nov-11	24	6	$39.63	Yes	$36.99	-$2.64
221	8-Nov-11	24	7	$38.41	Yes	$36.99	-$1.42

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
222	8-Nov-11	24	8	$34.44	Yes	$36.99	$2.55
223	8-Nov-11	24	9	$32.17	Yes	$36.99	$4.82
224	8-Nov-11	24	10	$31.16	Yes	$36.99	$5.83
225	8-Nov-11	24	11	$31.16	Yes	$36.99	$5.83
226	8-Nov-11	24	12	$31.16	Yes	$36.99	$5.83
227	9-Nov-11	13	1	$23.79	Yes	$37.80	$14.01
228	9-Nov-11	13	2	$24.02	Yes	$37.80	$13.78
229	9-Nov-11	13	3	$24.02	Yes	$37.80	$13.78
230	9-Nov-11	13	4	$23.19	Yes	$37.80	$14.61
231	9-Nov-11	13	5	$23.95	Yes	$37.80	$13.85
232	9-Nov-11	13	6	$24.05	Yes	$37.80	$13.75
233	9-Nov-11	13	7	$24.05	Yes	$37.80	$13.75
234	9-Nov-11	13	8	$24.06	Yes	$37.80	$13.74
235	9-Nov-11	13	9	$23.87	Yes	$37.80	$13.93
236	9-Nov-11	13	10	$23.32	Yes	$37.80	$14.48
237	9-Nov-11	13	11	$23.99	Yes	$37.80	$13.81
238	9-Nov-11	13	12	$25.30	Yes	$37.80	$12.50
239	9-Nov-11	14	1	$24.20	Yes	$37.80	$13.60
240	9-Nov-11	14	2	$25.79	Yes	$37.80	$12.01
241	9-Nov-11	14	3	$37.75	Yes	$37.80	$0.05
242	9-Nov-11	14	4	$25.71	Yes	$37.80	$12.09
243	9-Nov-11	14	5	$25.71	Yes	$37.80	$12.09
244	9-Nov-11	14	6	$25.71	Yes	$37.80	$12.09
245	9-Nov-11	14	7	$25.76	Yes	$37.80	$12.04
246	9-Nov-11	14	8	$28.16	Yes	$37.80	$9.64
247	9-Nov-11	14	9	$28.24	Yes	$37.80	$9.56
248	9-Nov-11	14	10	$31.31	Yes	$37.80	$6.49
249	9-Nov-11	14	11	$28.16	Yes	$37.80	$9.64
250	9-Nov-11	14	12	$26.44	Yes	$37.80	$11.36
251	9-Nov-11	15	1	$30.59	Yes	$37.80	$7.21
252	9-Nov-11	15	2	$30.59	Yes	$37.80	$7.21
253	9-Nov-11	15	3	$39.24	Yes	$37.80	-$1.44
254	9-Nov-11	15	4	$33.02	Yes	$37.80	$4.78
255	9-Nov-11	15	5	$26.59	Yes	$37.80	$11.21
256	9-Nov-11	15	6	$28.53	Yes	$37.80	$9.27
257	9-Nov-11	15	7	$28.53	Yes	$37.80	$9.27
258	9-Nov-11	15	8	$29.96	Yes	$37.80	$7.84
259	9-Nov-11	15	9	$29.96	Yes	$37.80	$7.84
260	9-Nov-11	15	10	$28.27	Yes	$37.80	$9.53
261	9-Nov-11	15	11	$28.27	Yes	$37.80	$9.53
262	9-Nov-11	15	12	$25.98	Yes	$37.80	$11.82
263	9-Nov-11	16	1	$25.34	Yes	$37.80	$12.46
264	9-Nov-11	16	2	$25.85	Yes	$37.80	$11.95
265	9-Nov-11	16	3	$25.93	Yes	$37.80	$11.87
266	9-Nov-11	16	4	$31.37	Yes	$37.80	$6.43

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
267	9-Nov-11	16	5	$28.23	Yes	$37.80	$9.57
268	9-Nov-11	16	6	$28.23	Yes	$37.80	$9.57
269	9-Nov-11	16	7	$28.29	Yes	$37.80	$9.51
270	9-Nov-11	16	8	$28.32	Yes	$37.80	$9.48
271	9-Nov-11	16	9	$25.59	Yes	$37.80	$12.21
272	9-Nov-11	16	10	$28.89	Yes	$37.80	$8.91
273	9-Nov-11	16	11	$28.32	Yes	$37.80	$9.48
274	9-Nov-11	16	12	$26.94	Yes	$37.80	$10.86
275	9-Nov-11	17	1	$24.10	Yes	$37.80	$13.70
276	9-Nov-11	17	2	$23.56	Yes	$37.80	$14.24
277	9-Nov-11	17	3	$23.56	Yes	$37.80	$14.24
278	9-Nov-11	17	4	$25.41	Yes	$37.80	$12.39
279	9-Nov-11	17	5	$25.26	Yes	$37.80	$12.54
280	9-Nov-11	17	6	$25.38	Yes	$37.80	$12.42
281	9-Nov-11	17	7	$25.28	Yes	$37.80	$12.52
282	9-Nov-11	17	8	$28.44	Yes	$37.80	$9.36
283	9-Nov-11	17	9	$27.66	Yes	$37.80	$10.14
284	9-Nov-11	17	10	$28.49	Yes	$37.80	$9.31
285	9-Nov-11	17	11	$30.11	Yes	$37.80	$7.69
286	9-Nov-11	17	12	$26.49	Yes	$37.80	$11.31
287	9-Nov-11	18	1	$24.08	Yes	$37.80	$13.72
288	9-Nov-11	18	2	$24.08	Yes	$37.80	$13.72
289	9-Nov-11	18	3	$24.35	Yes	$37.80	$13.45
290	9-Nov-11	18	4	$28.19	Yes	$37.80	$9.61
291	9-Nov-11	18	5	$38.28	Yes	$37.80	-$0.48
292	9-Nov-11	18	6	$84.99	Yes	$37.80	-$47.19
293	9-Nov-11	18	7	$32.57	Yes	$37.80	$5.23
294	9-Nov-11	18	8	$204.28	Yes	$37.80	-$166.48
295	9-Nov-11	18	9	$796.41	Yes	$37.80	-$758.61
296	9-Nov-11	18	10	$1,340.14	Yes	$37.80	-$1,302.34
297	9-Nov-11	18	11	$1,340.14	Yes	$37.80	-$1,302.34
298	9-Nov-11	18	12	$26.14	Yes	$37.80	$11.66
299	9-Nov-11	19	1	$25.10	Yes	$37.80	$12.70
300	9-Nov-11	19	2	$25.10	Yes	$37.80	$12.70
301	9-Nov-11	19	3	$25.84	Yes	$37.80	$11.96
302	9-Nov-11	19	4	$25.76	Yes	$37.80	$12.04
303	9-Nov-11	19	5	$25.76	Yes	$37.80	$12.04
304	9-Nov-11	19	6	$25.14	Yes	$37.80	$12.66
305	9-Nov-11	19	7	$25.16	Yes	$37.80	$12.64
306	9-Nov-11	19	8	$25.23	Yes	$37.80	$12.57
307	9-Nov-11	19	9	$25.23	Yes	$37.80	$12.57
308	9-Nov-11	19	10	$25.11	Yes	$37.80	$12.69
309	9-Nov-11	19	11	$25.11	Yes	$37.80	$12.69
310	9-Nov-11	19	12	$24.40	Yes	$37.80	$13.40
311	9-Nov-11	20	1	$25.07	Yes	$37.80	$12.73

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
312	9-Nov-11	20	2	$25.08	Yes	$37.80	$12.72
313	9-Nov-11	20	3	$25.79	Yes	$37.80	$12.01
314	9-Nov-11	20	4	$25.79	Yes	$37.80	$12.01
315	9-Nov-11	20	5	$25.68	Yes	$37.80	$12.12
316	9-Nov-11	20	6	$25.68	Yes	$37.80	$12.12
317	9-Nov-11	20	7	$25.81	Yes	$37.80	$11.99
318	9-Nov-11	20	8	$25.84	Yes	$37.80	$11.96
319	9-Nov-11	20	9	$25.16	Yes	$37.80	$12.64
320	9-Nov-11	20	10	$25.34	Yes	$37.80	$12.46
321	9-Nov-11	20	11	$25.34	Yes	$37.80	$12.46
322	9-Nov-11	20	12	$25.28	Yes	$37.80	$12.52
323	10-Nov-11	15	11	$27.11	Yes	$39.05	$11.94
324	10-Nov-11	15	12	$29.53	Yes	$39.05	$9.52
325	10-Nov-11	16	1	$26.40	Yes	$39.05	$12.65
326	10-Nov-11	16	2	$26.40	Yes	$39.05	$12.65
327	10-Nov-11	16	3	$27.67	Yes	$39.05	$11.38
328	10-Nov-11	16	4	$26.15	Yes	$39.05	$12.90
329	10-Nov-11	16	5	$26.15	Yes	$39.05	$12.90
330	10-Nov-11	16	6	$26.15	Yes	$39.05	$12.90
331	10-Nov-11	16	7	$26.16	Yes	$39.05	$12.89
332	10-Nov-11	16	8	$26.16	Yes	$39.05	$12.89
333	10-Nov-11	16	9	$26.16	Yes	$39.05	$12.89
334	10-Nov-11	16	10	$26.11	Yes	$39.05	$12.94
335	10-Nov-11	16	11	$26.11	Yes	$39.05	$12.94
336	10-Nov-11	16	12	$26.94	Yes	$39.05	$12.11
337	10-Nov-11	17	1	$22.20	Yes	$39.05	$16.85
338	10-Nov-11	17	2	$23.26	Yes	$39.05	$15.79
339	10-Nov-11	17	3	$24.44	Yes	$39.05	$14.61
340	10-Nov-11	17	4	$25.64	Yes	$39.05	$13.41
341	10-Nov-11	17	5	$25.64	Yes	$39.05	$13.41
342	10-Nov-11	17	6	$25.97	Yes	$39.05	$13.08
343	10-Nov-11	17	7	$26.42	Yes	$39.05	$12.63
344	10-Nov-11	17	8	$26.92	Yes	$39.05	$12.13
345	10-Nov-11	17	9	$28.16	Yes	$39.05	$10.89
346	10-Nov-11	17	10	$29.05	Yes	$39.05	$10.00
347	10-Nov-11	17	11	$33.33	Yes	$39.05	$5.72
348	10-Nov-11	17	12	$34.38	Yes	$39.05	$4.67
349	10-Nov-11	18	1	$20.61	No	$39.05	$18.44
350	10-Nov-11	18	2	$23.40	No	$39.05	$15.65
351	10-Nov-11	18	3	$23.42	No	$39.05	$15.63
352	10-Nov-11	18	4	$27.18	No	$39.05	$11.87
353	10-Nov-11	18	5	$27.98	No	$39.05	$11.07
354	10-Nov-11	18	6	$28.51	No	$39.05	$10.54
355	10-Nov-11	18	7	$28.49	No	$39.05	$10.56
356	10-Nov-11	18	8	$28.05	No	$39.05	$11.00

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
357	10-Nov-11	18	9	$28.20	No	$39.05	$10.85
358	10-Nov-11	18	10	$28.03	No	$39.05	$11.02
359	10-Nov-11	18	11	$28.48	No	$39.05	$10.57
360	10-Nov-11	18	12	$28.46	No	$39.05	$10.59
361	10-Nov-11	19	1	$26.67	No	$39.05	$12.38
362	10-Nov-11	19	2	$26.51	No	$39.05	$12.54
363	10-Nov-11	19	3	$25.64	No	$39.05	$13.41
364	10-Nov-11	19	4	$25.72	No	$39.05	$13.33
365	10-Nov-11	19	5	$26.74	No	$39.05	$12.31
366	10-Nov-11	19	6	$26.74	No	$39.05	$12.31
367	10-Nov-11	19	7	$26.83	No	$39.05	$12.22
368	10-Nov-11	19	8	$26.95	No	$39.05	$12.10
369	10-Nov-11	19	9	$25.82	No	$39.05	$13.23
370	10-Nov-11	19	10	$25.72	No	$39.05	$13.33
371	10-Nov-11	19	11	$25.66	No	$39.05	$13.39
372	10-Nov-11	19	12	$25.72	No	$39.05	$13.33
373	10-Nov-11	20	1	$26.55	No	$39.05	$12.50
374	10-Nov-11	20	2	$26.85	No	$39.05	$12.20
375	10-Nov-11	20	3	$26.85	No	$39.05	$12.20
376	10-Nov-11	20	4	$26.78	No	$39.05	$12.27
377	10-Nov-11	20	5	$26.78	No	$39.05	$12.27
378	10-Nov-11	20	6	$26.78	No	$39.05	$12.27
379	10-Nov-11	20	7	$26.55	No	$39.05	$12.50
380	10-Nov-11	20	8	$26.64	No	$39.05	$12.41
381	10-Nov-11	20	9	$26.64	No	$39.05	$12.41
382	10-Nov-11	20	10	$26.56	No	$39.05	$12.49
383	10-Nov-11	20	11	$26.56	No	$39.05	$12.49
384	10-Nov-11	20	12	$26.56	No	$39.05	$12.49
385	11-Nov-11	9	10	$31.96	Yes	$37.97	$6.01
386	11-Nov-11	9	11	$33.62	Yes	$37.97	$4.35
387	11-Nov-11	9	12	$32.38	Yes	$37.97	$5.59
388	11-Nov-11	10	1	$33.52	Yes	$37.97	$4.45
389	11-Nov-11	10	2	$33.52	Yes	$37.97	$4.45
390	11-Nov-11	10	3	$34.13	Yes	$37.97	$3.84
391	11-Nov-11	10	4	$29.90	Yes	$37.97	$8.07
392	11-Nov-11	10	5	$31.91	Yes	$37.97	$6.06
393	11-Nov-11	10	6	$32.54	Yes	$37.97	$5.43
394	11-Nov-11	10	7	$38.46	Yes	$37.97	-$0.49
395	11-Nov-11	10	8	$39.43	Yes	$37.97	-$1.46
396	11-Nov-11	10	9	$45.57	Yes	$37.97	-$7.60
397	11-Nov-11	10	10	$56.45	Yes	$37.97	-$18.48
398	11-Nov-11	10	11	$52.97	Yes	$37.97	-$15.00
399	11-Nov-11	10	12	$51.76	Yes	$37.97	-$13.79
400	11-Nov-11	11	1	$47.88	No	$37.97	-$9.91
401	11-Nov-11	11	2	$47.73	No	$37.97	-$9.76

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
402	11-Nov-11	11	3	$46.64	No	$37.97	-$8.67
403	11-Nov-11	11	4	$45.81	No	$37.97	-$7.84
404	11-Nov-11	11	5	$45.65	No	$37.97	-$7.68
405	11-Nov-11	11	6	$45.81	No	$37.97	-$7.84
406	11-Nov-11	11	7	$45.78	No	$37.97	-$7.81
407	11-Nov-11	11	8	$46.04	No	$37.97	-$8.07
408	11-Nov-11	11	9	$45.71	No	$37.97	-$7.74
409	11-Nov-11	11	10	$45.76	No	$37.97	-$7.79
410	11-Nov-11	11	11	$45.64	No	$37.97	-$7.67
411	11-Nov-11	11	12	$36.64	No	$37.97	$1.33
412	11-Nov-11	12	1	$42.26	Yes	$37.97	-$4.29
413	11-Nov-11	12	2	$36.77	Yes	$37.97	$1.20
414	11-Nov-11	12	3	$34.59	Yes	$37.97	$3.38
415	11-Nov-11	12	4	$36.78	Yes	$37.97	$1.19
416	11-Nov-11	12	5	$36.76	Yes	$37.97	$1.21
417	11-Nov-11	12	6	$36.76	Yes	$37.97	$1.21
418	11-Nov-11	12	7	$39.04	Yes	$37.97	-$1.07
419	11-Nov-11	12	8	$34.94	Yes	$37.97	$3.03
420	11-Nov-11	12	9	$30.02	Yes	$37.97	$7.95
421	11-Nov-11	12	10	$26.84	Yes	$37.97	$11.13
422	11-Nov-11	12	11	$27.59	Yes	$37.97	$10.38
423	11-Nov-11	12	12	$25.93	Yes	$37.97	$12.04
424	11-Nov-11	13	1	$29.53	No	$37.97	$8.44
425	11-Nov-11	13	2	$27.93	No	$37.97	$10.04
426	11-Nov-11	13	3	$27.91	No	$37.97	$10.06
427	11-Nov-11	13	4	$27.90	No	$37.97	$10.07
428	11-Nov-11	13	5	$29.55	No	$37.97	$8.42
429	11-Nov-11	13	6	$27.94	No	$37.97	$10.03
430	11-Nov-11	13	7	$29.07	No	$37.97	$8.90
431	11-Nov-11	13	8	$29.47	No	$37.97	$8.50
432	11-Nov-11	13	9	$29.47	No	$37.97	$8.50
433	11-Nov-11	13	10	$27.98	No	$37.97	$9.99
434	11-Nov-11	13	11	$29.37	No	$37.97	$8.60
435	11-Nov-11	13	12	$33.03	No	$37.97	$4.94
436	11-Nov-11	14	1	$29.73	No	$37.97	$8.24
437	11-Nov-11	14	2	$29.55	No	$37.97	$8.42
438	11-Nov-11	14	3	$29.73	No	$37.97	$8.24
439	11-Nov-11	14	4	$33.56	No	$37.97	$4.41
440	11-Nov-11	14	5	$39.33	No	$37.97	-$1.36
441	11-Nov-11	14	6	$39.19	No	$37.97	-$1.22
442	11-Nov-11	14	7	$39.14	No	$37.97	-$1.17
443	11-Nov-11	14	8	$33.51	No	$37.97	$4.46
444	11-Nov-11	14	9	$33.51	No	$37.97	$4.46
445	11-Nov-11	14	10	$33.08	No	$37.97	$4.89
446	11-Nov-11	14	11	$32.00	No	$37.97	$5.97

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
447	11-Nov-11	14	12	$29.54	No	$37.97	$8.43
448	11-Nov-11	15	1	$33.45	Yes	$37.97	$4.52
449	11-Nov-11	15	2	$33.45	Yes	$37.97	$4.52
450	11-Nov-11	15	3	$33.45	Yes	$37.97	$4.52
451	11-Nov-11	15	4	$33.40	Yes	$37.97	$4.57
452	11-Nov-11	15	5	$33.40	Yes	$37.97	$4.57
453	11-Nov-11	15	6	$33.40	Yes	$37.97	$4.57
454	11-Nov-11	15	7	$32.46	Yes	$37.97	$5.51
455	11-Nov-11	15	8	$31.87	Yes	$37.97	$6.10
456	11-Nov-11	15	9	$33.40	Yes	$37.97	$4.57
457	11-Nov-11	15	10	$31.90	Yes	$37.97	$6.07
458	11-Nov-11	15	11	$33.41	Yes	$37.97	$4.56
459	11-Nov-11	15	12	$36.98	Yes	$37.97	$0.99
460	11-Nov-11	16	1	$38.95	Yes	$37.97	-$0.98
461	11-Nov-11	16	2	$37.88	Yes	$37.97	$0.09
462	11-Nov-11	16	3	$37.89	Yes	$37.97	$0.08
463	11-Nov-11	16	4	$35.83	Yes	$37.97	$2.14
464	11-Nov-11	16	5	$33.83	Yes	$37.97	$4.14
465	11-Nov-11	16	6	$36.81	Yes	$37.97	$1.16
466	11-Nov-11	16	7	$36.77	Yes	$37.97	$1.20
467	11-Nov-11	16	8	$35.94	Yes	$37.97	$2.03
468	11-Nov-11	16	9	$35.94	Yes	$37.97	$2.03
469	11-Nov-11	16	10	$36.56	Yes	$37.97	$1.41
470	11-Nov-11	16	11	$37.03	Yes	$37.97	$0.94
471	11-Nov-11	16	12	$39.13	Yes	$37.97	-$1.16
472	11-Nov-11	17	1	$31.50	Yes	$37.97	$6.47
473	11-Nov-11	17	2	$32.57	Yes	$37.97	$5.40
474	11-Nov-11	17	3	$33.47	Yes	$37.97	$4.50
475	11-Nov-11	17	4	$29.54	Yes	$37.97	$8.43
476	11-Nov-11	17	5	$29.62	Yes	$37.97	$8.35
477	11-Nov-11	17	6	$31.35	Yes	$37.97	$6.62
478	11-Nov-11	17	7	$29.63	Yes	$37.97	$8.34
479	11-Nov-11	17	8	$33.15	Yes	$37.97	$4.82
480	11-Nov-11	17	9	$36.22	Yes	$37.97	$1.75
481	11-Nov-11	17	10	$36.40	Yes	$37.97	$1.57
482	11-Nov-11	17	11	$37.03	Yes	$37.97	$0.94
483	11-Nov-11	17	12	$39.04	Yes	$37.97	-$1.07
484	11-Nov-11	18	1	$26.28	No	$37.97	$11.69
485	11-Nov-11	18	2	$27.90	No	$37.97	$10.07
486	11-Nov-11	18	3	$28.04	No	$37.97	$9.93
487	11-Nov-11	18	4	$27.42	No	$37.97	$10.55
488	11-Nov-11	18	5	$33.55	No	$37.97	$4.42
489	11-Nov-11	18	6	$37.26	No	$37.97	$0.71
490	11-Nov-11	18	7	$32.67	No	$37.97	$5.30
491	11-Nov-11	18	8	$29.59	No	$37.97	$8.38

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
492	11-Nov-11	18	8	$29.59	No	$37.97	$8.38
493	11-Nov-11	18	9	$29.59	No	$37.97	$8.38
494	11-Nov-11	18	9	$29.59	No	$37.97	$8.38
495	11-Nov-11	18	10	$29.54	No	$37.97	$8.43
496	11-Nov-11	18	10	$29.54	No	$37.97	$8.43
497	11-Nov-11	18	11	$27.72	No	$37.97	$10.25
498	11-Nov-11	18	11	$27.72	No	$37.97	$10.25
499	11-Nov-11	18	12	$29.54	No	$37.97	$8.43
500	11-Nov-11	18	12	$29.54	No	$37.97	$8.43
501	11-Nov-11	19	1	$27.60	No	$37.97	$10.37
502	11-Nov-11	19	2	$26.52	No	$37.97	$11.45
503	11-Nov-11	19	3	$27.78	No	$37.97	$10.19
504	11-Nov-11	19	4	$27.59	No	$37.97	$10.38
505	11-Nov-11	19	5	$27.59	No	$37.97	$10.38
506	11-Nov-11	19	6	$26.49	No	$37.97	$11.48
507	11-Nov-11	19	7	$26.23	No	$37.97	$11.74
508	11-Nov-11	19	8	$26.68	No	$37.97	$11.30
509	11-Nov-11	19	9	$26.06	No	$37.97	$11.91
510	11-Nov-11	19	10	$25.55	No	$37.97	$12.42
511	11-Nov-11	19	11	$25.85	No	$37.97	$12.12
512	11-Nov-11	19	12	$26.07	No	$37.97	$11.90
513	11-Nov-11	20	1	$27.94	No	$37.97	$10.03
514	11-Nov-11	20	2	$29.03	No	$37.97	$8.94
515	11-Nov-11	20	3	$33.14	No	$37.97	$4.83
516	11-Nov-11	20	4	$29.08	No	$37.97	$8.89
517	11-Nov-11	20	5	$27.85	No	$37.97	$10.12
518	11-Nov-11	20	6	$27.77	No	$37.97	$10.20
519	11-Nov-11	20	7	$26.33	No	$37.97	$11.64
520	11-Nov-11	20	8	$26.25	No	$37.97	$11.72
521	11-Nov-11	20	9	$25.93	No	$37.97	$12.04
522	11-Nov-11	20	10	$25.96	No	$37.97	$12.01
523	11-Nov-11	20	11	$24.63	No	$37.97	$13.34
524	11-Nov-11	20	12	$24.20	No	$37.97	$13.77
525	11-Nov-11	21	1	$28.27	Yes	$37.97	$9.70
526	11-Nov-11	21	2	$27.89	Yes	$37.97	$10.08
527	11-Nov-11	21	3	$26.53	Yes	$37.97	$11.44
528	11-Nov-11	21	4	$26.61	Yes	$37.97	$11.36
529	11-Nov-11	21	5	$26.93	Yes	$37.97	$11.04
530	11-Nov-11	21	6	$26.42	Yes	$37.97	$11.55
531	11-Nov-11	21	7	$27.78	Yes	$37.97	$10.19
532	11-Nov-11	21	8	$26.89	Yes	$37.97	$11.08
533	11-Nov-11	21	9	$26.89	Yes	$37.97	$11.08
534	11-Nov-11	21	10	$25.70	Yes	$37.97	$12.27
535	11-Nov-11	21	11	$25.70	Yes	$37.97	$12.27
536	11-Nov-11	21	12	$24.16	Yes	$37.97	$13.81

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
537	11-Nov-11	22	1	$29.68	Yes	$37.97	$8.29
538	11-Nov-11	22	2	$27.44	Yes	$37.97	$10.53
539	11-Nov-11	22	3	$24.16	Yes	$37.97	$13.81
540	11-Nov-11	22	4	$26.04	Yes	$37.97	$11.93
541	11-Nov-11	22	5	$25.60	Yes	$37.97	$12.37
542	11-Nov-11	22	6	$27.66	Yes	$37.97	$10.31
543	11-Nov-11	22	7	$24.42	Yes	$37.97	$13.55
544	11-Nov-11	22	8	$26.01	Yes	$37.97	$11.96
545	11-Nov-11	22	9	$25.85	Yes	$37.97	$12.12
546	11-Nov-11	22	10	$24.09	Yes	$37.97	$13.88
547	11-Nov-11	22	11	$24.39	Yes	$37.97	$13.58
548	11-Nov-11	22	12	$23.73	Yes	$37.97	$14.24
549	15-Nov-11	16	7	$28.21	No	$35.56	$7.35
550	15-Nov-11	16	8	$29.37	No	$35.56	$6.19
551	15-Nov-11	16	9	$31.28	No	$35.56	$4.28
552	15-Nov-11	16	10	$30.95	No	$35.56	$4.61
553	15-Nov-11	16	11	$29.36	No	$35.56	$6.20
554	15-Nov-11	16	12	$27.65	No	$35.56	$7.91
555	15-Nov-11	17	1	$25.99	No	$35.56	$9.57
556	15-Nov-11	17	2	$25.42	No	$35.56	$10.14
557	15-Nov-11	17	3	$23.25	No	$35.56	$12.31
558	15-Nov-11	17	4	$24.55	No	$35.56	$11.01
559	15-Nov-11	17	5	$24.84	No	$35.56	$10.72
560	15-Nov-11	17	6	$24.90	No	$35.56	$10.66
561	15-Nov-11	17	7	$26.71	No	$35.56	$8.85
562	15-Nov-11	17	8	$35.54	No	$35.56	$0.02
563	15-Nov-11	17	9	$41.85	No	$35.56	-$6.29
564	15-Nov-11	17	10	$36.01	No	$35.56	-$0.45
565	15-Nov-11	17	11	$39.29	No	$35.56	-$3.73
566	15-Nov-11	17	12	$39.69	No	$35.56	-$4.13
567	15-Nov-11	18	1	$25.67	Yes	$35.56	$9.89
568	15-Nov-11	18	2	$28.30	Yes	$35.56	$7.26
569	15-Nov-11	18	3	$24.38	Yes	$35.56	$11.18
570	15-Nov-11	18	4	$26.17	Yes	$35.56	$9.39
571	15-Nov-11	18	5	$24.34	Yes	$35.56	$11.22
572	15-Nov-11	18	6	$25.08	Yes	$35.56	$10.48
573	15-Nov-11	18	7	$31.94	Yes	$35.56	$3.62
574	15-Nov-11	18	8	$28.40	Yes	$35.56	$7.16
575	15-Nov-11	18	9	$28.40	Yes	$35.56	$7.16
576	15-Nov-11	18	10	$28.33	Yes	$35.56	$7.23
577	15-Nov-11	18	11	$28.35	Yes	$35.56	$7.21
578	15-Nov-11	18	12	$31.81	Yes	$35.56	$3.75
579	15-Nov-11	19	1	$26.20	No	$35.56	$9.36
580	15-Nov-11	19	2	$28.29	No	$35.56	$7.27
581	15-Nov-11	19	3	$25.85	No	$35.56	$9.71

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
582	15-Nov-11	19	4	$25.27	No	$35.56	$10.29
583	15-Nov-11	19	5	$25.92	No	$35.56	$9.64
584	15-Nov-11	19	6	$24.82	No	$35.56	$10.74
585	15-Nov-11	19	7	$27.96	No	$35.56	$7.60
586	15-Nov-11	19	8	$27.98	No	$35.56	$7.58
587	15-Nov-11	19	9	$27.98	No	$35.56	$7.58
588	15-Nov-11	19	10	$26.21	No	$35.56	$9.35
589	15-Nov-11	19	11	$26.21	No	$35.56	$9.35
590	15-Nov-11	19	12	$24.75	No	$35.56	$10.81
591	15-Nov-11	20	1	$27.20	No	$35.56	$8.36
592	15-Nov-11	20	2	$30.28	No	$35.56	$5.28
593	15-Nov-11	20	3	$28.53	No	$35.56	$7.03
594	15-Nov-11	20	4	$40.13	No	$35.56	-$4.57
595	15-Nov-11	20	5	$36.32	No	$35.56	-$0.76
596	15-Nov-11	20	6	$36.14	No	$35.56	-$0.58
597	15-Nov-11	20	7	$36.06	No	$35.56	-$0.50
598	15-Nov-11	20	8	$36.01	No	$35.56	-$0.45
599	15-Nov-11	20	9	$36.01	No	$35.56	-$0.45
600	15-Nov-11	20	10	$36.06	No	$35.56	-$0.50
601	15-Nov-11	20	11	$28.21	No	$35.56	$7.35
602	15-Nov-11	20	12	$27.18	No	$35.56	$8.38
603	15-Nov-11	21	1	$42.16	No	$35.56	-$6.60
604	15-Nov-11	21	2	$41.32	No	$35.56	-$5.76
605	15-Nov-11	21	3	$37.46	No	$35.56	-$1.90
606	15-Nov-11	21	4	$37.63	No	$35.56	-$2.07
607	15-Nov-11	21	5	$37.06	No	$35.56	-$1.50
608	15-Nov-11	21	6	$37.06	No	$35.56	-$1.50
609	15-Nov-11	21	7	$36.94	No	$35.56	-$1.38
610	15-Nov-11	21	8	$35.72	No	$35.56	-$0.16
611	15-Nov-11	21	9	$34.48	No	$35.56	$1.08
612	15-Nov-11	21	10	$28.82	No	$35.56	$6.74
613	15-Nov-11	21	11	$27.58	No	$35.56	$7.98
614	15-Nov-11	21	12	$25.45	No	$35.56	$10.11
615	17-Nov-11	16	7	$24.79	Yes	$37.51	$12.72
616	17-Nov-11	16	8	$24.90	Yes	$37.51	$12.61
617	17-Nov-11	16	9	$24.90	Yes	$37.51	$12.61
618	17-Nov-11	16	10	$20.45	Yes	$37.51	$17.06
619	17-Nov-11	16	11	$23.22	Yes	$37.51	$14.29
620	17-Nov-11	16	12	$23.22	Yes	$37.51	$14.29
621	17-Nov-11	17	1	$24.44	Yes	$37.51	$13.07
622	17-Nov-11	17	2	$20.85	Yes	$37.51	$16.66
623	17-Nov-11	17	3	$14.45	Yes	$37.51	$23.06
624	17-Nov-11	17	4	$20.56	Yes	$37.51	$16.95
625	17-Nov-11	17	5	$21.92	Yes	$37.51	$15.59
626	17-Nov-11	17	6	$24.06	Yes	$37.51	$13.45

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
627	17-Nov-11	17	7	$26.35	Yes	$37.51	$11.16
628	17-Nov-11	17	8	$26.17	Yes	$37.51	$11.34
629	17-Nov-11	17	9	$26.39	Yes	$37.51	$11.12
630	17-Nov-11	17	10	$23.38	Yes	$37.51	$14.13
631	17-Nov-11	17	11	$26.29	Yes	$37.51	$11.22
632	17-Nov-11	17	12	$26.29	Yes	$37.51	$11.22
633	17-Nov-11	18	1	$26.77	No	$37.51	$10.74
634	17-Nov-11	18	2	$42.72	No	$37.51	-$5.21
635	17-Nov-11	18	3	$42.21	No	$37.51	-$4.70
636	17-Nov-11	18	4	$29.04	No	$37.51	$8.47
637	17-Nov-11	18	5	$29.04	No	$37.51	$8.47
638	17-Nov-11	18	6	$29.04	No	$37.51	$8.47
639	17-Nov-11	18	7	$29.04	No	$37.51	$8.47
640	17-Nov-11	18	8	$29.04	No	$37.51	$8.47
641	17-Nov-11	18	9	$29.04	No	$37.51	$8.47
642	17-Nov-11	18	10	$43.16	No	$37.51	-$5.65
643	17-Nov-11	18	11	$44.72	No	$37.51	-$7.21
644	17-Nov-11	18	12	$46.83	No	$37.51	-$9.32
645	17-Nov-11	19	1	$44.37	No	$37.51	-$6.86
646	17-Nov-11	19	2	$44.19	No	$37.51	-$6.68
647	17-Nov-11	19	3	$43.46	No	$37.51	-$5.95
648	17-Nov-11	19	4	$40.67	No	$37.51	-$3.16
649	17-Nov-11	19	5	$39.07	No	$37.51	-$1.56
650	17-Nov-11	19	6	$39.07	No	$37.51	-$1.56
651	17-Nov-11	19	7	$39.06	No	$37.51	-$1.55
652	17-Nov-11	19	8	$31.87	No	$37.51	$5.64
653	17-Nov-11	19	9	$31.78	No	$37.51	$5.73
654	17-Nov-11	19	10	$30.28	No	$37.51	$7.23
655	17-Nov-11	19	11	$29.26	No	$37.51	$8.25
656	17-Nov-11	19	12	$26.64	No	$37.51	$10.87
657	18-Nov-11	21	11	$25.48	Yes	$34.16	$8.68
658	18-Nov-11	21	12	$23.75	Yes	$34.16	$10.41
659	18-Nov-11	22	1	$32.90	Yes	$34.16	$1.26
660	18-Nov-11	22	2	$34.31	Yes	$34.16	-$0.15
661	18-Nov-11	22	3	$25.40	Yes	$34.16	$8.76
662	18-Nov-11	22	4	$28.69	Yes	$34.16	$5.47
663	18-Nov-11	22	5	$28.69	Yes	$34.16	$5.47
664	18-Nov-11	22	6	$28.69	Yes	$34.16	$5.47
665	18-Nov-11	22	7	$28.72	Yes	$34.16	$5.44
666	18-Nov-11	22	8	$25.69	Yes	$34.16	$8.47
667	18-Nov-11	22	9	$25.69	Yes	$34.16	$8.47
668	18-Nov-11	22	10	$25.67	Yes	$34.16	$8.49
669	21-Nov-11	20	1	$28.41	Yes	$31.66	$3.25
670	21-Nov-11	20	2	$28.41	Yes	$31.66	$3.25
671	21-Nov-11	20	3	$31.01	Yes	$31.66	$0.65

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
672	21-Nov-11	20	4	$30.74	Yes	$31.66	$0.92
673	21-Nov-11	20	5	$31.01	Yes	$31.66	$0.65
674	21-Nov-11	20	6	$31.40	Yes	$31.66	$0.26
675	21-Nov-11	20	7	$28.31	Yes	$31.66	$3.35
676	21-Nov-11	20	8	$26.24	Yes	$31.66	$5.42
677	21-Nov-11	20	9	$26.24	Yes	$31.66	$5.42
678	21-Nov-11	20	10	$26.24	Yes	$31.66	$5.42
679	21-Nov-11	20	11	$26.39	Yes	$31.66	$5.27
680	21-Nov-11	20	12	$30.00	Yes	$31.66	$1.66
681	21-Nov-11	21	1	$36.74	Yes	$31.66	-$5.08
682	21-Nov-11	21	2	$37.23	Yes	$31.66	-$5.57
683	21-Nov-11	21	3	$36.74	Yes	$31.66	-$5.08
684	21-Nov-11	21	4	$34.02	Yes	$31.66	-$2.36
685	21-Nov-11	21	5	$30.84	Yes	$31.66	$0.82
686	21-Nov-11	21	6	$29.76	Yes	$31.66	$1.90
687	21-Nov-11	21	7	$28.61	Yes	$31.66	$3.05
688	21-Nov-11	21	8	$26.11	Yes	$31.66	$5.55
689	21-Nov-11	21	9	$25.52	Yes	$31.66	$6.14
690	21-Nov-11	21	10	$25.16	Yes	$31.66	$6.50
691	21-Nov-11	21	11	$25.16	Yes	$31.66	$6.50
692	21-Nov-11	21	12	$24.77	Yes	$31.66	$6.89
693	21-Nov-11	22	1	$37.89	Yes	$31.66	-$6.23
694	21-Nov-11	22	2	$37.89	Yes	$31.66	-$6.23
695	21-Nov-11	22	3	$30.65	Yes	$31.66	$1.01
696	21-Nov-11	22	4	$30.13	Yes	$31.66	$1.53
697	21-Nov-11	22	5	$29.49	Yes	$31.66	$2.17
698	21-Nov-11	22	6	$28.58	Yes	$31.66	$3.08
699	21-Nov-11	22	7	$28.23	Yes	$31.66	$3.43
700	21-Nov-11	22	8	$28.21	Yes	$31.66	$3.45
701	21-Nov-11	22	9	$25.70	Yes	$31.66	$5.96
702	21-Nov-11	22	10	$25.29	Yes	$31.66	$6.37
703	21-Nov-11	22	11	$25.43	Yes	$31.66	$6.23
704	21-Nov-11	22	12	$25.69	Yes	$31.66	$5.97
705	21-Nov-11	23	1	$45.40	Yes	$31.66	-$13.74
706	21-Nov-11	23	2	$38.41	Yes	$31.66	-$6.75
707	21-Nov-11	23	3	$34.35	Yes	$31.66	-$2.69
708	21-Nov-11	23	4	$35.11	Yes	$31.66	-$3.45
709	21-Nov-11	23	5	$34.45	Yes	$31.66	-$2.79
710	21-Nov-11	23	6	$33.50	Yes	$31.66	-$1.84
711	21-Nov-11	23	7	$31.12	Yes	$31.66	$0.54
712	21-Nov-11	23	8	$31.08	Yes	$31.66	$0.58
713	21-Nov-11	23	9	$30.30	Yes	$31.66	$1.36
714	21-Nov-11	23	10	$29.33	Yes	$31.66	$2.33
715	21-Nov-11	23	11	$25.20	Yes	$31.66	$6.46
716	21-Nov-11	23	12	$24.31	Yes	$31.66	$7.35

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
717	21-Nov-11	24	1	$30.32	Yes	$31.66	$1.34
718	21-Nov-11	24	2	$30.40	Yes	$31.66	$1.26
719	21-Nov-11	24	3	$30.01	Yes	$31.66	$1.65
720	21-Nov-11	24	4	$28.75	Yes	$31.66	$2.91
721	21-Nov-11	24	5	$29.46	Yes	$31.66	$2.20
722	21-Nov-11	24	6	$28.05	Yes	$31.66	$3.61
723	21-Nov-11	24	7	$29.96	Yes	$31.66	$1.70
724	21-Nov-11	24	8	$24.35	Yes	$31.66	$7.31
725	21-Nov-11	24	9	$23.87	Yes	$31.66	$7.79
726	21-Nov-11	24	10	$25.56	Yes	$31.66	$6.10
727	21-Nov-11	24	11	$28.81	Yes	$31.66	$2.85
728	21-Nov-11	24	12	$24.39	Yes	$31.66	$7.27
729	23-Nov-11	3	1	$23.83	Yes	$34.50	$10.67
730	23-Nov-11	3	2	$23.83	Yes	$34.50	$10.67
731	23-Nov-11	3	3	$23.83	Yes	$34.50	$10.67
732	23-Nov-11	3	4	$22.32	Yes	$34.50	$12.18
733	23-Nov-11	3	5	$22.32	Yes	$34.50	$12.18
734	23-Nov-11	3	6	$22.32	Yes	$34.50	$12.18
735	23-Nov-11	3	7	$22.32	Yes	$34.50	$12.18
736	23-Nov-11	3	8	$22.24	Yes	$34.50	$12.26
737	23-Nov-11	3	9	$22.24	Yes	$34.50	$12.26
738	23-Nov-11	3	10	$22.30	Yes	$34.50	$12.20
739	23-Nov-11	3	11	$23.73	Yes	$34.50	$10.77
740	23-Nov-11	3	12	$23.73	Yes	$34.50	$10.77
741	23-Nov-11	4	1	$24.11	Yes	$34.50	$10.39
742	23-Nov-11	4	2	$24.02	Yes	$34.50	$10.48
743	23-Nov-11	4	3	$24.02	Yes	$34.50	$10.48
744	23-Nov-11	4	4	$24.10	Yes	$34.50	$10.40
745	23-Nov-11	4	5	$23.92	Yes	$34.50	$10.58
746	23-Nov-11	4	6	$23.92	Yes	$34.50	$10.58
747	23-Nov-11	4	7	$23.93	Yes	$34.50	$10.57
748	23-Nov-11	4	8	$24.13	Yes	$34.50	$10.37
749	23-Nov-11	4	9	$24.22	Yes	$34.50	$10.28
750	23-Nov-11	4	10	$24.66	Yes	$34.50	$9.84
751	23-Nov-11	4	11	$24.41	Yes	$34.50	$10.09
752	23-Nov-11	4	12	$22.24	Yes	$34.50	$12.26
753	23-Nov-11	5	1	$24.80	Yes	$34.50	$9.70
754	23-Nov-11	5	2	$24.51	Yes	$34.50	$9.99
755	23-Nov-11	5	3	$24.51	Yes	$34.50	$9.99
756	23-Nov-11	5	4	$14.32	Yes	$34.50	$20.18
757	23-Nov-11	5	5	$24.19	Yes	$34.50	$10.31
758	23-Nov-11	5	6	$24.19	Yes	$34.50	$10.31
759	23-Nov-11	5	7	$24.27	Yes	$34.50	$10.23
760	23-Nov-11	5	8	$25.06	Yes	$34.50	$9.44
761	23-Nov-11	5	9	$25.16	Yes	$34.50	$9.34

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
762	23-Nov-11	5	10	$25.51	Yes	$34.50	$8.99
763	23-Nov-11	5	11	$25.66	Yes	$34.50	$8.84
764	23-Nov-11	5	12	$25.26	Yes	$34.50	$9.24
765	23-Nov-11	6	1	$14.32	Yes	$34.50	$20.18
766	23-Nov-11	6	2	-$29.88	Yes	$34.50	$64.38
767	23-Nov-11	6	3	$4.58	Yes	$34.50	$29.92
768	23-Nov-11	6	4	$24.15	Yes	$34.50	$10.35
769	23-Nov-11	6	5	$23.61	Yes	$34.50	$10.89
770	23-Nov-11	6	6	$23.59	Yes	$34.50	$10.91
771	23-Nov-11	6	7	$23.61	Yes	$34.50	$10.89
772	23-Nov-11	6	8	$23.05	Yes	$34.50	$11.45
773	23-Nov-11	6	9	$24.63	Yes	$34.50	$9.87
774	23-Nov-11	6	10	$25.18	Yes	$34.50	$9.32
775	23-Nov-11	6	11	$25.18	Yes	$34.50	$9.32
776	23-Nov-11	6	12	$25.78	Yes	$34.50	$8.72
777	23-Nov-11	7	1	$20.40	Yes	$34.50	$14.10
778	23-Nov-11	7	2	$16.91	Yes	$34.50	$17.59
779	23-Nov-11	7	3	$20.40	Yes	$34.50	$14.10
780	23-Nov-11	7	4	$20.74	Yes	$34.50	$13.76
781	23-Nov-11	7	5	$21.59	Yes	$34.50	$12.91
782	23-Nov-11	7	6	$21.89	Yes	$34.50	$12.61
783	23-Nov-11	7	7	$21.90	Yes	$34.50	$12.60
784	23-Nov-11	7	8	$24.34	Yes	$34.50	$10.16
785	23-Nov-11	7	9	$24.00	Yes	$34.50	$10.50
786	23-Nov-11	7	10	$24.35	Yes	$34.50	$10.15
787	23-Nov-11	7	11	$24.35	Yes	$34.50	$10.15
788	23-Nov-11	7	12	$24.35	Yes	$34.50	$10.15
789	23-Nov-11	8	1	$21.65	Yes	$34.50	$12.85
790	23-Nov-11	8	2	$21.65	Yes	$34.50	$12.85
791	23-Nov-11	8	3	$22.81	Yes	$34.50	$11.69
792	23-Nov-11	8	4	$21.61	Yes	$34.50	$12.89
793	23-Nov-11	8	5	$22.22	Yes	$34.50	$12.28
794	23-Nov-11	8	6	$24.35	Yes	$34.50	$10.15
795	23-Nov-11	8	7	$24.36	Yes	$34.50	$10.14
796	23-Nov-11	8	8	$24.39	Yes	$34.50	$10.11
797	23-Nov-11	8	9	$24.54	Yes	$34.50	$9.96
798	23-Nov-11	8	10	$25.15	Yes	$34.50	$9.35
799	23-Nov-11	8	11	$25.08	Yes	$34.50	$9.42
800	23-Nov-11	8	12	$25.23	Yes	$34.50	$9.27
801	23-Nov-11	9	1	$24.63	Yes	$34.50	$9.87
802	23-Nov-11	9	2	$25.18	Yes	$34.50	$9.32
803	23-Nov-11	9	3	$25.18	Yes	$34.50	$9.32
804	23-Nov-11	9	4	$25.28	Yes	$34.50	$9.22
805	23-Nov-11	9	5	$26.35	Yes	$34.50	$8.15
806	23-Nov-11	9	6	$26.35	Yes	$34.50	$8.15

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
807	23-Nov-11	9	7	$27.34	Yes	$34.50	$7.16
808	23-Nov-11	9	8	$26.38	Yes	$34.50	$8.12
809	23-Nov-11	9	9	$27.27	Yes	$34.50	$7.23
810	23-Nov-11	9	10	$25.16	Yes	$34.50	$9.34
811	23-Nov-11	9	11	$25.12	Yes	$34.50	$9.38
812	23-Nov-11	9	12	$24.53	Yes	$34.50	$9.97
813	23-Nov-11	10	1	$25.39	Yes	$34.50	$9.11
814	23-Nov-11	10	2	$25.39	Yes	$34.50	$9.11
815	23-Nov-11	10	3	$25.34	Yes	$34.50	$9.16
816	23-Nov-11	10	4	$25.62	Yes	$34.50	$8.88
817	23-Nov-11	10	5	$25.62	Yes	$34.50	$8.88
818	23-Nov-11	10	6	$25.62	Yes	$34.50	$8.88
819	23-Nov-11	10	7	$25.66	Yes	$34.50	$8.84
820	23-Nov-11	10	8	$25.57	Yes	$34.50	$8.93
821	23-Nov-11	10	9	$25.57	Yes	$34.50	$8.93
822	23-Nov-11	10	10	$25.03	Yes	$34.50	$9.47
823	23-Nov-11	10	11	$25.54	Yes	$34.50	$8.96
824	23-Nov-11	10	12	$25.54	Yes	$34.50	$8.96
825	23-Nov-11	11	1	$29.41	Yes	$34.50	$5.09
826	23-Nov-11	11	2	$28.36	Yes	$34.50	$6.14
827	23-Nov-11	11	3	$29.41	Yes	$34.50	$5.09
828	23-Nov-11	11	4	$28.38	Yes	$34.50	$6.12
829	23-Nov-11	11	5	$28.38	Yes	$34.50	$6.12
830	23-Nov-11	11	6	$28.38	Yes	$34.50	$6.12
831	23-Nov-11	11	7	$29.32	Yes	$34.50	$5.18
832	23-Nov-11	11	8	$29.33	Yes	$34.50	$5.17
833	23-Nov-11	11	9	$29.33	Yes	$34.50	$5.17
834	23-Nov-11	11	10	$28.39	Yes	$34.50	$6.11
835	23-Nov-11	11	11	$28.39	Yes	$34.50	$6.11
836	23-Nov-11	11	12	$28.39	Yes	$34.50	$6.11
837	23-Nov-11	12	1	$29.64	Yes	$34.50	$4.86
838	23-Nov-11	12	2	$29.64	Yes	$34.50	$4.86
839	23-Nov-11	12	3	$29.41	Yes	$34.50	$5.09
840	23-Nov-11	12	4	$29.64	Yes	$34.50	$4.86
841	23-Nov-11	12	5	$29.64	Yes	$34.50	$4.86
842	23-Nov-11	12	6	$29.44	Yes	$34.50	$5.06
843	23-Nov-11	12	7	$28.61	Yes	$34.50	$5.89
844	23-Nov-11	12	8	$28.41	Yes	$34.50	$6.09
845	23-Nov-11	12	9	$28.41	Yes	$34.50	$6.09
846	23-Nov-11	12	10	$27.32	Yes	$34.50	$7.18
847	23-Nov-11	12	11	$28.40	Yes	$34.50	$6.10
848	23-Nov-11	12	12	$28.40	Yes	$34.50	$6.10
849	23-Nov-11	13	1	$27.97	Yes	$34.50	$6.53
850	23-Nov-11	13	2	$28.38	Yes	$34.50	$6.12
851	23-Nov-11	13	3	$28.38	Yes	$34.50	$6.12

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
852	23-Nov-11	13	4	$28.38	Yes	$34.50	$6.12
853	23-Nov-11	13	5	$28.38	Yes	$34.50	$6.12
854	23-Nov-11	13	6	$29.67	Yes	$34.50	$4.83
855	23-Nov-11	13	7	$28.64	Yes	$34.50	$5.86
856	23-Nov-11	13	8	$28.63	Yes	$34.50	$5.87
857	23-Nov-11	13	9	$29.58	Yes	$34.50	$4.92
858	23-Nov-11	13	10	$28.63	Yes	$34.50	$5.87
859	23-Nov-11	13	11	$28.63	Yes	$34.50	$5.87
860	23-Nov-11	13	12	$28.42	Yes	$34.50	$6.08
861	23-Nov-11	14	1	$28.63	Yes	$34.50	$5.87
862	23-Nov-11	14	2	$28.42	Yes	$34.50	$6.08
863	23-Nov-11	14	3	$29.80	Yes	$34.50	$4.70
864	23-Nov-11	14	4	$29.52	Yes	$34.50	$4.98
865	23-Nov-11	14	5	$29.52	Yes	$34.50	$4.98
866	23-Nov-11	14	6	$28.43	Yes	$34.50	$6.07
867	23-Nov-11	14	7	$29.84	Yes	$34.50	$4.66
868	23-Nov-11	14	8	$29.67	Yes	$34.50	$4.83
869	23-Nov-11	14	9	$28.40	Yes	$34.50	$6.10
870	23-Nov-11	14	10	$28.41	Yes	$34.50	$6.09
871	23-Nov-11	14	11	$28.41	Yes	$34.50	$6.09
872	23-Nov-11	14	12	$28.41	Yes	$34.50	$6.09
873	23-Nov-11	15	1	$30.90	Yes	$34.50	$3.60
874	23-Nov-11	15	2	$30.64	Yes	$34.50	$3.86
875	23-Nov-11	15	3	$29.93	Yes	$34.50	$4.57
876	23-Nov-11	15	4	$28.04	Yes	$34.50	$6.46
877	23-Nov-11	15	5	$28.62	Yes	$34.50	$5.88
878	23-Nov-11	15	6	$28.62	Yes	$34.50	$5.88
879	23-Nov-11	15	7	$28.62	Yes	$34.50	$5.88
880	23-Nov-11	15	8	$29.77	Yes	$34.50	$4.73
881	23-Nov-11	15	9	$29.48	Yes	$34.50	$5.02
882	23-Nov-11	15	10	$27.98	Yes	$34.50	$6.52
883	23-Nov-11	15	11	$26.43	Yes	$34.50	$8.07
884	23-Nov-11	15	12	$26.43	Yes	$34.50	$8.07
885	23-Nov-11	16	1	$26.37	Yes	$34.50	$8.13
886	23-Nov-11	16	2	$25.15	Yes	$34.50	$9.35
887	23-Nov-11	16	3	$25.15	Yes	$34.50	$9.35
888	23-Nov-11	16	4	$25.21	Yes	$34.50	$9.29
889	23-Nov-11	16	5	$24.89	Yes	$34.50	$9.61
890	23-Nov-11	16	6	$24.27	Yes	$34.50	$10.23
891	23-Nov-11	16	7	$24.24	Yes	$34.50	$10.26
892	23-Nov-11	16	8	$25.02	Yes	$34.50	$9.48
893	23-Nov-11	16	9	$24.36	Yes	$34.50	$10.14
894	23-Nov-11	16	10	$24.46	Yes	$34.50	$10.04
895	23-Nov-11	16	11	$25.18	Yes	$34.50	$9.32
896	23-Nov-11	16	12	$25.18	Yes	$34.50	$9.32

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
897	23-Nov-11	17	1	$15.58	Yes	$34.50	$18.92
898	23-Nov-11	17	2	$16.04	Yes	$34.50	$18.46
899	23-Nov-11	17	3	$21.28	Yes	$34.50	$13.22
900	23-Nov-11	17	4	$21.64	Yes	$34.50	$12.86
901	23-Nov-11	17	5	$23.28	Yes	$34.50	$11.22
902	23-Nov-11	17	6	$24.28	Yes	$34.50	$10.22
903	23-Nov-11	17	7	$24.91	Yes	$34.50	$9.59
904	23-Nov-11	17	8	$25.29	Yes	$34.50	$9.21
905	23-Nov-11	17	9	$25.29	Yes	$34.50	$9.21
906	23-Nov-11	17	10	$26.51	Yes	$34.50	$7.99
907	23-Nov-11	17	11	$28.15	Yes	$34.50	$6.35
908	23-Nov-11	17	12	$28.32	Yes	$34.50	$6.18
909	23-Nov-11	18	1	$24.33	Yes	$34.50	$10.17
910	23-Nov-11	18	2	$24.96	Yes	$34.50	$9.54
911	23-Nov-11	18	3	$25.15	Yes	$34.50	$9.35
912	23-Nov-11	18	4	$25.42	Yes	$34.50	$9.08
913	23-Nov-11	18	5	$28.60	Yes	$34.50	$5.90
914	23-Nov-11	18	6	$27.88	Yes	$34.50	$6.62
915	23-Nov-11	18	7	$27.86	Yes	$34.50	$6.64
916	23-Nov-11	18	8	$27.88	Yes	$34.50	$6.62
917	23-Nov-11	18	9	$27.88	Yes	$34.50	$6.62
918	23-Nov-11	18	10	$27.88	Yes	$34.50	$6.62
919	23-Nov-11	18	11	$28.34	Yes	$34.50	$6.16
920	23-Nov-11	18	12	$33.28	Yes	$34.50	$1.22
921	23-Nov-11	19	1	$28.86	Yes	$34.50	$5.64
922	23-Nov-11	19	2	$28.86	Yes	$34.50	$5.64
923	23-Nov-11	19	3	$32.04	Yes	$34.50	$2.46
924	23-Nov-11	19	4	$28.75	Yes	$34.50	$5.75
925	23-Nov-11	19	5	$28.54	Yes	$34.50	$5.96
926	23-Nov-11	19	6	$28.54	Yes	$34.50	$5.96
927	23-Nov-11	19	7	$28.54	Yes	$34.50	$5.96
928	23-Nov-11	19	8	$27.89	Yes	$34.50	$6.61
929	23-Nov-11	19	9	$27.89	Yes	$34.50	$6.61
930	23-Nov-11	19	10	$27.40	Yes	$34.50	$7.10
931	23-Nov-11	19	11	$27.40	Yes	$34.50	$7.10
932	23-Nov-11	19	12	$26.40	Yes	$34.50	$8.10
933	23-Nov-11	20	1	$30.16	Yes	$34.50	$4.34
934	23-Nov-11	20	2	$28.79	Yes	$34.50	$5.71
935	23-Nov-11	20	3	$28.79	Yes	$34.50	$5.71
936	23-Nov-11	20	4	$28.49	Yes	$34.50	$6.01
937	23-Nov-11	20	5	$28.49	Yes	$34.50	$6.01
938	23-Nov-11	20	6	$28.49	Yes	$34.50	$6.01
939	23-Nov-11	20	7	$28.47	Yes	$34.50	$6.03
940	23-Nov-11	20	8	$28.40	Yes	$34.50	$6.10
941	23-Nov-11	20	9	$27.71	Yes	$34.50	$6.79

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
942	23-Nov-11	20	10	$27.72	Yes	$34.50	$6.78
943	23-Nov-11	20	11	$27.31	Yes	$34.50	$7.19
944	23-Nov-11	20	12	$26.31	Yes	$34.50	$8.19
945	23-Nov-11	21	1	$28.71	Yes	$34.50	$5.79
946	23-Nov-11	21	2	$29.19	Yes	$34.50	$5.31
947	23-Nov-11	21	3	$30.56	Yes	$34.50	$3.94
948	23-Nov-11	21	4	$30.56	Yes	$34.50	$3.94
949	23-Nov-11	21	5	$30.89	Yes	$34.50	$3.61
950	23-Nov-11	21	6	$30.56	Yes	$34.50	$3.94
951	23-Nov-11	21	7	$29.89	Yes	$34.50	$4.61
952	23-Nov-11	21	8	$29.16	Yes	$34.50	$5.34
953	23-Nov-11	21	9	$26.32	Yes	$34.50	$8.18
954	23-Nov-11	21	10	$25.21	Yes	$34.50	$9.29
955	23-Nov-11	21	11	$25.68	Yes	$34.50	$8.82
956	23-Nov-11	21	12	$25.21	Yes	$34.50	$9.29
957	23-Nov-11	22	1	$30.72	Yes	$34.50	$3.78
958	23-Nov-11	22	2	$31.72	Yes	$34.50	$2.78
959	23-Nov-11	22	3	$31.44	Yes	$34.50	$3.06
960	23-Nov-11	22	4	$29.73	Yes	$34.50	$4.77
961	23-Nov-11	22	5	$29.10	Yes	$34.50	$5.40
962	23-Nov-11	22	6	$27.45	Yes	$34.50	$7.05
963	23-Nov-11	22	7	$26.32	Yes	$34.50	$8.18
964	23-Nov-11	22	8	$25.04	Yes	$34.50	$9.46
965	23-Nov-11	22	9	$25.04	Yes	$34.50	$9.46
966	23-Nov-11	22	10	$25.09	Yes	$34.50	$9.41
967	23-Nov-11	22	11	$25.03	Yes	$34.50	$9.47
968	23-Nov-11	22	12	$24.95	Yes	$34.50	$9.55
969	23-Nov-11	23	1	$41.98	Yes	$34.50	-$7.48
970	23-Nov-11	23	2	$39.04	Yes	$34.50	-$4.54
971	23-Nov-11	23	3	$30.87	Yes	$34.50	$3.63
972	23-Nov-11	23	4	$29.23	Yes	$34.50	$5.27
973	23-Nov-11	23	5	$29.11	Yes	$34.50	$5.39
974	23-Nov-11	23	6	$28.90	Yes	$34.50	$5.60
975	23-Nov-11	23	7	$28.31	Yes	$34.50	$6.19
976	23-Nov-11	23	8	$24.43	Yes	$34.50	$10.07
977	23-Nov-11	23	9	$26.61	Yes	$34.50	$7.89
978	23-Nov-11	23	10	$25.03	Yes	$34.50	$9.47
979	23-Nov-11	23	11	$24.31	Yes	$34.50	$10.19
980	23-Nov-11	23	12	$24.23	Yes	$34.50	$10.27
981	23-Nov-11	24	1	$40.85	Yes	$34.50	-$6.35
982	23-Nov-11	24	2	$31.72	Yes	$34.50	$2.78
983	23-Nov-11	24	3	$27.46	Yes	$34.50	$7.04
984	23-Nov-11	24	4	$27.80	Yes	$34.50	$6.70
985	23-Nov-11	24	5	$27.80	Yes	$34.50	$6.70
986	23-Nov-11	24	6	$27.80	Yes	$34.50	$6.70

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
987	23-Nov-11	24	7	$27.79	Yes	$34.50	$6.71
988	23-Nov-11	24	8	$27.84	Yes	$34.50	$6.66
989	23-Nov-11	24	9	$27.22	Yes	$34.50	$7.28
990	23-Nov-11	24	10	$25.06	Yes	$34.50	$9.44
991	23-Nov-11	24	11	$25.06	Yes	$34.50	$9.44
992	23-Nov-11	24	12	$23.86	Yes	$34.50	$10.64
993	29-Nov-11	2	1	$24.26	Yes	$32.92	$8.66
994	29-Nov-11	2	2	$24.26	Yes	$32.92	$8.66
995	29-Nov-11	2	3	$24.26	Yes	$32.92	$8.66
996	29-Nov-11	2	4	$23.33	Yes	$32.92	$9.59
997	29-Nov-11	2	5	$22.52	Yes	$32.92	$10.40
998	29-Nov-11	2	6	$22.36	Yes	$32.92	$10.56
999	29-Nov-11	2	7	$22.44	Yes	$32.92	$10.48
1000	29-Nov-11	2	8	$22.41	Yes	$32.92	$10.51
1001	29-Nov-11	2	9	$17.83	Yes	$32.92	$15.09
1002	29-Nov-11	2	10	$23.35	Yes	$32.92	$9.57
1003	29-Nov-11	2	11	$15.75	Yes	$32.92	$17.17
1004	29-Nov-11	2	12	$10.89	Yes	$32.92	$22.03
1005	29-Nov-11	3	1	$23.80	Yes	$32.92	$9.12
1006	29-Nov-11	3	2	$23.66	Yes	$32.92	$9.26
1007	29-Nov-11	3	3	$23.53	Yes	$32.92	$9.39
1008	29-Nov-11	3	4	$22.47	Yes	$32.92	$10.45
1009	29-Nov-11	3	5	$21.62	Yes	$32.92	$11.30
1010	29-Nov-11	3	6	$21.62	Yes	$32.92	$11.30
1011	29-Nov-11	3	7	$21.53	Yes	$32.92	$11.39
1012	29-Nov-11	3	8	$21.62	Yes	$32.92	$11.30
1013	29-Nov-11	3	9	$21.62	Yes	$32.92	$11.30
1014	29-Nov-11	3	10	$21.57	Yes	$32.92	$11.35
1015	29-Nov-11	3	11	$15.68	Yes	$32.92	$17.24
1016	29-Nov-11	3	12	$22.22	Yes	$32.92	$10.70
1017	29-Nov-11	4	1	$9.57	Yes	$32.92	$23.35
1018	29-Nov-11	4	2	$15.65	Yes	$32.92	$17.27
1019	29-Nov-11	4	3	$15.65	Yes	$32.92	$17.27
1020	29-Nov-11	4	4	$9.45	Yes	$32.92	$23.47
1021	29-Nov-11	4	5	$9.45	Yes	$32.92	$23.47
1022	29-Nov-11	4	6	$9.45	Yes	$32.92	$23.47
1023	29-Nov-11	4	7	$9.49	Yes	$32.92	$23.43
1024	29-Nov-11	4	8	$9.64	Yes	$32.92	$23.28
1025	29-Nov-11	4	9	$9.64	Yes	$32.92	$23.28
1026	29-Nov-11	4	10	$9.74	Yes	$32.92	$23.18
1027	29-Nov-11	4	11	$10.93	Yes	$32.92	$21.99
1028	29-Nov-11	4	12	$18.67	Yes	$32.92	$14.25
1029	29-Nov-11	5	1	$23.28	Yes	$32.92	$9.64
1030	29-Nov-11	5	2	$23.30	Yes	$32.92	$9.62
1031	29-Nov-11	5	3	$23.32	Yes	$32.92	$9.60

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1032	29-Nov-11	5	4	$23.54	Yes	$32.92	$9.38
1033	29-Nov-11	5	5	$23.55	Yes	$32.92	$9.37
1034	29-Nov-11	5	6	$23.55	Yes	$32.92	$9.37
1035	29-Nov-11	5	7	$23.59	Yes	$32.92	$9.33
1036	29-Nov-11	5	8	$23.94	Yes	$32.92	$8.98
1037	29-Nov-11	5	9	$23.94	Yes	$32.92	$8.98
1038	29-Nov-11	5	10	$24.44	Yes	$32.92	$8.48
1039	29-Nov-11	5	11	$23.77	Yes	$32.92	$9.15
1040	29-Nov-11	5	12	$23.77	Yes	$32.92	$9.15
1041	29-Nov-11	6	1	$22.51	Yes	$32.92	$10.41
1042	29-Nov-11	6	2	$23.47	Yes	$32.92	$9.45
1043	29-Nov-11	6	3	$23.47	Yes	$32.92	$9.45
1044	29-Nov-11	6	4	$23.31	Yes	$32.92	$9.61
1045	29-Nov-11	6	5	$23.31	Yes	$32.92	$9.61
1046	29-Nov-11	6	6	$23.84	Yes	$32.92	$9.08
1047	29-Nov-11	6	7	$28.28	Yes	$32.92	$4.64
1048	29-Nov-11	6	8	$29.68	Yes	$32.92	$3.24
1049	29-Nov-11	6	9	$33.69	Yes	$32.92	-$0.77
1050	29-Nov-11	6	10	$35.37	Yes	$32.92	-$2.45
1051	29-Nov-11	6	11	$40.55	Yes	$32.92	-$7.63
1052	29-Nov-11	6	12	$34.65	Yes	$32.92	-$1.73
1053	29-Nov-11	7	1	$23.89	Yes	$32.92	$9.03
1054	29-Nov-11	7	2	$23.89	Yes	$32.92	$9.03
1055	29-Nov-11	7	3	$27.23	Yes	$32.92	$5.69
1056	29-Nov-11	7	4	$34.06	Yes	$32.92	-$1.14
1057	29-Nov-11	7	5	$30.67	Yes	$32.92	$2.25
1058	29-Nov-11	7	6	$34.06	Yes	$32.92	-$1.14
1059	29-Nov-11	7	7	$33.96	Yes	$32.92	-$1.04
1060	29-Nov-11	7	8	$34.07	Yes	$32.92	-$1.15
1061	29-Nov-11	7	9	$40.11	Yes	$32.92	-$7.19
1062	29-Nov-11	7	10	$43.95	Yes	$32.92	-$11.03
1063	29-Nov-11	7	11	$43.65	Yes	$32.92	-$10.73
1064	29-Nov-11	7	12	$50.93	Yes	$32.92	-$18.01
1065	29-Nov-11	8	1	$35.99	Yes	$32.92	-$3.07
1066	29-Nov-11	8	2	$34.95	Yes	$32.92	-$2.03
1067	29-Nov-11	8	3	$35.67	Yes	$32.92	-$2.75
1068	29-Nov-11	8	4	$34.96	Yes	$32.92	-$2.04
1069	29-Nov-11	8	5	$35.11	Yes	$32.92	-$2.19
1070	29-Nov-11	8	6	$35.66	Yes	$32.92	-$2.74
1071	29-Nov-11	8	7	$35.77	Yes	$32.92	-$2.85
1072	29-Nov-11	8	8	$37.29	Yes	$32.92	-$4.37
1073	29-Nov-11	8	9	$36.14	Yes	$32.92	-$3.22
1074	29-Nov-11	8	10	$35.16	Yes	$32.92	-$2.24
1075	29-Nov-11	8	11	$34.30	Yes	$32.92	-$1.38
1076	29-Nov-11	8	12	$34.79	Yes	$32.92	-$1.87

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1077	29-Nov-11	9	1	$31.57	Yes	$32.92	$1.35
1078	29-Nov-11	9	2	$31.57	Yes	$32.92	$1.35
1079	29-Nov-11	9	3	$30.58	Yes	$32.92	$2.34
1080	29-Nov-11	9	4	$35.66	Yes	$32.92	-$2.74
1081	29-Nov-11	9	5	$35.66	Yes	$32.92	-$2.74
1082	29-Nov-11	9	6	$50.43	Yes	$32.92	-$17.51
1083	29-Nov-11	9	7	$39.23	Yes	$32.92	-$6.31
1084	29-Nov-11	9	8	$41.10	Yes	$32.92	-$8.18
1085	29-Nov-11	9	9	$41.10	Yes	$32.92	-$8.18
1086	29-Nov-11	9	10	$34.17	Yes	$32.92	-$1.25
1087	29-Nov-11	9	11	$34.17	Yes	$32.92	-$1.25
1088	29-Nov-11	9	12	$41.02	Yes	$32.92	-$8.10
1089	29-Nov-11	10	1	$34.98	Yes	$32.92	-$2.06
1090	29-Nov-11	10	2	$35.68	Yes	$32.92	-$2.76
1091	29-Nov-11	10	3	$35.68	Yes	$32.92	-$2.76
1092	29-Nov-11	10	4	$38.27	Yes	$32.92	-$5.35
1093	29-Nov-11	10	5	$36.15	Yes	$32.92	-$3.23
1094	29-Nov-11	10	6	$35.98	Yes	$32.92	-$3.06
1095	29-Nov-11	10	7	$35.88	Yes	$32.92	-$2.96
1096	29-Nov-11	10	8	$44.17	Yes	$32.92	-$11.25
1097	29-Nov-11	10	9	$50.98	Yes	$32.92	-$18.06
1098	29-Nov-11	10	10	$48.99	Yes	$32.92	-$16.07
1099	29-Nov-11	10	11	$981.00	Yes	$32.92	-$948.08
1100	29-Nov-11	10	12	$370.36	Yes	$32.92	-$337.44
1101	29-Nov-11	11	1	$27.36	Yes	$32.92	$5.56
1102	29-Nov-11	11	2	$33.01	Yes	$32.92	-$0.09
1103	29-Nov-11	11	3	$35.20	Yes	$32.92	-$2.28
1104	29-Nov-11	11	4	$34.98	Yes	$32.92	-$2.06
1105	29-Nov-11	11	5	$34.88	Yes	$32.92	-$1.96
1106	29-Nov-11	11	6	$33.15	Yes	$32.92	-$0.23
1107	29-Nov-11	11	7	$29.87	Yes	$32.92	$3.05
1108	29-Nov-11	11	8	$35.09	Yes	$32.92	-$2.17
1109	29-Nov-11	11	9	$35.09	Yes	$32.92	-$2.17
1110	29-Nov-11	11	10	$35.25	Yes	$32.92	-$2.33
1111	29-Nov-11	11	11	$35.25	Yes	$32.92	-$2.33
1112	29-Nov-11	11	12	$34.97	Yes	$32.92	-$2.05
1113	29-Nov-11	12	1	$52.46	Yes	$32.92	-$19.54
1114	29-Nov-11	12	2	$42.48	Yes	$32.92	-$9.56
1115	29-Nov-11	12	3	$47.24	Yes	$32.92	-$14.32
1116	29-Nov-11	12	4	$44.53	Yes	$32.92	-$11.61
1117	29-Nov-11	12	5	$36.33	Yes	$32.92	-$3.41
1118	29-Nov-11	12	6	$36.73	Yes	$32.92	-$3.81
1119	29-Nov-11	12	7	$37.37	Yes	$32.92	-$4.45
1120	29-Nov-11	12	8	$37.32	Yes	$32.92	-$4.40
1121	29-Nov-11	12	9	$37.32	Yes	$32.92	-$4.40

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1122	29-Nov-11	12	10	$37.40	Yes	$32.92	-$4.48
1123	29-Nov-11	12	11	$37.40	Yes	$32.92	-$4.48
1124	29-Nov-11	12	12	$37.40	Yes	$32.92	-$4.48
1125	29-Nov-11	13	1	$42.22	Yes	$32.92	-$9.30
1126	29-Nov-11	13	2	$36.25	Yes	$32.92	-$3.33
1127	29-Nov-11	13	3	$30.71	Yes	$32.92	$2.21
1128	29-Nov-11	13	4	$28.54	Yes	$32.92	$4.38
1129	29-Nov-11	13	5	$30.55	Yes	$32.92	$2.37
1130	29-Nov-11	13	6	$32.77	Yes	$32.92	$0.15
1131	29-Nov-11	13	7	$33.42	Yes	$32.92	-$0.50
1132	29-Nov-11	13	8	$34.35	Yes	$32.92	-$1.43
1133	29-Nov-11	13	9	$34.74	Yes	$32.92	-$1.82
1134	29-Nov-11	13	10	$33.87	Yes	$32.92	-$0.95
1135	29-Nov-11	13	11	$34.85	Yes	$32.92	-$1.93
1136	29-Nov-11	13	12	$34.85	Yes	$32.92	-$1.93
1137	29-Nov-11	14	1	$32.53	Yes	$32.92	$0.39
1138	29-Nov-11	14	2	$26.68	Yes	$32.92	$6.24
1139	29-Nov-11	14	3	$25.34	Yes	$32.92	$7.58
1140	29-Nov-11	14	4	$25.34	Yes	$32.92	$7.58
1141	29-Nov-11	14	5	$25.34	Yes	$32.92	$7.58
1142	29-Nov-11	14	6	$25.34	Yes	$32.92	$7.58
1143	29-Nov-11	14	7	$25.34	Yes	$32.92	$7.58
1144	29-Nov-11	14	8	$24.57	Yes	$32.92	$8.35
1145	29-Nov-11	14	9	$24.67	Yes	$32.92	$8.25
1146	29-Nov-11	14	10	$25.55	Yes	$32.92	$7.37
1147	29-Nov-11	14	11	$24.63	Yes	$32.92	$8.29
1148	29-Nov-11	14	12	$25.55	Yes	$32.92	$7.37
1149	29-Nov-11	15	1	$27.77	Yes	$32.92	$5.15
1150	29-Nov-11	15	2	$28.55	Yes	$32.92	$4.37
1151	29-Nov-11	15	3	$28.35	Yes	$32.92	$4.57
1152	29-Nov-11	15	4	$24.66	Yes	$32.92	$8.26
1153	29-Nov-11	15	5	$27.65	Yes	$32.92	$5.27
1154	29-Nov-11	15	6	$27.10	Yes	$32.92	$5.82
1155	29-Nov-11	15	7	$27.64	Yes	$32.92	$5.28
1156	29-Nov-11	15	8	$27.63	Yes	$32.92	$5.29
1157	29-Nov-11	15	9	$27.63	Yes	$32.92	$5.29
1158	29-Nov-11	15	10	$28.74	Yes	$32.92	$4.18
1159	29-Nov-11	15	11	$24.59	Yes	$32.92	$8.33
1160	29-Nov-11	15	12	$28.36	Yes	$32.92	$4.56
1161	29-Nov-11	16	1	$27.64	Yes	$32.92	$5.28
1162	29-Nov-11	16	2	$27.64	Yes	$32.92	$5.28
1163	29-Nov-11	16	3	$27.64	Yes	$32.92	$5.28
1164	29-Nov-11	16	4	$29.15	Yes	$32.92	$3.77
1165	29-Nov-11	16	5	$29.15	Yes	$32.92	$3.77
1166	29-Nov-11	16	6	$27.68	Yes	$32.92	$5.24

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1167	29-Nov-11	16	6	$27.68	Yes	$35.70	$8.02
1168	29-Nov-11	16	7	$26.69	Yes	$35.70	$9.01
1169	29-Nov-11	16	7	$26.69	Yes	$32.92	$6.23
1170	29-Nov-11	16	8	$27.64	Yes	$32.92	$5.28
1171	29-Nov-11	16	8	$27.64	Yes	$35.70	$8.06
1172	29-Nov-11	16	9	$27.64	Yes	$35.70	$8.06
1173	29-Nov-11	16	9	$27.64	Yes	$32.92	$5.28
1174	29-Nov-11	16	10	$27.65	Yes	$35.70	$8.05
1175	29-Nov-11	16	10	$27.65	Yes	$32.92	$5.27
1176	29-Nov-11	16	11	$27.65	Yes	$35.70	$8.05
1177	29-Nov-11	16	11	$27.65	Yes	$32.92	$5.27
1178	29-Nov-11	16	12	$28.18	Yes	$35.70	$7.52
1179	29-Nov-11	16	12	$28.18	Yes	$32.92	$4.74
1180	29-Nov-11	17	1	$20.56	Yes	$35.70	$15.14
1181	29-Nov-11	17	2	$15.49	Yes	$35.70	$20.21
1182	29-Nov-11	17	3	$20.56	Yes	$35.70	$15.14
1183	29-Nov-11	17	4	$21.55	Yes	$35.70	$14.15
1184	29-Nov-11	17	5	$22.65	Yes	$35.70	$13.05
1185	29-Nov-11	17	6	$25.56	Yes	$35.70	$10.14
1186	29-Nov-11	17	7	$26.25	Yes	$35.70	$9.45
1187	29-Nov-11	17	8	$16.02	Yes	$35.70	$19.68
1188	29-Nov-11	17	9	$28.86	Yes	$35.70	$6.84
1189	29-Nov-11	17	10	$26.53	Yes	$35.70	$9.17
1190	29-Nov-11	17	11	$28.39	Yes	$35.70	$7.31
1191	29-Nov-11	17	12	$29.18	Yes	$35.70	$6.52
1192	29-Nov-11	18	1	$18.28	Yes	$35.70	$17.42
1193	29-Nov-11	18	2	$21.06	Yes	$35.70	$14.64
1194	29-Nov-11	18	3	$23.04	Yes	$35.70	$12.67
1195	29-Nov-11	18	4	$25.86	Yes	$35.70	$9.84
1196	29-Nov-11	18	5	$28.62	Yes	$35.70	$7.08
1197	29-Nov-11	18	6	$29.31	Yes	$35.70	$6.39
1198	29-Nov-11	18	7	$27.62	Yes	$35.70	$8.08
1199	29-Nov-11	18	8	$27.62	Yes	$35.70	$8.08
1200	29-Nov-11	18	9	$34.67	Yes	$35.70	$1.03
1201	29-Nov-11	18	10	$27.54	Yes	$35.70	$8.16
1202	29-Nov-11	18	11	$27.54	Yes	$35.70	$8.16
1203	29-Nov-11	18	12	$24.30	Yes	$35.70	$11.40
1204	29-Nov-11	19	1	$24.36	Yes	$35.70	$11.34
1205	29-Nov-11	19	2	$23.35	Yes	$35.70	$12.35
1206	29-Nov-11	19	3	$23.35	Yes	$35.70	$12.35
1207	29-Nov-11	19	4	$24.33	Yes	$35.70	$11.37
1208	29-Nov-11	19	5	$23.29	Yes	$35.70	$12.41
1209	29-Nov-11	19	6	$25.43	Yes	$35.70	$10.27
1210	29-Nov-11	19	7	$25.44	Yes	$35.70	$10.26
1211	29-Nov-11	19	8	$31.02	Yes	$35.70	$4.68

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1212	29-Nov-11	19	9	$27.64	Yes	$35.70	$8.06
1213	29-Nov-11	19	10	$24.26	Yes	$35.70	$11.44
1214	29-Nov-11	19	11	$23.25	Yes	$35.70	$12.45
1215	29-Nov-11	19	12	$21.43	Yes	$35.70	$14.27
1216	29-Nov-11	20	1	$27.51	Yes	$35.70	$8.19
1217	29-Nov-11	20	2	$27.79	Yes	$35.70	$7.91
1218	29-Nov-11	20	3	$30.83	Yes	$35.70	$4.87
1219	29-Nov-11	20	4	$33.68	Yes	$35.70	$2.02
1220	29-Nov-11	20	5	$30.62	Yes	$35.70	$5.08
1221	29-Nov-11	20	6	$29.97	Yes	$35.70	$5.73
1222	29-Nov-11	20	7	$29.74	Yes	$35.70	$5.96
1223	29-Nov-11	20	8	$30.56	Yes	$35.70	$5.14
1224	29-Nov-11	20	9	$24.14	Yes	$35.70	$11.56
1225	29-Nov-11	20	10	$27.50	Yes	$35.70	$8.20
1226	29-Nov-11	20	11	$27.50	Yes	$35.70	$8.20
1227	29-Nov-11	20	12	$22.48	Yes	$35.70	$13.22
1228	29-Nov-11	21	1	$27.48	Yes	$35.70	$8.22
1229	29-Nov-11	21	2	$27.48	Yes	$35.70	$8.22
1230	29-Nov-11	21	3	$28.81	Yes	$35.70	$6.89
1231	29-Nov-11	21	4	$27.90	Yes	$35.70	$7.80
1232	29-Nov-11	21	5	$27.52	Yes	$35.70	$8.18
1233	29-Nov-11	21	6	$27.90	Yes	$35.70	$7.80
1234	29-Nov-11	21	7	$27.87	Yes	$35.70	$7.83
1235	29-Nov-11	21	8	$23.10	Yes	$35.70	$12.60
1236	29-Nov-11	21	9	$23.51	Yes	$35.70	$12.19
1237	29-Nov-11	21	10	$20.26	Yes	$35.70	$15.44
1238	29-Nov-11	21	11	$22.28	Yes	$35.70	$13.42
1239	29-Nov-11	21	12	$24.77	Yes	$35.70	$10.93
1240	29-Nov-11	22	1	$33.56	Yes	$35.70	$2.14
1241	29-Nov-11	22	2	$32.58	Yes	$35.70	$3.12
1242	29-Nov-11	22	3	$34.94	Yes	$35.70	$0.76
1243	29-Nov-11	22	4	$30.77	Yes	$35.70	$4.93
1244	29-Nov-11	22	5	$30.53	Yes	$35.70	$5.17
1245	29-Nov-11	22	6	$29.56	Yes	$35.70	$6.14
1246	29-Nov-11	22	7	$29.44	Yes	$35.70	$6.26
1247	29-Nov-11	22	8	$26.04	Yes	$35.70	$9.66
1248	29-Nov-11	22	9	$16.12	Yes	$35.70	$19.58
1249	29-Nov-11	22	10	$13.66	Yes	$35.70	$22.04
1250	29-Nov-11	22	11	$13.87	Yes	$35.70	$21.83
1251	29-Nov-11	22	12	$11.48	Yes	$35.70	$24.22
1252	29-Nov-11	23	1	$32.01	Yes	$35.70	$3.69
1253	29-Nov-11	23	2	$29.29	Yes	$35.70	$6.41
1254	29-Nov-11	23	3	$28.31	Yes	$35.70	$7.39
1255	29-Nov-11	23	4	$27.25	Yes	$35.70	$8.45
1256	29-Nov-11	23	5	$25.54	Yes	$35.70	$10.16

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1257	29-Nov-11	23	6	$24.94	Yes	$35.70	$10.76
1258	29-Nov-11	23	7	$23.55	Yes	$35.70	$12.15
1259	29-Nov-11	23	8	$24.16	Yes	$35.70	$11.54
1260	29-Nov-11	23	9	$23.22	Yes	$35.70	$12.48
1261	29-Nov-11	23	10	$15.09	Yes	$35.70	$20.61
1262	29-Nov-11	23	11	$15.54	Yes	$35.70	$20.16
1263	29-Nov-11	23	12	$15.09	Yes	$35.70	$20.61
1264	29-Nov-11	24	1	$27.65	Yes	$35.70	$8.05
1265	29-Nov-11	24	2	$27.13	Yes	$35.70	$8.57
1266	29-Nov-11	24	3	$23.88	Yes	$35.70	$11.82
1267	29-Nov-11	24	4	$24.26	Yes	$35.70	$11.44
1268	29-Nov-11	24	5	$25.44	Yes	$35.70	$10.26
1269	29-Nov-11	24	6	$24.26	Yes	$35.70	$11.44
1270	29-Nov-11	24	7	$28.24	Yes	$35.70	$7.46
1271	29-Nov-11	24	8	$13.63	Yes	$35.70	$22.07
1272	29-Nov-11	24	9	$22.95	Yes	$35.70	$12.75
1273	29-Nov-11	24	10	$23.90	Yes	$35.70	$11.80
1274	29-Nov-11	24	11	$24.03	Yes	$35.70	$11.67
1275	29-Nov-11	24	12	$21.09	Yes	$35.70	$14.61
1276	30-Nov-11	12	10	$24.82	No	$37.62	$12.80
1277	30-Nov-11	12	11	$18.54	No	$37.62	$19.08
1278	30-Nov-11	12	12	$12.15	No	$37.62	$25.47
1279	30-Nov-11	13	1	$16.62	No	$37.62	$21.00
1280	30-Nov-11	13	2	$23.95	No	$37.62	$13.67
1281	30-Nov-11	13	3	$24.89	No	$37.62	$12.73
1282	30-Nov-11	13	4	$25.01	No	$37.62	$12.61
1283	30-Nov-11	13	5	$12.11	No	$37.62	$25.51
1284	30-Nov-11	13	6	$19.38	No	$37.62	$18.24
1285	30-Nov-11	13	7	$24.01	No	$37.62	$13.61
1286	30-Nov-11	13	8	$24.31	No	$37.62	$13.31
1287	30-Nov-11	13	9	$24.16	No	$37.62	$13.46
1288	30-Nov-11	13	10	$19.53	No	$37.62	$18.09
1289	30-Nov-11	13	11	$18.04	No	$37.62	$19.58
1290	30-Nov-11	13	12	$19.53	No	$37.62	$18.09
1291	30-Nov-11	14	1	$16.88	No	$37.62	$20.74
1292	30-Nov-11	14	2	$18.04	No	$37.62	$19.58
1293	30-Nov-11	14	3	$18.49	No	$37.62	$19.13
1294	30-Nov-11	14	4	$24.78	No	$37.62	$12.84
1295	30-Nov-11	14	5	$25.31	No	$37.62	$12.31
1296	30-Nov-11	14	6	$25.31	No	$37.62	$12.31
1297	30-Nov-11	14	7	$25.02	No	$37.62	$12.60
1298	30-Nov-11	14	8	$24.53	No	$37.62	$13.09
1299	30-Nov-11	14	9	$24.32	No	$37.62	$13.30
1300	30-Nov-11	14	10	$24.67	No	$37.62	$12.95
1301	30-Nov-11	14	11	$24.23	No	$37.62	$13.39

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1302	30-Nov-11	14	12	$24.67	No	$37.62	$12.95
1303	30-Nov-11	15	1	$28.70	No	$37.62	$8.92
1304	30-Nov-11	15	2	$26.41	No	$37.62	$11.21
1305	30-Nov-11	15	3	$24.04	No	$37.62	$13.58
1306	30-Nov-11	15	4	$24.24	No	$37.62	$13.38
1307	30-Nov-11	15	5	$24.06	No	$37.62	$13.56
1308	30-Nov-11	15	6	$20.36	No	$37.62	$17.26
1309	30-Nov-11	15	7	$20.37	No	$37.62	$17.25
1310	30-Nov-11	15	8	$23.94	No	$37.62	$13.68
1311	30-Nov-11	15	9	$23.94	No	$37.62	$13.68
1312	30-Nov-11	15	10	$17.36	No	$37.62	$20.26
1313	30-Nov-11	15	11	$17.36	No	$37.62	$20.26
1314	30-Nov-11	15	12	$17.93	No	$37.62	$19.69
1315	30-Nov-11	16	1	$24.03	No	$37.62	$13.59
1316	30-Nov-11	16	2	$25.03	No	$37.62	$12.59
1317	30-Nov-11	16	3	$24.33	No	$37.62	$13.29
1318	30-Nov-11	16	4	$24.83	No	$37.62	$12.79
1319	30-Nov-11	16	5	$25.36	No	$37.62	$12.26
1320	30-Nov-11	16	6	$26.47	No	$37.62	$11.15
1321	30-Nov-11	16	7	$26.57	No	$37.62	$11.05
1322	30-Nov-11	16	8	$28.62	No	$37.62	$9.00
1323	30-Nov-11	16	9	$28.62	No	$37.62	$9.00
1324	30-Nov-11	16	10	$28.63	No	$37.62	$8.99
1325	30-Nov-11	16	11	$26.72	No	$37.62	$10.90
1326	30-Nov-11	16	12	$26.48	No	$37.62	$11.14
1327	30-Nov-11	17	1	$24.22	No	$37.62	$13.40
1328	30-Nov-11	17	2	$24.00	No	$37.62	$13.62
1329	30-Nov-11	17	3	$24.00	No	$37.62	$13.62
1330	30-Nov-11	17	4	$25.10	No	$37.62	$12.52
1331	30-Nov-11	17	5	$24.14	No	$37.62	$13.48
1332	30-Nov-11	17	6	$24.14	No	$37.62	$13.48
1333	30-Nov-11	17	7	$26.44	No	$37.62	$11.18
1334	30-Nov-11	17	8	$25.03	No	$37.62	$12.59
1335	30-Nov-11	17	9	$27.28	No	$37.62	$10.34
1336	30-Nov-11	17	10	$24.20	No	$37.62	$13.42
1337	30-Nov-11	17	11	$20.71	No	$37.62	$16.91
1338	30-Nov-11	17	12	$20.62	No	$37.62	$17.00
1339	30-Nov-11	18	1	$16.91	No	$37.62	$20.71
1340	30-Nov-11	18	2	$15.70	No	$37.62	$21.92
1341	30-Nov-11	18	3	$16.65	No	$37.62	$20.97
1342	30-Nov-11	18	4	$17.79	No	$37.62	$19.83
1343	30-Nov-11	18	4	$17.79	No	$37.62	$19.83
1344	30-Nov-11	18	5	$18.55	No	$37.62	$19.07
1345	30-Nov-11	18	5	$18.55	No	$37.62	$19.07
1346	30-Nov-11	18	6	$20.81	No	$37.62	$16.81

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1347	30-Nov-11	18	6	$20.81	No	$37.62	$16.81
1348	30-Nov-11	18	7	$25.12	No	$37.62	$12.50
1349	30-Nov-11	18	7	$25.12	No	$37.62	$12.50
1350	30-Nov-11	18	8	$25.08	No	$37.62	$12.54
1351	30-Nov-11	18	8	$25.08	No	$37.62	$12.54
1352	30-Nov-11	18	9	$25.08	No	$37.62	$12.54
1353	30-Nov-11	18	9	$25.08	No	$37.62	$12.54
1354	30-Nov-11	18	10	$25.12	No	$37.62	$12.50
1355	30-Nov-11	18	10	$25.12	No	$37.62	$12.50
1356	30-Nov-11	18	11	$25.12	No	$37.62	$12.50
1357	30-Nov-11	18	11	$25.12	No	$37.62	$12.50
1358	30-Nov-11	18	12	$20.79	No	$37.62	$16.83
1359	30-Nov-11	18	12	$20.79	No	$37.62	$16.83
1360	30-Nov-11	19	1	$20.80	No	$37.62	$16.82
1361	30-Nov-11	19	2	$20.80	No	$37.62	$16.82
1362	30-Nov-11	19	3	$24.61	No	$37.62	$13.01
1363	30-Nov-11	19	4	$24.91	No	$37.62	$12.71
1364	30-Nov-11	19	5	$24.43	No	$37.62	$13.19
1365	30-Nov-11	19	6	$20.78	No	$37.62	$16.84
1366	30-Nov-11	19	7	$20.69	No	$37.62	$16.93
1367	30-Nov-11	19	8	$17.64	No	$37.62	$19.98
1368	30-Nov-11	19	9	$18.56	No	$37.62	$19.06
1369	30-Nov-11	19	10	$20.56	No	$37.62	$17.06
1370	30-Nov-11	19	11	$18.39	No	$37.62	$19.23
1371	30-Nov-11	19	12	$18.39	No	$37.62	$19.23
1372	30-Nov-11	20	1	$18.43	No	$37.62	$19.19
1373	30-Nov-11	20	2	$18.12	No	$37.62	$19.50
1374	30-Nov-11	20	3	$18.28	No	$37.62	$19.34
1375	30-Nov-11	20	4	$18.31	No	$37.62	$19.31
1376	30-Nov-11	20	5	$18.13	No	$37.62	$19.49
1377	30-Nov-11	20	6	$18.13	No	$37.62	$19.49
1378	30-Nov-11	20	7	$18.13	No	$37.62	$19.49
1379	30-Nov-11	20	8	$17.59	No	$37.62	$20.03
1380	30-Nov-11	20	9	$16.84	No	$37.62	$20.78
1381	30-Nov-11	20	10	$17.53	No	$37.62	$20.09
1382	30-Nov-11	20	11	$20.24	No	$37.62	$17.38
1383	30-Nov-11	20	12	$20.24	No	$37.62	$17.38
1384	30-Nov-11	21	1	$28.91	No	$37.62	$8.71
1385	30-Nov-11	21	2	$27.87	No	$37.62	$9.75
1386	30-Nov-11	21	3	$28.30	No	$37.62	$9.32
1387	30-Nov-11	21	4	$28.59	No	$37.62	$9.03
1388	30-Nov-11	21	5	$29.05	No	$37.62	$8.57
1389	30-Nov-11	21	6	$31.56	No	$37.62	$6.06
1390	30-Nov-11	21	7	$29.22	No	$37.62	$8.40
1391	30-Nov-11	21	8	$24.95	No	$37.62	$12.67

Number	Trade Date	Trade Hour	Interval	Market LMP	Eligible Flag	Calculated LMP	Change in LMP
1392	30-Nov-11	21	9	$24.95	No	$37.62	$12.67
1393	30-Nov-11	21	10	$24.37	No	$37.62	$13.25
1394	30-Nov-11	21	11	$24.74	No	$37.62	$12.88
1395	30-Nov-11	21	12	$24.37	No	$37.62	$13.25

Appendix C: Exceptional Dispatch Bid Mitigation Analysis

In November 2011, the ISO applied the exceptional dispatch bid mitigation to the exceptional dispatches due to a noncompetitive constraint. Table 10 shows the costs by instruction type in November. With exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches were $21,822. Without the exceptional dispatch bid mitigation, the costs for these types of exceptional dispatches would be $21,905. The cost saving from the exceptional dispatch bid mitigation was $84.

Table 10: Bid Mitigation Analysis for November

Type	Number of Resources	Costs without Bid Mitigation	Costs with Bid Mitigation	Cost Saving
Non-competitive constraint	2	$21,905	$21,822	$84
Total	2	$21,905	$21,822	$84

CERTIFICATE OF SERVICE

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

Dated at Folsom, California this 29th day of February, 2012.

/s/ Anna Pascuzzo
Anna Pascuzzo